PORTFOLIO INDEX



STATIC GENERAL VALVES

More than 900 product versions

MOTORIZED VALVES

Butterfly valves and 2-way valves

ACCESSORIES

For a wide range of applications

OUR EXPERIENCE **YOUR BENEFIT**

ISH 2025

GATE VALVES



Feature	Sturdy constructed for reliable flow isolation suitable for a wide range of industrial applications.
Corrosion resistance	Exhibits exceptional resistance to corrosion, ensuring reliable performance in corrosive environments.
Green responsibility	Designed for optimal flow efficiency with minimal energy loss, contributing to sustainable operations and cost savings.
Space optimizer	Compact and efficient design, optimizing space utilization. Ideal for limited space capabilities.
Adaptability	Versatile and adaptable for easy integration into diverse systems and configurations, providing flexibility across industries and applications.
Low maintenance	Engineered for longevity and reliability, requiring minimal maintenance, contributing to reduced downtime and operational costs.



- Excellent flow isolation
- Minimum pressure loss
- Cost-and energy efficient
- Slow and proportional operation
- No obstruction in the flow path
- Reliable

WRAS APPROVED PRODUCT

Available as

OS&Y

Non-Rising Stem

ISH 2025

FIVC Gate Valve

Bronze – PN 20 – Screwed Bonnet – Non Rising Stem – WRAS – ISO 228



FGA series

Technical data

Main features and materials

- Body: Bronze CC491K
- Bonnet: Bronze CC491K
- Wedge: Bronze CC491K
- Stem: DZR Brass CW602N
- Seat: Integral seat
- Standard: BS EN 12288
- USP: WRAS approval

Field of applications

- Temperature range: -10 to 100 °C
  7 bar at 170 °C
- Max. working pressure: 20 bar

- Potable water systems
- HVAC
- LTHW
- CHW
- Water distribution
- Oil distribution
- Steam applications

Description

FIVC Gate Valve is designed to be installed in pipelines only for isolating purposes.
Benefits of using gate valves include the feature of good closing along with the minimum pressure loss.

Furthermore, the functionality of the valve prevents the water hammer phenomenon and is used for all types of applications - suitable for both above ground and underground installation. The valve complies with BS EN 12288 and can be used for Water, Steam, and Oil respectively.

Alternative Product Versions

Other Standards

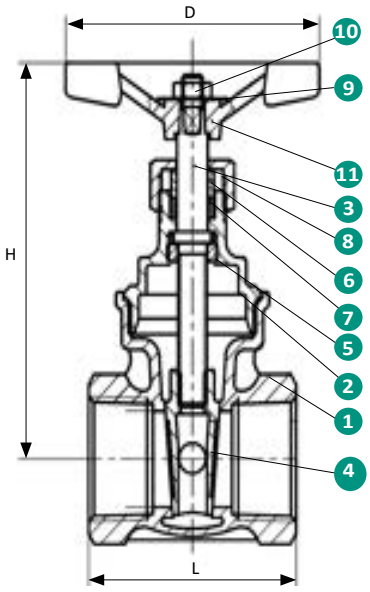
ANSI • ASME B1.20.1 • NPT

ISO 7/1 threads

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP.
Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).
This valve is WRAS approved.

Dimensions



Product code	Size	L	D	H	d	Kg
FGA015O20NS21	15	49.5	52	74	12.7	0.27
FGA020O20NS21	20	53.5	52	85	19.1	0.40
FGA025O20NS21	25	62	70	106	25.4	0.59
FGA032O20NS21	32	70	70	113	31.8	0.86
FGA040O20NS21	40	77	92	132	38.2	1.27
FGA050O20NS21	50	87	92	155	50.9	1.90

**Dimensions are in millimeters*

Product Specification

N°	Name	Material
1	Body	Bronze CC491K BS EN 1982
2	Bonnet	Bronze CC491K BS EN 1982
3	Stem	DZR Brass CW602N BS EN 12164
4	Disc	Bronze CC491K BS EN 1982
5	Stem bush	DZR Brass CW602N BS EN 12164
6	Ring	Brass CW614N BS EN 12164
7	Packing	PTFE
8	Packing nut	Brass CW614N BS EN 12164
9	ID plate	Aluminium
10	Handwheel nut	Brass CW614N BS EN 12164
11	Handwheel	Aluminium

FIVC Gate Valve

Bronze – PN 20 – Screwed Bonnet – Non Rising Stem – WRAS – ISO 228



FGA series

Technical data

Main features and materials

- Body: Bronze CC491K
- Bonnet: Bronze CC491K
- Disc: Bronze CC491K
- Stem: DZR Brass CW602N
- Seat: Integral seat
- Standard: BS EN 5154
- USP: WRAS approval

Field of applications

- Temperature range: -10 to 100 °C
  7 bar at 170 °C
- Max. working pressure: 20 bar

- Potable water systems
- HVAC
- LTHW
- CHW
- Water distribution
- Oil distribution
- Steam applications

Description

FIVC Gate Valve is designed to be installed in pipelines only for isolating purposes.
Benefits of using gate valves include the feature of good closing along with the minimum pressure loss. Furthermore, the functionality of the valve prevents the water hammer phenomenon and is used for all types of applications - suitable for both above ground and underground installation.

The valve complies with BS EN 5154 and can be used for Water, Steam, and Oil respectively.

Alternative Product Versions

Other Standards

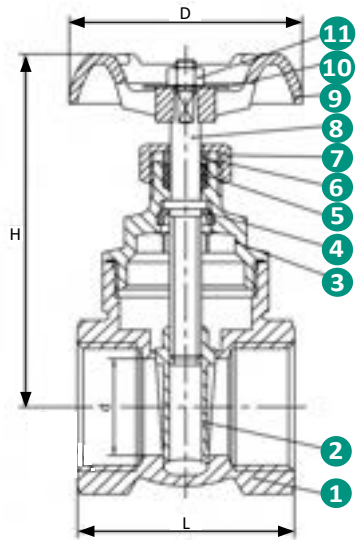
ANSI • ASME B1.20.1 • NPT

ISO 7/1 Rc/Rp threads

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP.
Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).
This valve is WRAS-approved.

Dimensions



Product code	Size	L	D	H	d	Kg
FGA015O20NS22	15	43	52	78	13	0.255
FGA020O20NS22	20	49	60	88	19	0.355
FGA025O20NS22	25	54	65	103	25	0.524
FGA032O20NS22	32	62	70	116	32	0.77
FGA040O20NS22	40	65	78	133	38	1.07
FGA050O20NS22	50	75	92	156	50	1.62

**Dimensions are in millimeters*

Product Specification

N°	Name	Material
1	Body	Bronze CC491K BS EN 1982
2	Disc	Bronze CC491K BS EN 1982
3	Bonnet	Bronze CC491K BS EN 1982
4	Stem bush	DZR Brass CW602N BS EN 12164
5	Packing	PTFE
6	Ring	Brass CW614N BS EN 12164
7	Packing nut	Brass CW614N BS EN 12164
8	Stem	DZR Brass CW602N BS EN 12164
9	Handwheel	Aluminium - black coated RAL 9005
10	ID plate	Aluminium
11	Handwheel nut	Brass CW614N BS EN 12164

FIVC Gate Valve

DZR Brass – PN 16 – Screwed Bonnet – Non Rising Stem – WRAS – ISO 228-1



FGA series

Technical data

Main features and materials

- Body: DZR CW602N
- Bonnet: DZR CW602N
- Wedge: DZR CW602N
- Stem: DZR CW602N
- Seat: Integral seat
- Handwheel: HT 200
- Standard: BS EN 12288
- USP: WRAS approval

Field of applications

- Temperature range: -10 to 85 °C
- Non-WRAS: -10 to 100 °C
- Max. working pressure: 16 bar

- Water supply treatment systems
- HVAC
- Other various industries

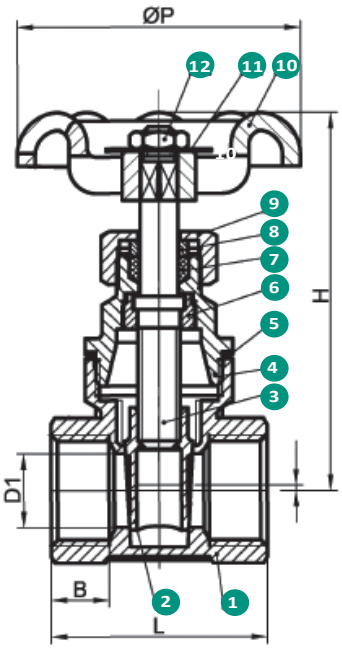
Description

FIVC Gate Valve is designed to be installed in pipelines only for isolating purposes.
Benefits of using gate valves include the feature of good closing along with the minimum pressure loss. Furthermore, the functionality of the valve prevents the water hammer phenomenon and is used for all types of applications - suitable for both above ground and underground installation.
The valve can be used for water.

Declaration

The product has been manufactured and tested in accordance with the Sound Engineering Practice SEP.
Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).
This valve is WRAS-approved.

Dimensions



Product code	Size	L	H	D1 (Ø)	ØP	B	Kg
FGA015D16NS42	15	41	72	14	54	12	0.245
FGA020D16NS42	20	43	74	15	54	12	0.290
FGA025D16NS42	25	48	86	19.7	59.3	14.5	0.410
FGA032D16NS42	32	59	105	27.5	80	15	0.710
FGA040D16NS42	40	60	120	35	80	16	0.860
FGA050D16NS42	50	67	138	45	80	18.5	1.300

Dimensions are in millimeters

Product Specification

N°	Name	Material
1	Body	DZR CW602N
2	Wedge	DZR CW602N
3	Stem	DZR CW602N
4	Bonnet	DZR CW602N
5	Bonnet washer	PTFE
6	Stem nut	DZR CW602N
7	Stem packing	PTFE
8	Packing gland	DZR CW602N
9	Compression nut	C37700
10	Hand wheel (black)	HT 200, Color: RAL9005
11	Nameplate (green)	ZL 102, Color: RAL 6016. Markings on nameplate: Silver color
12	Nut	SS 304

FIVC Gate Valve

Bronze – PN 20 – Screwed Bonnet – Non Rising Stem – WRAS – ISO 228



FGA series

Technical data

Main features and materials

- Body: Bronze
- Bonnet: Bronze
- Disc: Bronze
- Stem: DZR Brass
- Seat: Integral seat
- Standard: BS 5154
- USP: WRAS approval

Field of applications

- Temperature range: -10 to 85 °C
- Non-WRAS: -10 to 100 °C
- Max. working pressure: 20 bar
  7 bar at 170 °C

- Potable water systems
- HVAC
- LTHW
- Water distribution
- Oil distribution
- Steam applications

Description

FIVC Gate Valve is designed to be installed in pipelines only for isolating purposes.
Benefits of using gate valves include the feature of good closing along with the minimum pressure loss. Furthermore, the functionality of the valve prevents the water hammer phenomenon and is used for all types of applications - suitable for both above ground and underground installation.

The valve complies with BS 5154 and can be used for Water and Non-corrosive liquid.

Alternative Product Versions

Other Standards

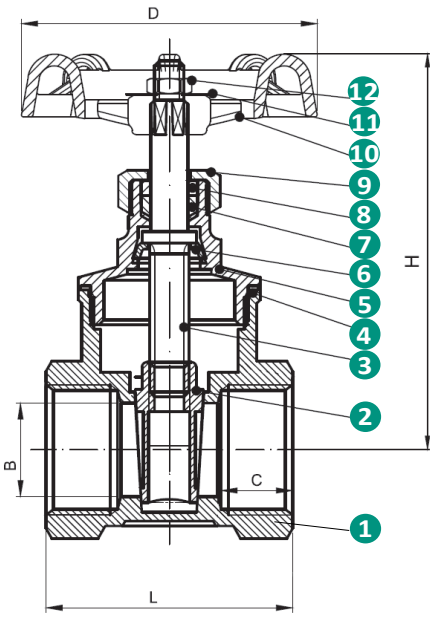
ISO 7/1 Rc/Rp threads

MSS-SP-80

Declaration

The product has been manufactured and tested in accordance with the Sound Engineering Practice SEP.
Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).
This valve is WRAS-approved.

Dimensions



Product code	Size	L	D	H	B	C	Kg
FGA015O20NS75	15	45.0	53	71.5	15	12.0	0.3
FGA020O20NS75	20	48.5	60	81.0	20	12.5	0.4
FGA025O20NS75	25	55.0	72	94.7	25	14.0	0.5
FGA032O20NS75	32	61.0	72	108.0	32	15.0	0.8
FGA040O20NS75	40	63.0	80	122.5	38	15.0	1.0
FGA050O20NS75	50	73.0	100	147.0	50	17.5	1.7

**Dimensions are in millimeters*

Product Specification

N°	Name	Material
1	Body	Bronze CC491K
2	Disc	Bronze CC491K
3	Stem	DZR CZ132A
4	Washer	PTFE
5	Bonnet	Bronze CC491K
6	Lock nut	Brass C38000
7	Packing	PTFE
8	Gland	Brass C38000
9	Packing nut	Brass CW617N
10	Hand wheel	HT 200
11	Nameplate	L2
12	Hex nut	Stainless Steel 304

FIVC Gate Valve

Bronze – PN 16 – Screwed Bonnet – Non Rising Stem – WRAS – ISO 228



FGA series

Technical data

Main features and materials

- Body: Bronze
- Bonnet: Bronze
- Disc: Bronze
- Stem: DZR Brass
- Seat: Integral seat
- Standard: BS 5154
- USP: WRAS approval

Field of applications

- Temperature range: -10 to 85 °C
- Non-WRAS: -10 to 100 °C
- Max. working pressure: 16 bar

- Potable water systems
- HVAC
- LTHW
- Water distribution
- Oil distribution
- Steam applications

Description

FIVC Gate Valve is designed to be installed in pipelines only for isolating purposes.
Benefits of using gate valves include the feature of good closing along with the minimum pressure loss. Furthermore, the functionality of the valve prevents the water hammer phenomenon and is used for all types of applications - suitable for both above ground and underground installation.

The valve complies with BS 5154 and can be used for Water and Non-corrosive liquid.

Alternative Product Versions

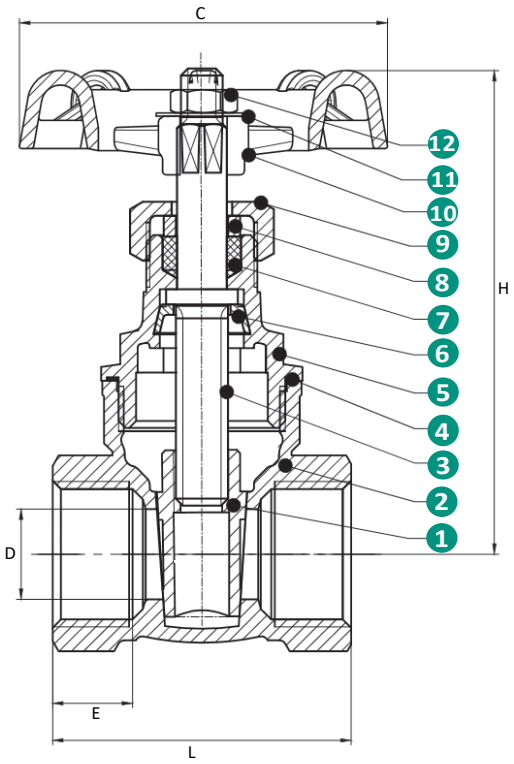
Other Standards

ISO 7/1 Rc/Rp threads

Declaration

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Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).
This valve is WRAS-approved.

Dimensions



Product code	Size	L	D	H	C	E	Kg
FGA015O16NS75	15	43	13	69.7	53	11.5	0.2
FGA020O16NS75	20	46	17	75.0	53	11.5	0.3
FGA025O16NS75	25	52	21	84.5	60	13.0	0.5
FGA032O16NS75	32	55	27	100.2	72	13.0	0.7
FGA040O16NS75	40	59	34	111.0	72	14.0	0.9
FGA050O16NS75	50	69	45	126.0	78	16.5	1.4

**Dimensions are in millimeters*

Product Specification

N°	Name	Material
1	Body	Bronze CC491K
2	Disc	Bronze CC491K
3	Stem	DZR CZ132A
4	Washer	PTFE
5	Bonnet	Bronze CC491K
6	Gland	Brass C38000
7	Packing	PTFE
8	Packing Nut	Brass CW617N
9	Lock Nut	Brass C38000
10	Hand Wheel	Grey Cast Iron HT 200 Red paint
11	Nameplate	L2
12	Hex Nut	Stainless Steel SS 304

FIVC Gate Valve

Brass – PN 16 – Screwed Bonnet – WRAS – Non Rising Stem – ISO 228



FGA series

Technical data

Main features and materials

- Body: Brass CW617N
- Bonnet: Brass CW617N
- Wedge: Brass CW617N
- Stem: Brass CW617N
- Seat: Integral seat
- Handwheel: HT 200
- Standard: BS EN 12288

Field of applications

- Temperature range: WRAS-application: 0 to 85 °C
  Non-WRAS application: 0 to 120 °C
- Max. working pressure: 16 bar

- Water supply treatment systems
- HVAC
- Chemical, food & beverage industry
- Other various industries

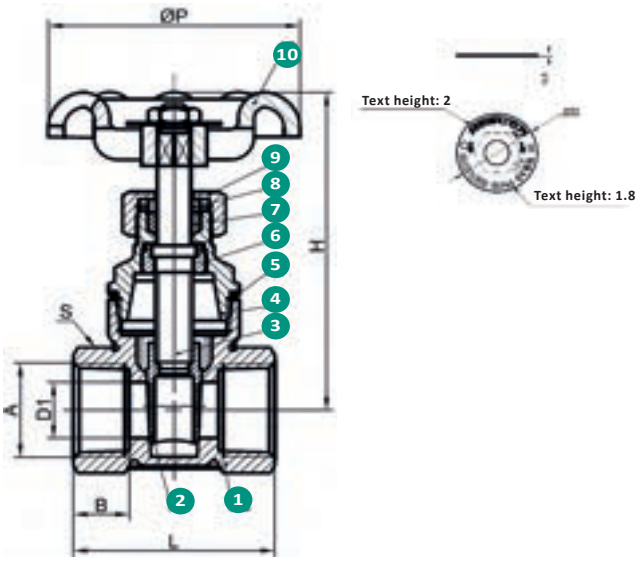
Description

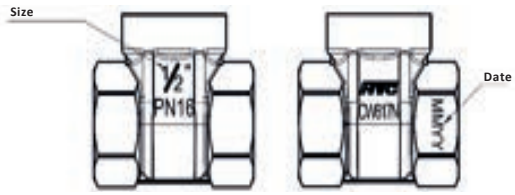
FIVC Gate Valve is designed to be installed in pipelines only for isolating purposes.
Benefits of using gate valves include the feature of good closing along with the minimum pressure loss. Furthermore, the functionality of the valve prevents the water hammer phenomenon and is used for all types of applications - suitable for both above ground and underground installation.
The valve can be used for water.

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP.
Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions





Product code	Size	L	H	D1 (Ø)	ØP	A	B	S
FGA015B16NS01	15	41	72	14	54	G1/2	12	25
FGA020B16NS01	20	43	74	15	54	G3/4	12	31
FGA025B16NS01	25	48	86	19.7	59.3	G1	15.4	38.5
FGA032B16NS01	32	59	105	27.5	73	G1 1/4	15	48.5
FGA040B16NS01	40	60	120	35	73	G1 1/2	16	53
FGA050B16NS01	50	67	138	45	79	G2	18.5	66

Dimensions are in millimeters

Product Specification

N°	Name	Material
1	Body	Brass CW617N
2	Wedge	Brass CW617N
3	Stem	Brass CW617N
4	Bonnet	Brass CW617N
5	Bonnet washer	PTFE
6	Stem nut	Brass CW617N
7	Stem packing	PTFE
8	Packing gland	Brass CW617N
9	Compression nut	Brass C37700
10	Handwheel	HT 200

FIVC Gate Valve

Bronze – PN 20 – Screwed Bonnet – Rising Stem – ISO 228



FGA series

Technical data

Main features and materials

• Body:	Bronze CC491K
• Bonnet:	Bronze CC491K
• Wedge:	Bronze CC491K
• Stem:	DZR Brass CW602N
• Seat:	Integral seat
• Dimensions:	BS 5154

Field of applications

• Temperature range:	-10 to 100 °C 7 bar at 170 °C
• Max. working pressure:	20 bar

- HVAC
- LTHW
- CHW
- Water distribution
- Oil distribution
- Steam applications

Description

FIVC Gate Valve is designed to be installed in pipelines only for isolating purposes.
Benefits of using gate valves include the feature of good closing along with the minimum pressure loss.

Furthermore, the functionality of the valve prevents the water hammer phenomenon and is used for all types of applications - suitable for both above ground and underground installation. The valve complies with BS 5154 and can be used for Water, Steam, and Oil respectively.

Alternative Product Versions

Other Standards

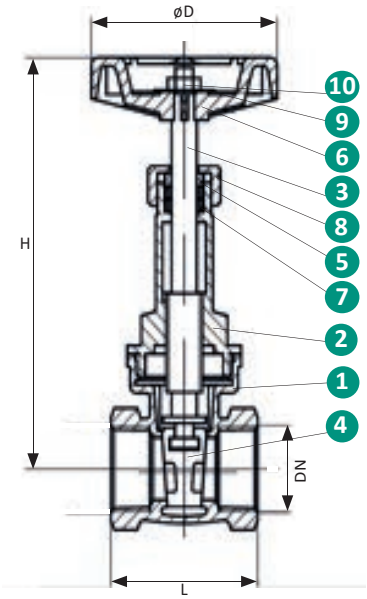
ANSI • ASME B1.20.1 • NPT

ISO 7/1 threads

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP.
Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



Product code	Size	L	H	D	Kg
FGA015O20RS21	15	43	112	55	0.37
FGA020O20RS21	20	49	125	63	0.56
FGA025O20RS21	25	54	143	70	0.84
FGA032O20RS21	32	62	170	70	1.07
FGA040O20RS21	40	65	198	80	1.43
FGA050O20RS21	50	75	233	90	1.97

Dimensions are in millimeters

Product Specification

N°	Name	Material
1	Body	Bronze CC491K BS EN 1982
2	Bonnet	Bronze CC491K BS EN 1982
3	Stem	DZR Brass CW602N BS EN 12164
4	Disc	Bronze CC491K BS EN 1982
5	Stem bush	DZR Brass CW602N BS EN 12164
6	Packing	PTFE
7	Packing nut	Brass CW614N BS EN 12164
8	ID Plate	Aluminium
9	Handwheel nut	Brass CW614N BS EN 12164
10	Handwheel	Aluminium

FIVC Gate Valve

Ductile Iron – PN 16 – Non Rising Stem – WRAS – EN 1092



FGA series

Technical data

Main features and materials

- Body: Ductile Iron
- Bonnet: Ductile Iron
- Wedge: Ductile Iron + WRAS EPDM
- Stem: Stainless Steel
- Handwheel: Ductile Iron
- Testing: BS EN 12266-1
  Shell pressure: 2.4 MPa
  Sealing pressure: 1.76 MPa
- Dimensions: Face-to-Face acc. to BS 5163
- Drilling: BS EN 1092-2 PN 16
- USP: Drinking water approval
  Excellent tightness
  Minimum pressure loss
  Long lifetime

Field of applications

- Temperature range: -10 to 85 °C
- Non-WRAS -10 to 100 °C
- Max. working pressure: 16 bar

- Drinking water
- Other various industries

Description

FIVC Gate Valve is designed to be installed in pipelines only for flow isolating purposes.
The gate valve is approved for drinking water and offers excellent closing characteristics as well as minimal pressure loss.
Furthermore, the functionality of the valve prevents the water hammer phenomenon due to its slow opening and closing, requires less space, and is an economical valve.

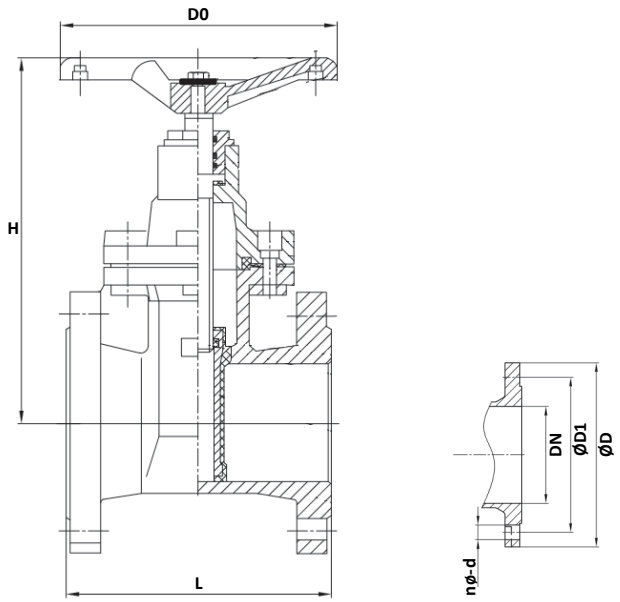
The valve can be used for Drinking Water.

Declaration

The product is WRAS approved and has been manufactured and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Dimensions

DN 40-600



Product code	Size	L	H	D1	D	D0	n-ød	Kg
FGA040N16NB231	40	178	230	110	150	160	4-ø19	7.0
FGA050N16NB231	50	178	230	125	165	160	4-ø19	9.0
FGA065N16NB231	65	190	235	145	185	160	4-ø19	11.0
FGA080N16NB231	80	203	275	160	200	180	8-ø19	13.0
FGA100N16NB231	100	229	315	180	220	200	8-ø19	18.0
FGA125N16NB231	125	254	370	210	250	250	8-ø19	29.0
FGA150N16NB231	150	267	410	240	285	250	8-ø23	34.5
FGA200N16NB231	200	292	510	295	340	300	12-ø23	58.0
FGA250N16NB231	250	330	590	355	405	350	12-ø28	86.0
FGA300N16NB231	300	356	665	410	460	400	12-ø28	116
FGA350N16NB231	350	381	785	470	520	500	16-ø28	156
FGA400N16NB231	400	406	895	525	580	500	16-ø31	213
FGA450N16NB231	450	432	970	585	640	500	20-ø31	250
FGA500N16NB231	500	457	1090	650	715	600	20-ø34	340
FGA600N16NB231	600	508	1240	770	840	600	20-ø37	510

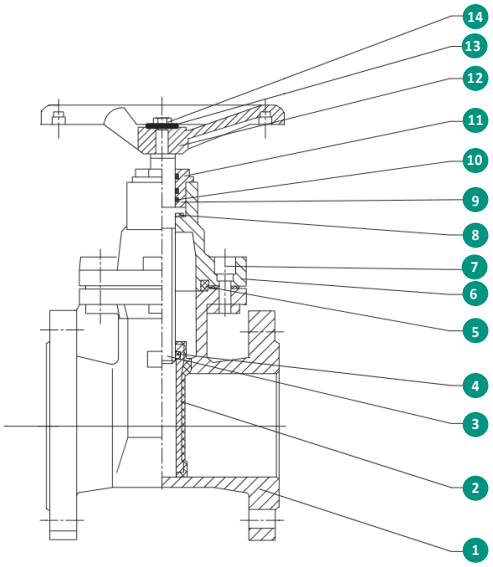
Dimensions are in millimeters

FIVC Gate Valve

Ductile Iron – PN 16 – Non Rising Stem – WRAS – EN 1092

Product Specification

DN 40-600



N°	Component	Material
1	Body	Ductile Iron GGG 40
2	Wedge	Ductile Iron GGG 40 + WRAS EPDM
3	Stem	Stainless Steel 2Cr13
4	Stem nut	Brass HMn58-2
5	Sealing ring	WRAS EPDM
6	Bonnet	Ductile Iron GGG 40
7	Screw	Gr.8.8
8	Gasket	Brass C83600
9	Gland	Brass HMn58-2
10	O-Ring	WRAS EPDM
11	Dust ring	WRAS EPDM
12	Handwheel	Ductile Iron GGG 40
13	Washer	Stainless Steel SS304
14	Bolt	Stainless Steel SS304

FIVC Gate Valve

Ductile Iron – PN 25 – Non Rising Stem – WRAS – EN 1092-2



FGA series

Technical data

Main features and materials

• Body:	Ductile Iron
• Bonnet:	Ductile Iron
• Wedge:	Ductile Iron+EPDM
• Stem:	Stainless Steel
• Handwheel:	Ductile Iron
• Coating:	Epoxy
• Drilling:	EN 1092-2 PN 25
• Design:	Face-to-Face acc. to BS 5163
• Testing:	BS EN 12266-1
	Shell pressure: 3.75 MPa
	Sealing pressure: 2.75 MPa
• USP:	Drinking water approved
	Excellent tightness
	Minimum pressure loss
	Long lifetime

Field of applications

• Temperature range:	-10 to 85 °C
• Non-WRAS:	-10 to 100 °C
• Max. working pressure:	25 bar

- Drinking water
- Other various industries

Description

FIVC Gate Valve is designed to be installed in pipelines only for isolating purposes.

Benefits of using the gate valves include the feature of good closing along with the minimum pressure loss, since the gate valve, when fully open, has no obstruction in the flow path. Further, the opening and closing operation is slow and proportional and requires multiple turnings of the handwheel, preventing the water hammer phenomenon.

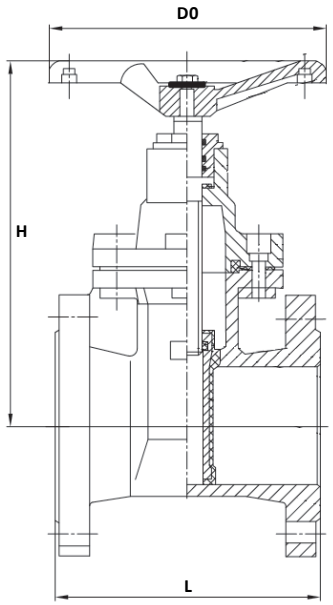
The gate valve provides a shut-off function and should operate in fully open or fully closed positions and should not be used as a control-, or regulating valve.
This valve is suitable for Drinking Water.

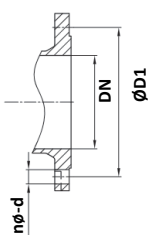
Declaration

The product has been manufactured and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Dimensions

DN 40-400





Product code	Size	L	H	D1	D0	n-ød	Kg
FGA040N25NB231	40	178	210	110	160	4-ø19	7
FGA050N25NB231	50	178	236	125	160	4-ø19	9
FGA065N25NB231	65	190	249	145	160	8-ø19	11
FGA080N25NB231	80	203	275	160	180	8-ø19	13
FGA100N25NB231	100	229	322	190	200	8-ø23	18
FGA125N25NB231	125	254	377	220	250	8-ø28	35
FGA150N25NB231	150	267	424	250	250	8-ø28	40
FGA200N25NB231	200	292	500	310	300	12-ø28	67
FGA250N25NB231	250	330	591	370	350	12-ø31	102
FGA300N25NB231	300	356	695	430	400	16-ø31	140
FGA350N25NB231	350	381	785	490	500	16-ø34	190
FGA400N25NB231	400	406	895	550	500	16-ø37	277

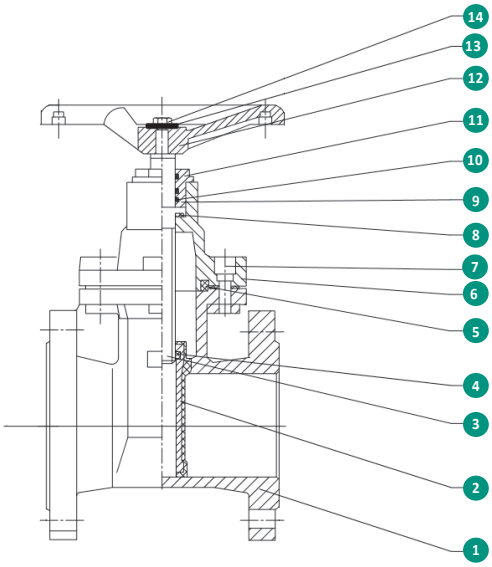
Dimensions are in millimeters. Size 350 and 400 are without CE-marking

FIVC Gate Valve

Ductile Iron – PN 25 – Non Rising Stem – WRAS – EN 1092-2

DN 40-400

Product Specification



N°	Component	Material
1	Body	Ductile Iron GGG40
2	Wedge	Ductile Iron GGG40 + WRAS EPDM
3	Stem	Stainless Steel 2Cr13
4	Stem nut	Brass HMn58-2
5	Sealing ring	WRAS EPDM
6	Bonnet	Ductile Iron GGG40
7	Screw	Gr.8.8
8	Gasket	Brass C83600
9	Gland	Brass HMn58-2
10	O-Ring	WRAS EPDM
11	Dust ring	WRAS EPDM
12	Hand Wheel	Ductile Iron GGG40
13	Washer	Stainless Steel SS304
14	Bolt	Stainless Steel SS304

FIVC Gate Valve

Ductile Iron – PN 16 – Non Rising Stem – EN 1092-2



FGA series

Technical data

Main features and materials

- Body: Ductile Iron
- Bonnet: Ductile Iron
- Wedge: Ductile Iron + EPDM
- Stem: Stainless Steel
- Handwheel: Ductile Iron
- Testing: BS EN 12266-1
  Shell pressure: 2.40 MPa
  Sealing pressure: 1.76 MPa
- Dimensions: Face-to-Face acc. to BS 5163
- Drilling: BS EN 1092-2 PN 16
- USP: Excellent tightness
  Minimum pressure loss
  Long lifetime

Field of applications

- Temperature range: -10 to 100 °C
- Max. working pressure: 16 bar

- Water plants
- Irrigation systems
- HVAC
- Other various industries

Description

FIVC Gate Valve is designed to be installed in pipelines only for isolating purposes.

Benefits of using the gate valves include the feature of good closing along with the minimum pressure loss, since the gate valve, when fully open, has no obstruction in the flow path. Further, the opening and closing operation is slow and proportional and requires multiple turnings of the handwheel, preventing the water hammer phenomenon.

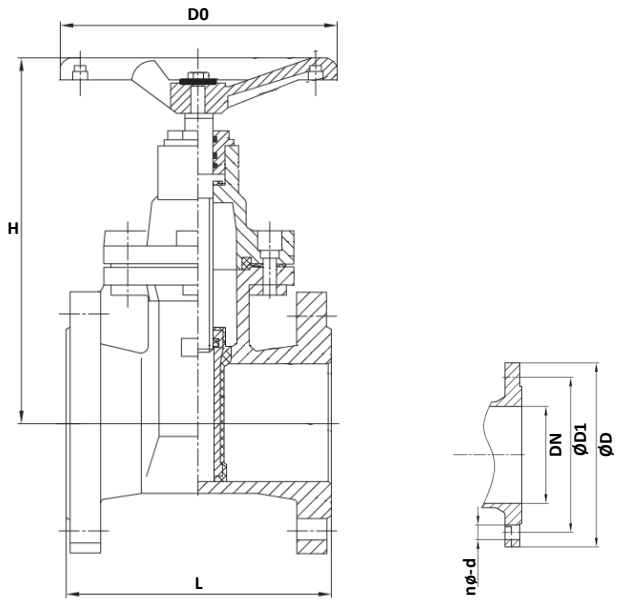
The gate valve provides a shut-off function and should operate in fully open or fully closed positions and should not be used as a control-, or regulating valve.

Declaration

The product has been manufactured and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Dimensions

DN 40-600



Product code	Size	L	H	D1	D	D0	n-ød	Kg
FGA040N16NB230	40	178	230	110	150	160	4-ø19	7.0
FGA050N16NB230	50	178	230	125	165	160	4-ø19	9.0
FGA065N16NB230	65	190	235	145	185	160	4-ø19	11.0
FGA080N16NB230	80	203	275	160	200	180	8-ø19	13.0
FGA100N16NB230	100	229	315	180	220	200	8-ø19	18.0
FGA125N16NB230	125	254	370	210	250	250	8-ø19	29.0
FGA150N16NB230	150	267	410	240	285	250	8-ø23	34.5
FGA200N16NB230	200	292	510	295	340	300	12-ø23	58.0
FGA250N16NB230	250	330	590	355	405	350	12-ø28	86.0
FGA300N16NB230	300	356	665	410	460	400	12-ø28	116
FGA350N16NB230	350	381	785	470	520	500	16-ø28	156
FGA400N16NB230	400	406	895	525	580	500	16-ø31	213
FGA450N16NB230	450	432	970	585	640	500	20-ø31	250
FGA500N16NB230	500	457	1090	650	715	600	20-ø34	340
FGA600N16NB230	600	508	1240	770	840	600	20-ø37	510

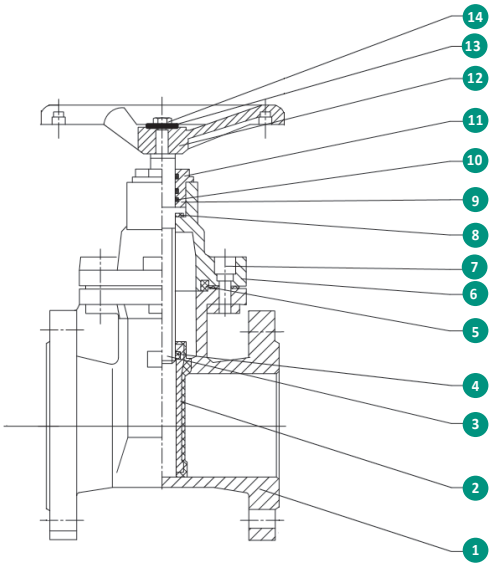
Dimensions are in millimeters

FIVC Gate Valve

Ductile Iron – PN 16 – Non Rising Stem – EN 1092-2

Product Specification

DN 40-600



N°	Component	Material
1	Body	Ductile Iron GGG40
2	Wedge	Ductile Iron GGG40 + EPDM
3	Stem	Stainless Steel 2Cr13
4	Stem nut	Brass HMn58-2
5	Sealing ring	EPDM
6	Bonnet	Ductile Iron GGG40
7	Screw	Gr.8.8
8	Gasket	Brass C83600
9	Gland	Brass HMn58-2
10	O-Ring	EPDM
11	Dust ring	EPDM
12	Handwheel	Ductile Iron GGG40
13	Washer	Stainless Steel SS304
14	Bolt	Stainless Steel SS304

FIVC Gate Valve

Ductile Iron – PN 25 – Non Rising Stem – EN 1092-2



FGA series

Technical data

Main features and materials

- Body: Ductile Iron
- Bonnet: Ductile Iron
- Wedge: Ductile Iron+EPDM
- Stem: Stainless Steel
- Handwheel: Ductile Iron
- Coating: Epoxy
- Drilling: EN 1092-2 PN 25
- Design: Face-to-Face acc. to BS 5163
- Testing: BS EN 12266-1
  Shell pressure: 3.75 MPa
  Sealing pressure: 2.75 MPa
- USP: Excellent tightness
  Minimum pressure loss
  Long lifetime

Field of applications

- Temperature range: -10 to 100 °C
- Max. working pressure: 25 bar

- Water plants
- Irrigation systems
- HVAC
- Other various industries

Description

FIVC Gate Valve is designed to be installed in pipelines only for isolating purposes.

Benefits of using the gate valves include the feature of good closing along with the minimum pressure loss, since the gate valve, when fully open, has no obstruction in the flow path. Further, the opening and closing operation is slow and proportional and requires multiple turnings of the handwheel, preventing the water hammer phenomenon.

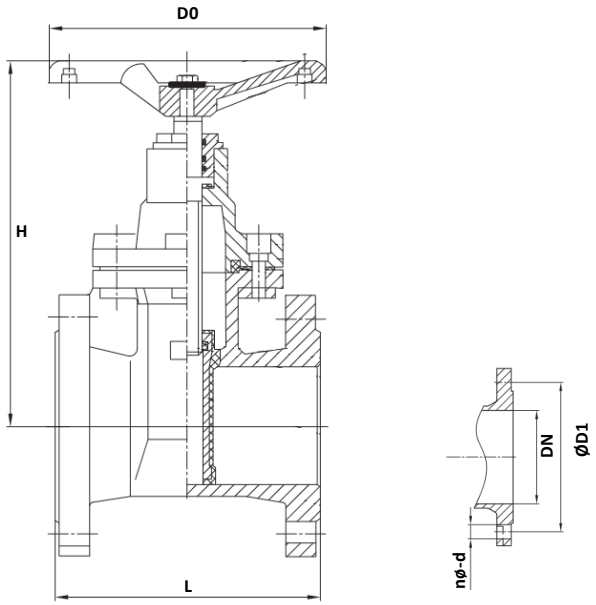
The gate valve provides a shut-off function and should operate in fully open or fully closed positions and should not be used as a control-, or regulating valve.

Declaration

The product has been manufactured and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Dimensions

DN 40-400



Product code	Size	L	H	D1	D0	n-ød	Kg
FGA040N25NB230	40	178	210	110	160	4-ø19	7
FGA050N25NB230	50	178	236	125	160	4-ø19	9
FGA065N25NB230	65	190	249	145	160	8-ø19	11
FGA080N25NB230	80	203	275	160	180	8-ø19	13
FGA100N25NB230	100	229	322	190	200	8-ø23	18
FGA125N25NB230	125	254	377	220	250	8-ø28	35
FGA150N25NB230	150	267	424	250	250	8-ø28	40
FGA200N25NB230	200	292	500	310	300	12-ø28	67
FGA250N25NB230	250	330	591	370	350	12-ø31	102
FGA300N25NB230	300	356	695	430	400	16-ø31	140
FGA350N25NB230	350	381	785	490	500	16-ø34	190
FGA400N25NB230	400	406	895	550	500	16-ø37	277

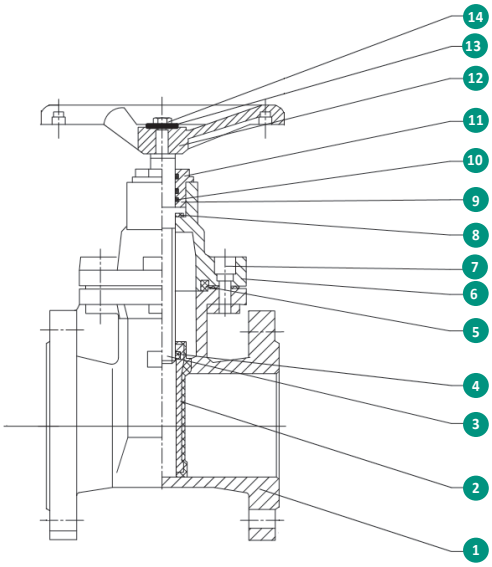
Dimensions are in millimeters. Size 350 and 400 are without CE-marking

FIVC Gate Valve

Ductile Iron – PN 25 – Non Rising Stem – EN 1092-2

DN 40-400

Product Specification



N°	Component	Material
1	Body	Ductile Iron GGG40
2	Wedge	Ductile Iron GGG40 + EPDM
3	Stem	Stainless Steel 2Cr13
4	Stem nut	Brass HMn58-2
5	Sealing ring	EPDM
6	Bonnet	Ductile Iron GGG40
7	Screw	Gr.8.8
8	Gasket	Brass C83600
9	Gland	Brass HMn58-2
10	O-Ring	EPDM
11	Dust ring	EPDM
12	Hand Wheel	Ductile Iron GGG40
13	Washer	Stainless Steel SS304
14	Bolt	Stainless Steel SS304

FIVC Gate Valve

Ductile Iron – PN 16 – Rising Stem – WRAS – EN 1092-2



FGA series

Technical data

Main features and materials

- Body: Ductile Iron
- Bonnet: Ductile Iron
- Wedge: Ductile Iron+EPDM
- Stem: Stainless Steel
- Handwheel: Ductile Iron
- Coating: Epoxy
- Standard: BS 5163
- Dimensions: EN 558-1
- Testing: BS EN 12266-1
  - Shell pressure: 2.40 MPa
  - Seat pressure: 1.76 MPa
- USP: Drinking water approval

Field of applications

- Temperature range: -10 to 85 °C
- Non-WRAS: -10 to 100 °C
- Max. working pressure: 16 bar

- Drinking water
- Other various industries

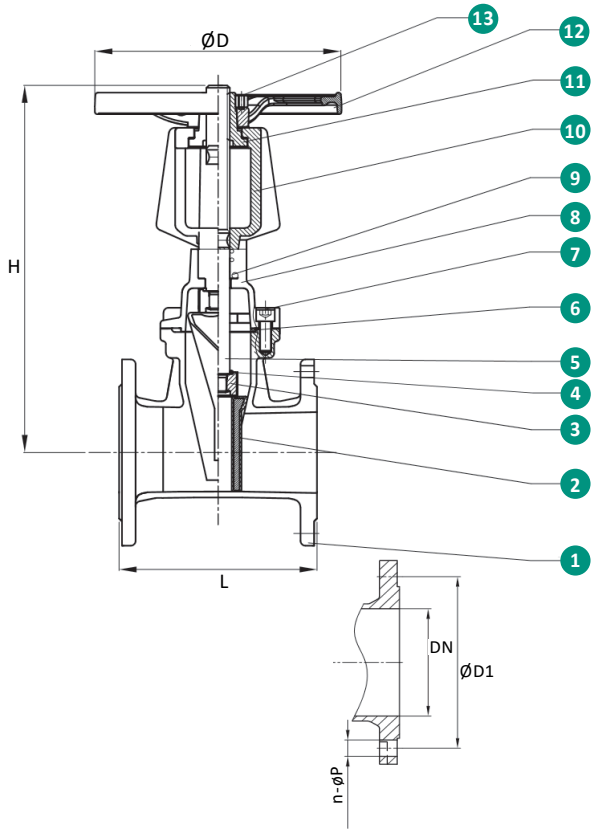
Description

FIVC Gate Valve is designed to be installed in pipelines only for flow isolating purposes.
Benefits of using gate valves include the feature of good closing along with the minimum pressure loss. Furthermore, the functionality of the valve prevents the water hammer phenomenon and is used for all types of applications - suitable for both above ground and underground installation. The valve can be used for water.

Declaration

The product has been manufactured and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Dimensions



Product code	Size	L	D	H	Kg	D1	N-Ød
FGA050N16RB231	50	178	160	350	10.0	125	4-Ø19
FGA065N16RB231	65	190	160	380	11.5	145	4-Ø19
FGA080N16RB231	80	203	180	455	14.0	160	8-Ø19
FGA100N16RB231	100	229	200	548	20.0	180	8-Ø19
FGA125N16RB231	125	254	250	618	31.0	210	8-Ø19
FGA150N16RB231	150	267	250	747	36.5	240	8-Ø23
FGA200N16RB231	200	292	300	942	62.0	295	12-Ø23
FGA250N16RB231	250	330	350	1144	90.0	355	12-Ø28
FGA300N16RB231	300	356	400	1328	120	410	12-Ø28
FGA350N16RB231	350	381	500	1410	167	470	16-Ø28
FGA400N16RB231	400	406	500	1685	233	525	16-Ø31

Dimensions are in millimeters

N°	Name	Material
1	Body	Ductile Iron GGG40
2	Wedge	Ductile Iron GGG40 + EPDM
3	Stem Nut	Brass HMn58-2
4	O-Ring	EPDM
5	Stem	Stainless Steel SS420
6	Sealing ring	EPDM
7	Hexagon Bolt	Carbon Steel
8	Bonnet	Ductile Iron GGG40
9	Gasket	EPDM
10	Attachment Bracket	Ductile Iron GGG40
11	Handwheel Lock Nut	Brass HMn58-2
12	Handwheel	Ductile Iron
13	Hexagon Bolt	Carbon Steel GGG40

FIVC Gate Valve

Ductile Iron – PN 16 – Rising Stem – EN 1092-2



FGA series

Technical data

Main features and materials

• Body:	Ductile Iron	
• Bonnet:	Ductile Iron	
• Wedge:	Ductile Iron+EPDM	
• Stem:	Stainless Steel	
• Handwheel:	Ductile Iron	
• Coating:	Epoxy	
• Standard:	BS 5163	
• Dimensions:	EN 558-1	
• Testing:	BS EN 12266-1	
	Shell pressure:	2.40 MPa
	Seat pressure:	1.76 MPa

Field of applications

• Temperature range:	-10 to 100 °C
• Max. working pressure:	16 bar

- Water plants
- Irrigation systems
- HVAC
- Other various industries

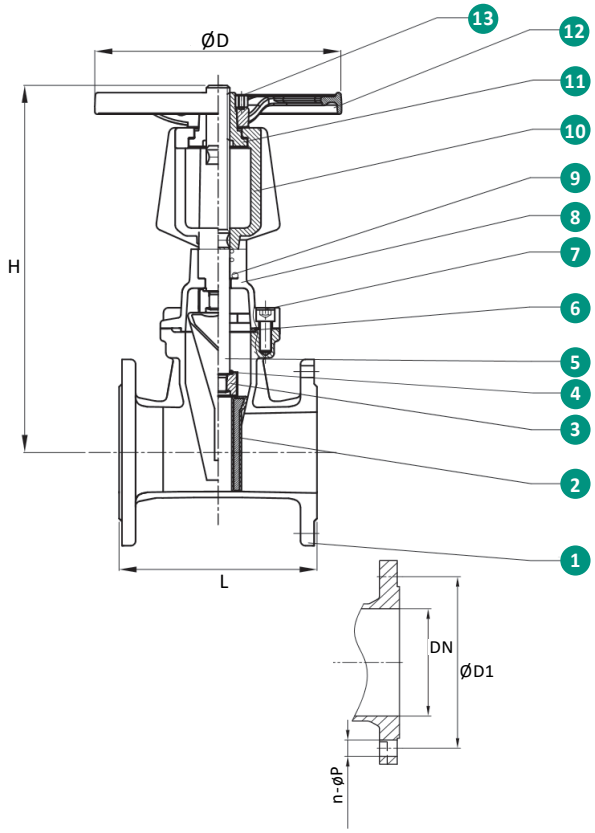
Description

FIVC Gate Valve is designed to be installed in pipelines only for flow isolating purposes.
Benefits of using gate valves include the feature of good closing along with the minimum pressure loss. Furthermore, the functionality of the valve prevents the water hammer phenomenon and is used for all types of applications - suitable for both above ground and underground installation. The valve can be used for water.

Declaration

The product has been manufactured and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Dimensions



Product code	Size	L	D	H	Kg	D1	N-Ød
FGA050N16RB230	50	178	160	350	10.0	125	4-Ø19
FGA065N16RB230	65	190	160	380	11.5	145	4-Ø19
FGA080N16RB230	80	203	180	455	14.0	160	8-Ø19
FGA100N16RB230	100	229	200	548	20.0	180	8-Ø19
FGA125N16RB230	125	254	250	618	31.0	210	8-Ø19
FGA150N16RB230	150	267	250	747	36.5	240	8-Ø23
FGA200N16RB230	200	292	300	942	62.0	295	12-Ø23
FGA250N16RB230	250	330	350	1144	90.0	355	12-Ø28
FGA300N16RB230	300	356	400	1328	120	410	12-Ø28
FGA350N16RB230	350	381	500	1410	167	470	16-Ø28
FGA400N16RB230	400	406	500	1685	233	525	16-Ø31

Dimensions are in millimeters

N°	Name	Material
1	Body	Ductile Iron GGG40
2	Wedge	Ductile Iron GGG40 + EPDM
3	Stem Nut	Brass HMn58-2
4	O-Ring	EPDM
5	Stem	Stainless Steel SS420
6	Sealing ring	EPDM
7	Hexagon Bolt	Carbon Steel
8	Bonnet	Ductile Iron GGG40
9	Gasket	EPDM
10	Attachment Bracket	Ductile Iron GGG40
11	Handwheel Lock Nut	Brass HMn58-2
12	Handwheel	Ductile Iron GGG40
13	Hexagon Bolt	Carbon Steel

FIVC Gate Valve

Ductile Iron – PN 16 – Rising Stem – EN 1092-2



FGA series

Technical data

Main features and materials

- Body: Ductile Iron
- Bonnet: Ductile Iron
- Wedge: Ductile Iron+EPDM
- Stem: Stainless Steel
- Handwheel: Ductile Iron
- USP: Ensures durability. Cost efficient
- Design: DIN 3352
- Test standard: EN 12266-1
- Dimensions: Face-to-Face DIN 3202-F4
- Painting: Epoxy resin coating RAL5015 Thickness 250 Micron
- Flange drilling: EN 1092-2 PN16
- Testing Shell pressure: 2.4 MPa Seal pressure: 1.76 MPa

Field of applications

- Temperature range: -10 to 120°C
- Max. working pressure: 16 bar

- Water
- HVAC
- Plumbing
- Neutral fluids
- Other various industries

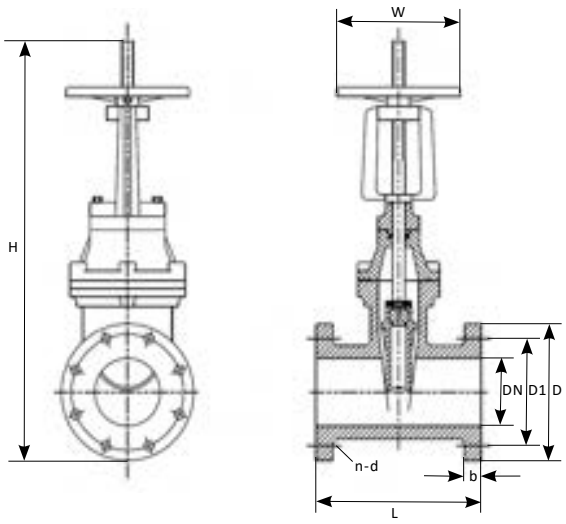
Description

FIVC Gate Valve is designed to be installed in pipelines only for isolating purposes.
Benefits of using gate valves include the feature of good closing along with the minimum pressure loss. Furthermore, the functionality of the valve prevents the water hammer phenomenon and is used for all types of applications - suitable for both above ground and underground installation. The valve can be used for Water.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Dimensions



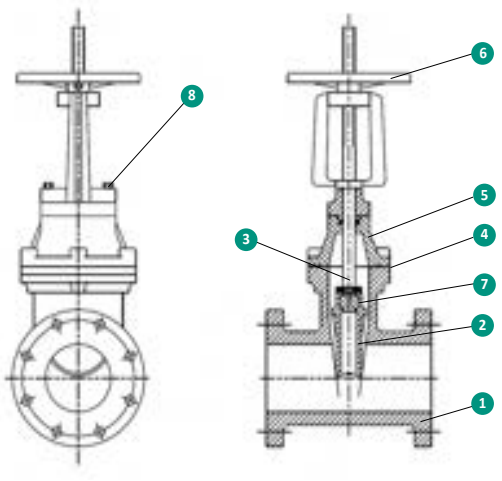
Product code	Size	L	D	D1	W	b	n	d	H	Kg
FGA050N16RB241	50	150	165	125	160	18	4	18	355	9.8
FGA065N16RB241	65	170	185	145	160	18	4	18	388	14
FGA080N16RB241	80	180	200	160	200	18	8	18	452	17
FGA100N16RB241	100	190	220	180	200	19	8	18	479	21
FGA125N16RB241	125	200	250	210	240	19	8	18	613	30
FGA150N16RB241	150	210	285	240	240	19	8	22	643	39
FGA200N16RB241	200	230	340	295	300	22	12	22	806	57
FGA250N16RB241	250	250	405	355	350	22	12	26	1030	95
FGA300N16RB241	300	270	460	410	350	26	12	26	1270	122
FGA350N16RB241	350	290	520	470	460	28	16	26	1500	168
FGA400N16RB241	400	310	580	525	550	30	16	30	1760	215
FGA450N16RB241	450	330	640	585	550	30	20	30	2070	320
FGA500N16RB241	500	350	715	650	550	32	20	33	2180	370
FGA600N16RB241	600	390	840	770	550	36	20	36	2330	560

Dimensions are in millimeters

FIVC Gate Valve

Ductile Iron – PN 16 – Rising Stem – EN 1092-2

Product Specification



N°	Name	Material
1	Body	Ductile Iron GGG40
2	Disc	Ductile Iron GGG40 + EPDM
3	Stem	Stainless Steel 420
4	Bonnet gasket	EPDM
5	Bonnet	Ductile Iron
6	Hand wheel	Ductile Iron
7	Wedge nut	Brass
8	Bolts and nuts	Stainless Steel

BALL VALVES



Feature	Simple, quick, and precise flow isolation facilitates seamless operation and reliability.
Corrosion resistance	Of durable materials, exhibiting excellent corrosion resistance, ensuring longevity and performance in harsh environments.
Green responsibility	Designed for optimal flow efficiency with minimal energy loss, contributing to sustainable operations and cost savings.
Space optimizer	Maximize space efficiency, ideal for tight installations.
Adaptability	Easy adaptability and integration into various systems and environments, providing flexibility and compatibility across a range of industries and processes.
Low maintenance	Requires minimal upkeep due to its robust design and quality materials, reducing downtime and lifecycle costs.



- Excellent flow isolation
- Minimum friction loss
- Cost-and energy efficient
- Durable and reliable
- Long lifespan

WRAS APPROVED PRODUCT

ISH 2025

FIVC Ball Valve

Bronze – PN 25 – Full Port – WRAS – ISO 228



FBA series

Technical data

Main features and materials

• Body:	Bronze CC491K
• Gasket:	Steel 65 Mn
• Stem:	Brass CW614N
• Ball:	Brass CuZn39Pb3
• Lever handle:	Mild Steel
• Seat:	PTFE
• USP:	WRAS approval Compact settlement Environment-friendly

Field of applications

• Max. temperature:	170 °C
• Max. working pressure:	25 bar

- Water distribution
- Oil distribution
- Gas distribution
- Heat engineering
- Refrigeration and air conditioning

Description

The FIVC Ball Valve is designed as a quarter-turn, full port valve for use in pipeline isolation.
The benefits of using ball valves include among others their durability and reliability. The ball valve is an excellent choice for shutoff and controlling media flow. Further, the full port functionality reduces friction loss in the pipeline.
In addition, the ball valve ensures cost- and maintenance efficiency due to its long lifespan and excellent performance.
This ball valve is suitable for Drinking Water, Steam, Oil, and Gas.

Alternative Product Versions

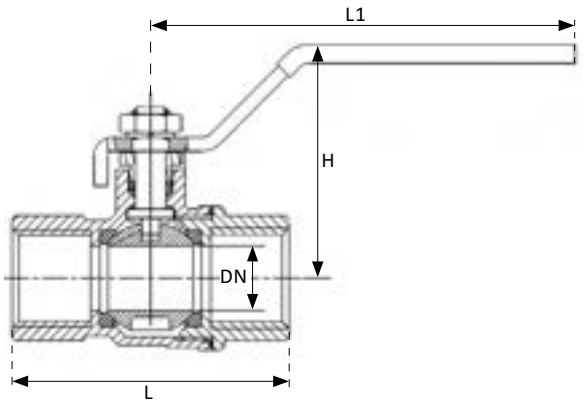
Other Standards
ANSI • ASME B1.20.1 • NPT

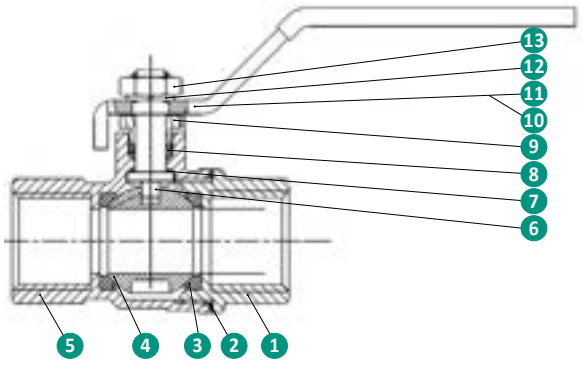
ISO 7/1 Rc/Rp threads

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).
This product is WRAS approved.

Dimensions





Product code	Size	L	L1	d	H	Kg
FBA015O25F212012112	15	53	95	14	44	0.228
FBA020O25F212012112	20	61	110	19	51	0.366
FBA025O25F212012112	25	71	110	24	55	0.539
FBA032O25F212012112	32	85	140	31	65	0.838
FBA040O25F212012112	40	92	140	38	70	1.133
FBA050O25F212012112	50	114	160	49	83	1.88

Dimensions are in millimeters

Product Specification

N°	Name	Material
1	Seat retainer	Bronze CC491K BS EN 1982
2	Gasket	PTFE
3	Seat	PTFE
4	Ball	Brass CW614N BS EN 12164
5	Body	Bronze CC491K BS EN 1982
6	Stem	Brass CW614N BS EN 12164
7	Stem gasket	PTFE
8	Packing	PTFE
9	Gland nut	Brass CW614N BS EN 12164
10	Lever	Mild Steel
11	Lever cover	PVC
12	Gasket	Steel 65 Mn
13	Lever nut	Brass CW614N BS EN 12164

FIVC Ball Valve

Bronze – PN 25 – Full Port – Extended lever – ISO 228



FBA series

Technical data

Main features and materials

- Body: Bronze
- Packet: PTFE
- Stem: Brass
- Ball: Chrome-plated brass
- Lever handle: Steel
- Design Standard: EN 13828
- Test Standard: EN 12266
- Seat: PTFE
- USP: Extended lever
  Long service life, lightweight, leak-proof isolation

Field of applications

- Max. temperature: 170 °C
- Max. working pressure: 25 bar

- Water
- HVAC
- Industry
- Heat engineering
- Neutral fluids

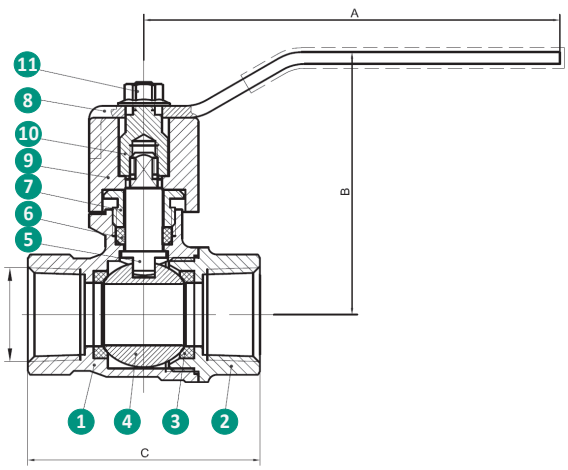
Description

FIVC Ball Valve provides full port, hence implies less resistance in the flow. The valve is designed with extended stem and Female-Female connections and is suitable for several applications including heating, glycol, and industry. The valve is constructed in Bronze and provides high tightness.
The valve can be used for water.

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



Product code	Size	A	B	C	Kg
FBA015O25FX42	15	95	60	53	294
FBA020O25FX42	20	110	69	61	438
FBA025O25FX42	25	110	73	71	605
FBA032O25FX42	32	140	86.9	85	916
FBA040O25FX42	40	140	91.4	92	1188
FBA050O25FX42	50	161	106	114.5	1975

Dimensions are in millimeters

Product Specification

N°	Name	Material
1	Body	Bronze CC491K
2	Bonnet	Bronze CC491K
3	Seat	PTFE
4	Ball	Chrome-plated brass
5	Stem	Brass CW617N
6	Packing	PTFE
7	Compression nut	Brass CW617N
8	Lever	Steel Q235A
9	Stem housing	Brass CW617N
10	Extension stem	Brass CW617N
11	Nuts	Steel Q235A

FIVC Ball Valve

Nickel-plated Brass – PN 25 – Full Port – ISO 228-1



FBA series

Technical data

Main features and materials

- Body: Brass CW617N
- Bonnet: Brass CW617N
- Stem: Brass CW617N
- Ball: Brass C37700
- Lever handle: Steel
- Seat: PTFE
- USP: Long service life, lightweight, leak-proof isolation

Field of applications

- Temperature range: DN 15-50: -20 to 90°C; DN 65-100: -20 to 120°C
- Max. working pressure: DN 15-50: 25 bar; DN 65-100: 20 bar

- Industrial cold/hot water plants
- HVAC
- Plumbing
- Irrigation plants

Description

FIVC Ball Valve is designed to be installed in pipelines for the purpose of isolating and may be employed to regulate fluids as well. The advantages of using ball valves include quick and leak-proof flow isolation and minimum pressure loss, as the ball valve, when fully opened, does not provide an obstruction in the flow path. Additionally, the ball valve is a lightweight product, economical, and offer a long service life.

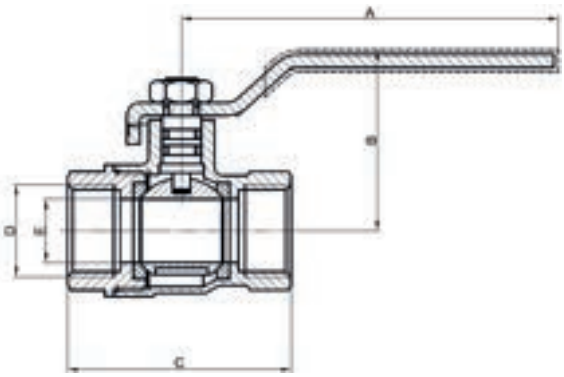
The valve is constructed in nickel-plated Brass and provides high tightness. The valve can be used for water.

Declaration

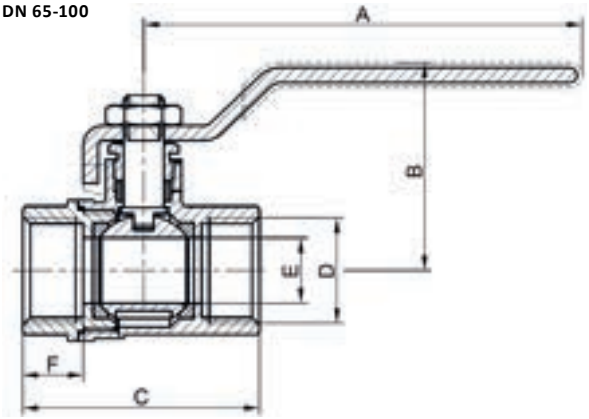
The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions

DN 15-50



DN 65-100



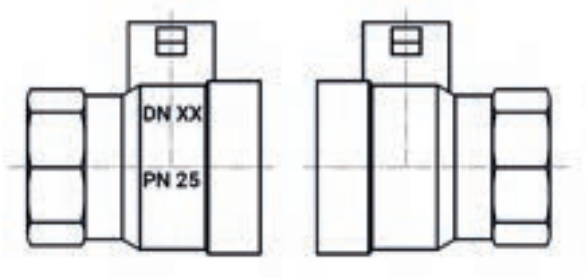
Product code	Size	A	B	C	D	E	Kg
FBA015H25F142	15	86	41.2	51	G 1 ½	Ø14.5	0.19
FBA020H25F142	20	105	46	57	G ¾	Ø19	0.27
FBA025H25F142	25	105	52	67	G 1	Ø24.5	0.42
FBA032H25F142	32	122	61	80	G 1 ¼	Ø32	0.70
FBA040H25F142	40	152	76	90.5	G ½	Ø40	1.00
FBA050H25F142	50	152	92	101	G 2	Ø49	1.41
FBA065H20F242	65	233	111	130	G 2 ½	Ø60.5	2.84
FBA080H20F242	80	233	121	147	G 3	Ø74	3.12
FBA100H20F242	100	233	139	185	G 4	Ø99	7.27

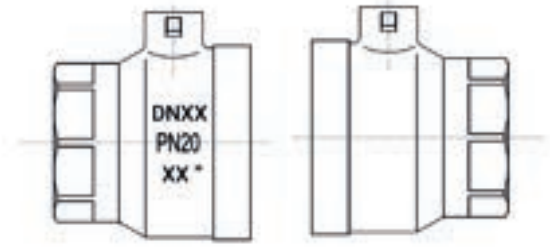
Dimensions are in millimeters

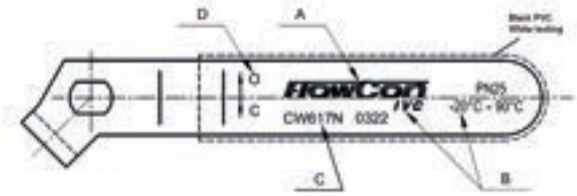
FIVC Ball Valve

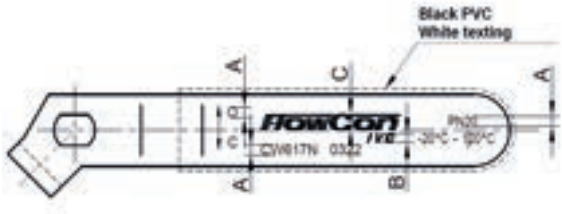
Nickel-plated Brass – PN 25 – Full Port – ISO 228-1

Product Information





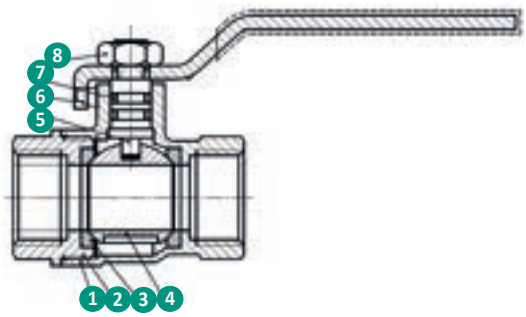




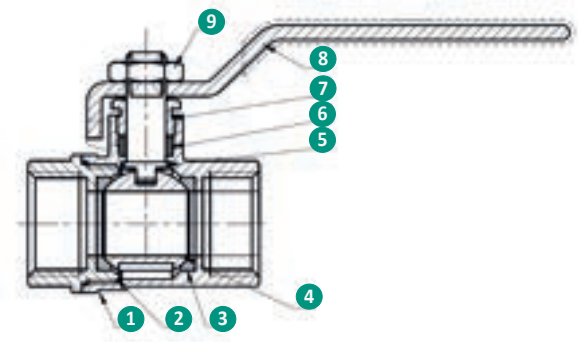
Product code	Size	A	B	C	D
FBA015H25F142	15	3	2	2	2
FBA020H25F142	20	3	2	2	2
FBA025H25F142	25	5	3	3	3
FBA032H25F142	32	5	3	3	3
FBA040H25F142	40	6	3.5	4	4
FBA050H25F142	50	6	3.5	4	4
FBA065H25F142	65	5	4	7	-
FBA080H25F142	80	5	4	7	-
FBA100H25F142	100	5	4	7	-

Dimensions are in millimeters

Product Specification



N°	Name	Material
1	Body	Brass CW617N - Nickel plated
2	Bonnet	Brass CW617N - Nickel plated
3	Seat	PTFE
4	Ball	Brass C37700 - Chrome plated
5	Stem	Brass CW617N - Nickel plated
6	Handle	Steel Q235A - Chrome plated
7	O-Rings	NBR
8	Nut	Steel Q235A



N°	Name	Material
1	Body	Brass CW617N - Nickel plated
2	Bonnet	Brass CW617N - Nickel plated
3	Seat	PTFE
4	Ball	Brass C37700 - Chrome plated
5	Stem	Brass CW617N - Nickel plated
6	Packing	PTFE
7	Packing nut	Brass C37700 - Nickel plated
8	Handle	Steel Q235A - Chrome plated
9	Nut	Steel Q235A

FIVC Ball Valve

Grey Cast Iron – PN 16 – EN 1092-2



FBA series

Technical data

Main features and materials

- Body: Grey Cast Iron
- Gasket: Stainless Steel+Graphite
- Seat: PTFE
- Ball: Stainless Steel
- Stem: Stainless Steel
- Handle: Ductile Iron
- USP: Compact settlement
- Standard: DIN 2501/DIN 2533
  API 598 or ISO 5208
  DN 65-100: DIN F4
  DN 125-300: DIN F5

Field of applications

- Temperature range: -10 to 120 °C
- Max. working pressure: 16 bar

- Petrochemical industry
- Irrigation systems
- Mining and infrastructure industries
- Shipyard industry
- Compressed air
- Textile industry
- Mechanical industry
- Other various industries

Description

The FIVC Ball Valve is designed as a quater-turn, full port valve to be installed in pipelines for isolating purposes.

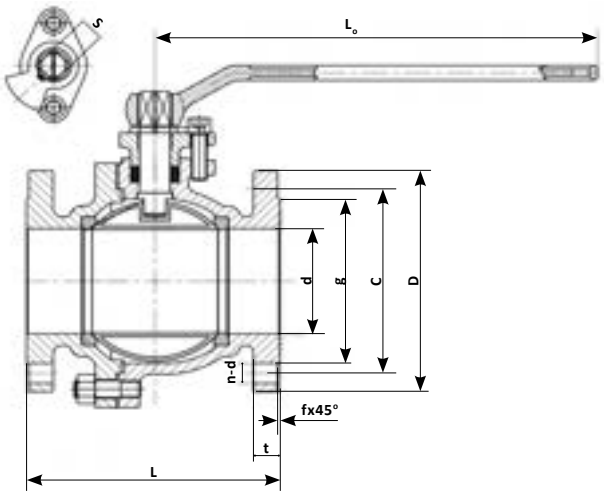
Benefits of using ball valves include among others their durability and reliability. Further, the full port functionality ensures lowered fricton loss in the pipeline.
Besides, the ball valve ensures cost- and maintenance efficiency due to its long life span and performance.

The valve can be used for Water, Oil, and Stem.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014.

Dimensions



Product Information

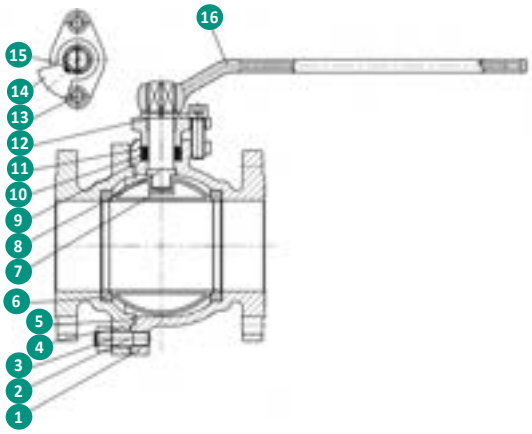
Product code	Size (DN)	L*	D*	c*	g*	d*	N-h*	t*	f*	H*	s*	L°*	Kg
FBA065C16F215	65	170	185	145	122	65	4-Ø18	18	3	152	17	250	-
FBA080C16F215	80	180	200	160	138	80	8-Ø18	20	3	170	19	350	-
FBA100C16F215	100	190	220	180	158	100	8-Ø18	20	3	205	22	400	-
FBA125C16F215	125	325	250	210	188	125	8-Ø18	26	3	250	27	645	-
FBA150C16F215	150	350	285	240	212	150	8-Ø22	26	3	270	27	645	-
FBA200C16F215	200	400	340	295	268	200	12-Ø22	30	3	340	30	750	-
FBA250C16F215	250	450	405	355	320	250	12-Ø26	32	3	468	40	Gearbox	-
FBA300C16F215	300	500	460	410	370	300	12-Ø28	32	3	514	50	Gearbox	-

**Dimensions are in millimeters • L°: Handle*

FIVC Ball Valve

Grey Cast Iron – PN 16 – EN 1092-2

Product Specification



N°	Name	Material
1	Body	Grey Cast Iron GG25
2	Stud	35
3	Nut	Steel SS 400
4	Adapter Cap	Grey Cast Iron GG 25
5	Gasket body	Stainless Steel F304 + Graphite
6	Seat	PTFE
7	Ball	Stainless Steel 201 *(solid hollow ball)*
8	Stem	Stainless Steel 2Cr13
9	Packing	PTFE
10	Packing	PTFE
11	Packing	PTFE
12	Gland	Grey Cast Iron GG25
13	Hex bolt	35
14	Locator card	Steel SS 400
15	Flexible washer	65Mn
16	Handle	Ductile Iron EN-GJS-400-18

STRAINERS



Feature	Efficiently removes debris and particles from fluid streams, surpassing screen mesh dimensions, safeguarding downstream equipment, and ensuring system reliability.
Corrosion resistance	Crafted from corrosion-resistant materials to ensure longevity and reliability.
Green responsibility	Maintains media quality and safety, prevents pollution, and protects natural resources. Minimizes disruptions to operations, contributing to overall efficiency and sustainability.
Space optimizer	Space-optimizer and seamless integration into diverse piping systems.
Adaptability	Easy installation and minimal maintenance. Cleaning without removing from pipeline, enhancing productivity.



- Excellent system protection
- Ensure high media quality
- Ensure system efficiency
- Filter cleaning without removing the strainer

WRAS APPROVED PRODUCT

ISH 2025

FIVC Y-Strainer

Bronze – PN 20 – Screwed Cap – ISO 228



FYS series

Technical data

Main features and materials

• Body:	Bronze CC491K
• Cap:	Bronze CC491K
• Screen:	Stainless Steel
• Gasket:	PTFE
• Testing:	BS 6755
• USP:	Wras approved
	Compact settlement
	Environment-friendly
	WRAS approval - *Model no. 3657*

Field of applications

• Temperature range:	-10 to 85 °C
• Non-WRAS:	-10 to 100 °C
• Max. working pressure:	20 bar
	7 bar at 170 °C

- Potable water
- HVAC
- LTHW
- CHW
- Oil distribution
- Steam applications

Description

FIVC Y-Strainer is designed to collect and prevent solid impurities from entering the pipeline that can cause malfunction and damage to the most sensitive plant components such as pumps, control valves, flow, and heat meters. The strainer holds solid particles, debris, which dimensions exceeds screen mesh.

The collected debris can thereby be disposed and the filter can be cleaned without removing the strainer from the line. The valve can be used for Water, Steam, and Oil respectively.

Alternative Product Versions

Other Standards

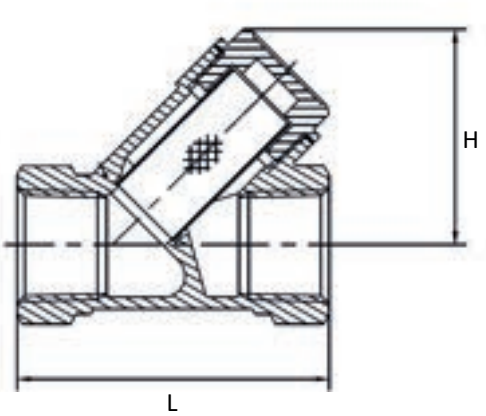
ANSI • ASME B1.20.1 • NPT

ISO 7/1 Rc/Rp threads

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).
This valve is WRAS-approved.

Dimensions



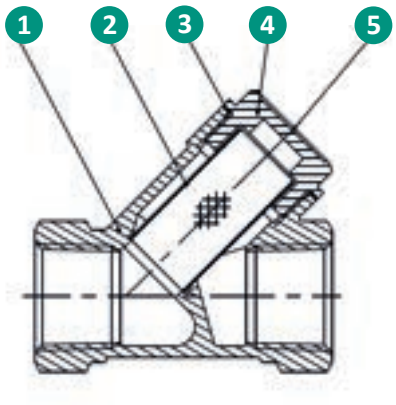
Product code	Size	L	H	Kg
FYS015O20540121	15	58	40	0.185
FYS020O20540121	20	70	51	0.298
FYS025O20540121	25	88	57.6	0.426
FYS032O20260121	32	96	58.5	0.72
FYS040O20260121	40	107	74	0.98
FYS050O20260121	50	126	95	1.5

Dimensions are in millimeters

FIVC Y-Strainer

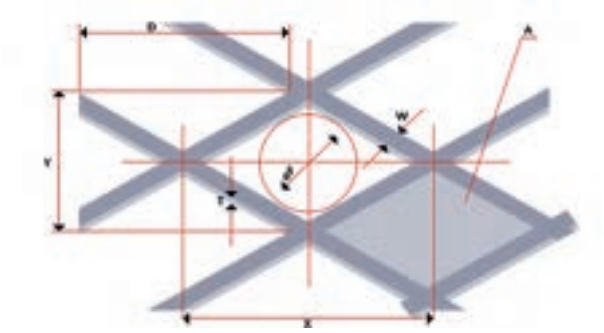
Bronze – PN 20 – Screwed Cap – ISO 228

Product Specification



N°	Name	Material
1	Body	Bronze CC491K BS EN 1982
2	Screen	Stainless Steel SS 304 ASTM A2276-96
3	Gasket	PTFE
4	Cap	Bronze CC491K BS EN 1982
5	ID plate	Aluminium

Screen Information



ST*	Mesh*	øF*	T*	A*	Opening Area
	Per cm2	mm	mm	mm²	%
Mesh	54 *(DN 15-25)*	0.6 *(DN 15-25)*	0.3	1.13	61
	26 *(DN 32-50)*	1.2 *(DN 32-50)*	0.4	2.77	72

**ST: Screen type • Mesh: Number of holes • øF: Inscribed hole diameter • T: Wire thickness • W: Wire width • A: Area of hole*

FIVC Y-Strainer

Brass – PN 20 – Screwed Cap – ISO 228



FYS series

Technical data

Main features and materials

- Body: DN 15-25: Brass CW617N
  DN 32-50: Brass Delta C
- Cap: Brass CW617N
- Screen: Stainless Steel
- Gasket: PTFE
- Finishing: Sandblast
- USP: Compact settlement
  Environment-friendly

Field of applications

- Max. temperature: 80 °C
- Max. working pressure: 20 bar

- Hot and cold water plants
- Industrial Technologies
- Heat and refrigerating
- Engineering and air-conditioning

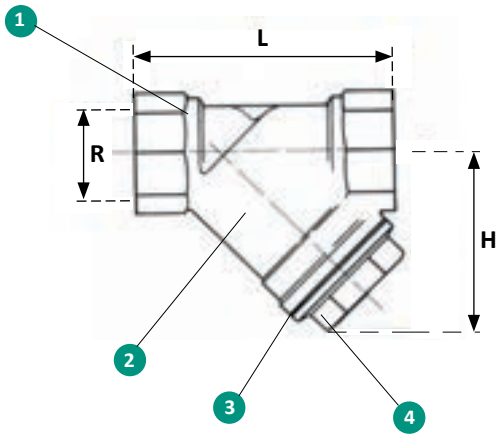
Description

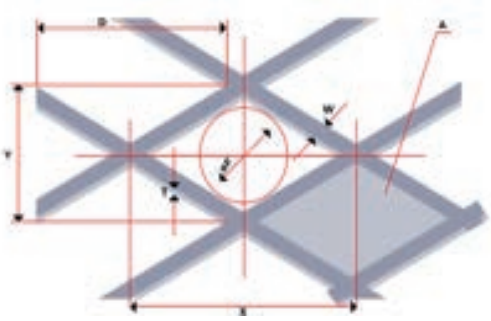
FIVC Y-Strainer is designed to collect and prevent solid impurities from entering the pipeline that can cause malfunction and damage to the most sensitive plant components such as pumps, control valves, flow, and heat meters. The strainer holds solid particles, debris, which dimensions exceeds screen mesh. The collected debris can thereby be disposed and the filter can be cleaned without removing the strainer from the line. The valve can be used for Water.

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP.
Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions





Product code	Size (DN)	L	H
FYS015B2045	15	58	40
FYS020B2045	20	70	50
FYS025B2045	25	87	60
FYS032B2040	32	96	68
FYS040B2040	40	106	75
FYS050B2040	50	126	90

Dimensions are in millimeters

Product Specification

N°	Name	Material
1	Body	DN 15-25: Brass CW617N UNI EN 12165 DN 32-50: Brass Delta C EN 1982 CB 745S
2	Screen	Stainless Steel SS AISI 304L Rhomboidal flattened
3	Gasket	PTFE
4	Cap	Brass CW617N UNI EN 12165

Screen Information

ST*	Mesh*		W*	T*	øF*	Wire space	
						X*	Y*
	Per linear inch	Per cm²	mm	mm	Micron	mm	
Mesh	45 (DN 15-25)	150 (DN 15-25)	0.35	0.25	400	1.5	0.90
	40 (DN 32-50)	80 (DN 32-50)			500	2.0	1.20

**ST: Screen type • Mesh: Number of holes • W: Wire width • T: Wire thichness • øF: Inscribed holde diameter • Y and X: Wire space at X-axis and Y-axis*

FIVC Y-Strainer

Brass – PN 20 – w/Mini Ball Valve – Screwed Cap – ISO 228



FYS series

Technical data

Main features and materials

- Body: DN 15-25: Brass CW617N; DN 32-50: Brass Delta C
- Cap: Brass CW617N
- Screen: Stainless Steel
- Mini ball valve: Brass CW617N
- Stem: Brass CW614N
- Handle: Aluminium
- USP: Compact settlement; Environment-friendly

Field of applications

- Temperature range: -10 to 80 °C
- Max. working pressure: 20 bar

- Hot and cold water plants
- Industrial Technologies
- Heat and refrigerating
- Engineering and air-conditioning

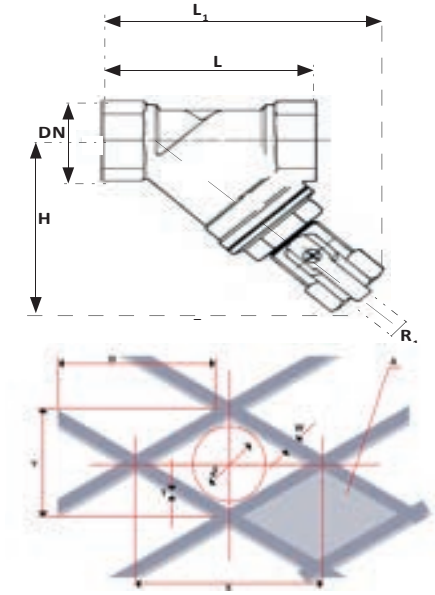
Description

FIVC Y-Strainer is designed combined with a mini ball valve to collect and prevent solid impurities from entering the pipeline that can cause malfunction and damage to the most sensitive plant components such as pumps, control valves, flow, and heat meters. The strainer holds solid particles, debris, which dimensions exceeds screen mesh.
The collected debris can thereby be disposed and the filter can be cleaned without removing the strainer from the line.
The valve can be used for Water.

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP.
Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



Product code	Size (DN)	R1	L	L1	H	Kv (m^3/h)	Kg
FYS015B2045D	15	1/4	59	84	62	4.6	-
FYS020B2045D	20	1/4	70	95	68	7.3	0.249
FYS025B2045D	25	1/4	87	105	75	12.5	0.249
FYS032B2040D	32	1/4	96	112	82	17	-
FYS040B2040D	40	1/4	106	120	90	24.5	-
FYS050B2040D	50	3/8	126	138	113	36	-

Dimensions are in millimeters

Screen Information

ST*	Mesh*		D*	T*	øF*		Wire space	
	Per linear inch	Per cm²	mm	mm	mm	Micron µm	X*	Y*
Mesh	45 (DN 15-25)	150	0.35	0.25	0.4	400	1.5	0.9
	40 (DN 32-50)	80			0.5	500	2.0	1.2

**ST: Screen type • Mesh: Number of holes • D: Wire diameter*
• T: Wire thichness • øF: Inscribed holde diameter
• Y and X: Wire space at X-axis and Y-axis

Product Specification

N°	Name	Material
1	Body	DN 15-25: Brass CW617N DN 32-50: Brass Delta C EN 1982 CB 745S
2	Ball	Brass CW617N UNI EN 12165. Nickel and Chromium plated. Ground by diamond-tipped tool
3	Cap	Brass CW617N UNI EN 12165
4	Body gasket	PTFE
5	Stem	Brass CW614N UNI EN 12164
6	Seat	Virgin PTFE
7	Stem packing	NBR
8	O-Ring	NBR
9	Screen	Stainless Steel AISI 304L. Romboidal flattened sheet
10	Handle	Aluminium with black plastic coating
11	Finishing	Sandblast

FIVC Y-Strainer

Bronze – PN 20 – w/Mini Ball Valve – Screwed Cap – ISO 228



FYS series

Technical data

Main features and materials

- Body: Bronze SN 5
- Cap: Brass CW617N
- Screen: Stainless Steel
- Mini ball valve: Brass CW617N
- Stem: Brass CW614N
- Gasket: PTFE
- Handle: Aluminium
- USP: Compact settlement
  Environment-friendly

Field of applications

- Temperature range: -10 to 80 °C
- Max. working pressure: 20 bar

- Hot and cold water plants
- Industrial Technologies
- Heat and refrigerating
- Engineering and air-conditioning

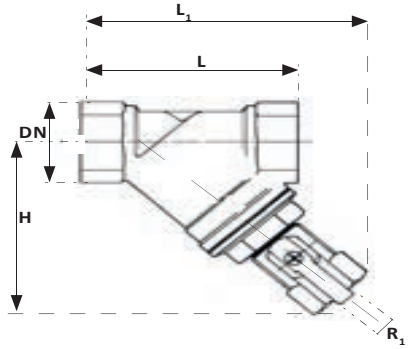
Description

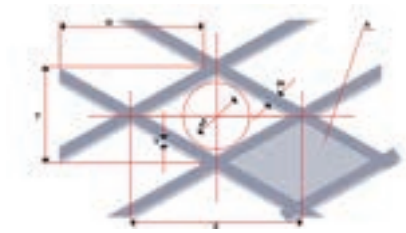
FIVC Y-Strainer is designed combined with a mini ball valve to collect and prevent solid impurities from entering the pipeline that can cause malfunction and damage to the most sensitive plant components such as pumps, control valves, flow, and heat meters. The strainer holds solid particles, debris, which dimensions exceeds screen mesh.
The collected debris can thereby be disposed and the filter can be cleaned without removing the strainer from the line.
The valve can be used for Water.

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP.
Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions





Product Information

Product code	Size (DN)	R1	L	L1	H	Kv (m^3/h)
FYS015O2045D	15	1/4	59	84	62	4.6
FYS020O2045D	20	1/4	70	95	68	7.3
FYS025O2045D	25	1/4	87	105	75	12.5
FYS032O2040D	32	1/4	96	112	82	17
FYS040O2040D	40	1/4	106	120	90	24.5
FYS050O2040D	50	3/8	126	138	113	36

Dimensions are in millimeters

Product Specification

N°	Name	Material
1	Body	Bronze SN 5 UNI EN 1982 DIN 50930/6
2	Ball	Nickel and Chromium plated. Ground by diamond-tipped tool
3	Cap	Brass CW617N UNI EN 12165
4	Body gasket	PTFE
5	Stem	Brass CW614N UNI EN 12164
6	Seat	Virgin PTFE
7	Stem packing	NBR
8	O-Ring	NBR
9	Screen	Stainless Steel AISI 304. Romboidal flattened sheet
10	Handle	Aluminium with black plastic coating
11	Finishing	Sandblast

Screen Information

ST*	Mesh*		D*	T*	øF*		Wire space	
	Per linear inch	*Per cm²*		*mm*	*mm*	*Micron - µm*	*X**	*Y**
Mesh	45 (DN 15-25)	150	0.35	0.25	0.4	400	1.5	0.9
	40 (DN 32-50)	80			0.5	500	2.0	1.2

**ST: Screen type • Mesh: Number of holes • D: Wire diameter • T: Wire thickness • øF: Inscribed hole diameter • Y and X: Wire space at X-axis and Y-axis.*

FIVC Y-Strainer

Ductile Iron – Y-Strainer – PN 16 – WRAS – EN 1092-2



FYS series

Technical data

Main features and materials

- Body: Ductile Iron
- Cover: Ductile Iron
- Screen: Stainless Steel
- Sealing ring: WRAS EPDM
- Coating: Epoxy RAL 5015 *(250 µm)*
- Dimensions: Face-to-Face acc. to EN 558 *(series 1)*
  ISO 5752 DIN 3202 F1
- Closing tightness: BS EN 12266-1
- USP: WRAS approved
  Compact settlement
  Environment-friendly
  Cleaning without disassembling

Field of applications

- Temperature range: -10 to 85 °C
- Max. working pressure: 16 bar

- Drinking water
- Filtration system

Description

FIVC Y-Strainer is designed to collect and prevent solid impurities from entering the pipeline that can cause malfunction and damage to the most sensitive plant components such as pumps, control valves, flow, and heat meters. The strainer holds solid particles, debris, which dimensions exceed screen mesh.

The collected debris can thereby be disposed and the filter can be cleaned without removing the strainer from the line.

This strainer can be delivered with a test point plug by request, but as standard, the strainer is delivered without this device.

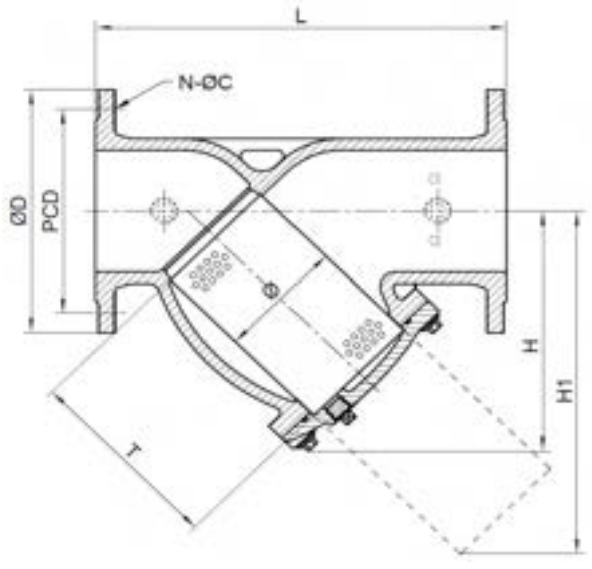
The valve is suitable for drinking water.

Declaration

The product has been inspected and tested per the European PED Directive N° 2014/68/EU, dated 15/05/2014.

The valve is WRAS approved.

Dimensions

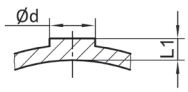


Product code	Size	L	ØD	PCD	N-ØC	H	H1	Ø	T	Ød	L1	Kg
FYS050N16231	50	230	165	125	4-19	124	183	49	112	25.4	8	8.7
FYS065N16231	65	290	185	145	4-19	137	205	64	122	25.4	8	10.6
FYS080N16231	80	310	200	160	8-19	152	238	79	135.5	25.4	9	12.7
FYS100N16231	100	350	220	180	8-19	205	318	99	187	25.4	9	16.8
FYS125N16231	125	400	250	210	8-19	244	358	124	208	25.4	9.5	24.1
FYS150N16231	150	480	285	240	8-23	269	380	149	207	25.4	11	33.3
FYS200N16231	200	600	340	295	12-23	341	508	199	284	25.4	12	54.9
FYS250N16231	250	730	405	355	12-28	455	700	249	405	25.4	14	90
FYS300N16231	300	850	460	410	12-28	476	730	299	416	25.4	14.6	113
FYS350N16231	350	980	520	470	16-28	625	940	367	520	25.4	15	234
FYS400N16231	400	1100	580	525	16-31	685	1050	412	580	25.4	16	306
FYS450N16231	450	1200	640	585	20-31	746	1110	460	597	25.4	18	352
FYS500N16231	500	1250	715	650	20-34	845	1550	510	696	25.4	18	434
FYS600N16231	600	1450	840	770	20-37	984	1560	610	822	25.4	18	650

Dimensions are in millimeters

C-C

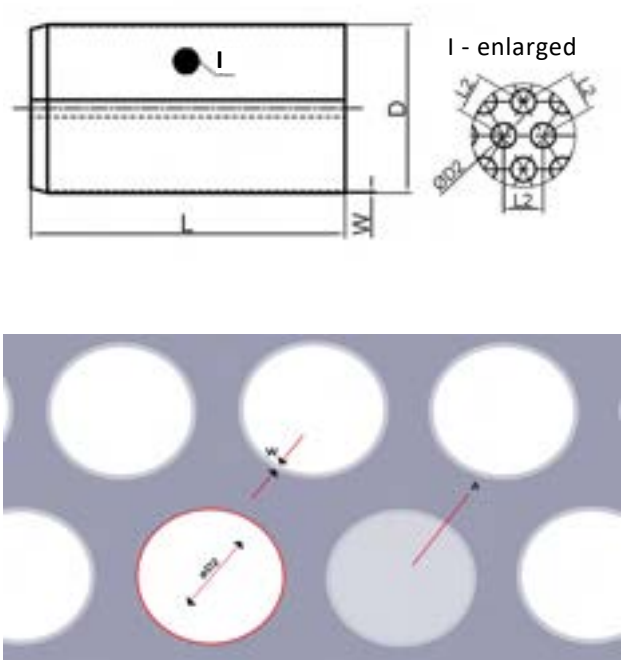
Test point plug platform



FIVC Y-Strainer

Ductile Iron – Y-Strainer – PN 16 – WRAS – EN 1092-2

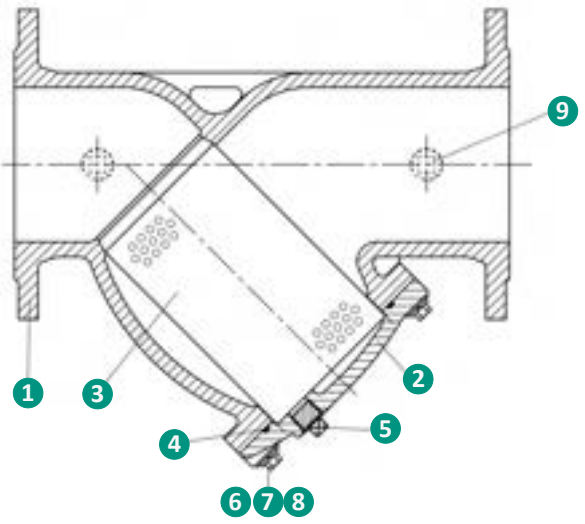
Screen Information



ST	Valve size	Mesh	ØD2	D	L	Drain	L2	W	A
		per inch²	*mm*	*mm*	*mm*	*Inch*	*mm*	*mm*	*%*
Perforated	50	104	1.5	49	112	Rp 3/8"	2.5	0.8	28
	65			64	122	Rp 3/8"			
	80			79	135.5	Rp 3/8"			
	100			99	187	Rp 3/8"			
	125			124	208	Rp 3/8"			
	150			149	207	Rp 3/8"			
	200	26	2.5	199	284	Rp 1/2"	5	1.2	20
	250			249	405	Rp 1/2"			
	300			299	416	Rp 1/2"			
	350			367	521	Rp 3/4"		1.4	
	400	22	3.5	412	580	Rp 3/4"	5.5	1.8	33
	450			460	597	G 1"			
	500			510	696	G 1"			
	600			610	822	G 1"			

ST: Screen type • Mesh: number of holes • ØD2: Aperture/inscribed hole diameter • D: Mesh diameter • L: Mesh length • L2: Hole spacing • W: Thickness of sheet • A: Opening area, where % is the flow area ratio in %

Product Specification



N°	Name	Material
1	Body	Ductile Iron EN-GJS-400 BS EN 1563
2	Cover	Ductile Iron EN-GJS-400 BS EN 1563
3	Screen	Stainless Steel BS EN 10088X5CrNi18-10
4	Sealing ring	WRAS EPDM
5	Drain plug	Stainless Steel BS EN 10088X5CrNi18-10
6	Bolt	Carbon Steel Galvanized EN 100083-2 C45
7	Spring Washer	Carbon Steel Galvanized EN 10132-4 C67S
8	Washer	Carbon Steel Galvanized EN 100083-2 C45
9	Test point plug R_1 1/4"*	Stainless Steel BS EN 10088X5CrNi18-10

**The test point plug R1 can be produced accc. to any request. Please note that the plug is not included in the standard strainer, only by request.*

FIVC Y-Strainer

Ductile Iron – Y-Strainer – PN 25 – WRAS – EN 1092-2



FYS series

Technical data

Main features and materials

• Body:	Ductile Iron
• Cover:	Ductile Iron
• Screen:	Stainless Steel
• Sealing ring:	WRAS EPDM
• Coating:	Epoxy
• Dimensions:	Face-to-Face acc. to EN 558 *(series 1)*
• Closing tightness:	BS EN 12266-1 PN 25
• USP:	WRAS approval
	Compact settlement
	Environment-friendly
	Cleaning without disassembling

Field of applications

• Temperature range:	-10 to 85 °C
• Max. working pressure:	25 bar

- Drinking water
- Filtration system

Description

FIVC Y-Strainer is designed to collect and prevent solid impurities from entering the pipeline that can cause malfunction and damage to the most sensitive plant components such as pumps, control valves, flow, and heat meters. The strainer holds solid particles, debris, which dimensions exceed screen mesh.

The collected debris can thereby be disposed and the filter can be cleaned without removing the strainer from the line.

This strainer can be delivered with a test point plug by request, but as standard, the strainer is delivered without this device.

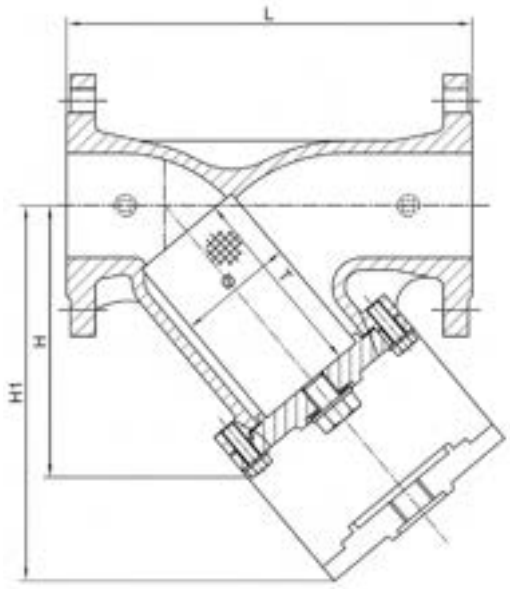
The valve is suitable for drinking water.

Declaration

The product has been inspected and tested per the European PED Directive N° 2014/68/EU, dated 15/05/2014.

WRAS

Dimensions



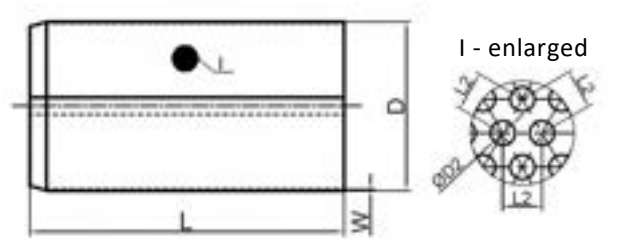
Product code	Size	L	H	H1	Ø	T	Kg
FYS050N25231	50	230	160	250	61.5	119	11
FYS065N25231	65	290	180	285	78.5	134	16
FYS080N25231	80	310	215	330	89.5	149	20
FYS100N25231	100	350	235	365	106	175	28.9
FYS125N25231	125	400	275	425	137.5	199	38.6
FYS150N25231	150	480	305	480	160	224	64.9
FYS200N25231	200	600	390	610	210	284	93.5
FYS250N25231	250	730	540	915	258	434	170
FYS300N25231	300	850	680	1110	308	555	273
FYS350N25231	350	980	740	1210	362	606	375
FYS400N25231	400	1100	845	1380	412	686	600
FYS450N25231	450	1200	840	1310	456	682	750
FYS500N25231	500	1250	908	1440	506	746	800
FYS600N25231	600	1450	1078	1740	606	930	1240

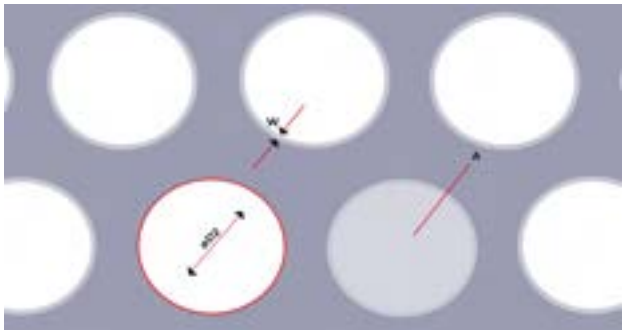
Dimensions are in millimeters • H1: Distance needed to take out the screen

FIVC Y-Strainer

Ductile Iron – Y-Strainer – PN 25 – WRAS – EN 1092-2

Screen Information

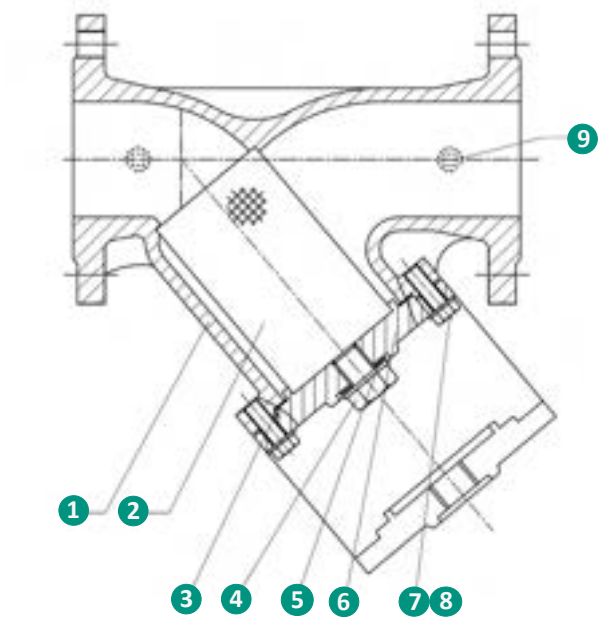




ST	Valve size	Mesh per inch²	ØD2 mm	D mm	L mm	Drain Inch	L2 mm	W mm	A mm²	A %
Perforated	50	104	1.5	61.5	119	G 1”	2.5	0.8	6753.9	28
	65			78.5	134	G 1”			9707.5	
	80			89.5	149	G 1”			12306.8	
	100			106	175	G 1-1/2”			17119.0	
	125			137.5	199	G 1-1/2”			25251.7	
	150			160	224	G 1-1/2”		1	33075.3	
	200	26	2.5	210	284	G 2”	5	1.2	38221.7	20
	250			258	434	G 2”			71759.9	
	300			308	555	G 2”			109551.0	
	350			362	606	G 2”		1.4	140589.8	
	400	22	3.5	412	686	G 2”	5.5	1.8	300399.6	33
	450			456	682	G 2”			330542.5	
	500			506	746	G 2”			401206.0	
	600			606	930	G 2”			599009.4	

ST: Screen type • Mesh: number of holes • ØD2: Aperture/inscribed hole diameter • D: Mesh diameter • L: Mesh length • L2: Hole spacing • W: Thickness of sheet • A: Opening area, where % is the flow area ratio in %

Product Specification



N°	Name	Material
1	Body	Ductile Iron EN-GJS-400 BS EN 1563
2	Screen	Stainless Steel BS EN 10088X5CrNi18-10
3	Sealing ring	WRAS EPDM
4	Plug	Carbon Steel Galvanized EN 100083-2 C45
5	Gasket	WRAS EPDM
6	Cover	Ductile Iron EN-GJS-400 BS EN 1563
7	Bolt	Carbon Steel Galvanized EN 100083-2 C45
8	Spring washer	Carbon Steel Galvanized EN 10132-4 C67S
9	Test point plug R_1 1/4”*	Stainless Steel BS EN 10088X5CrNi18-10

**The test point plug R_1 can be produced accc. to client’s demand, however this device is not included in the standard strainer.*

FIVC Y-Strainer

Grey Cast/Ductile Iron – PN 16 – EN 1092-2

DN 50-300



DN 350-600



FYS series

Technical data

Main features and materials

- Body: DN 50-300: Grey Cast Iron; DN 350-600: Ductile Iron
- Cover: DN 50-300: Grey Cast Iron; DN 350-600: Ductile Iron
- Screen: Stainless Steel
- Coating: Epoxy RAL 5015 *(250 µm)*
- Dimensions: Face-to-Face acc. to ISO 5752 DIN 3202 F1
- Drilling: EN 1092-2 PN 16
- Testing: BS EN 12266-1
- USP: Cleaning without disassembling
  Excellent system protector
  Cleaning without disassembling

Field of applications

- Temperature range: DN 50-300: -10 to 150° C; DN 350-600: -10°C to 100°C
- Max. working pressure: 16 bar

- Hot and cold water plants
- Industrial Technologies
- Heat and refrigerating, engineering and air-conditioning

Description

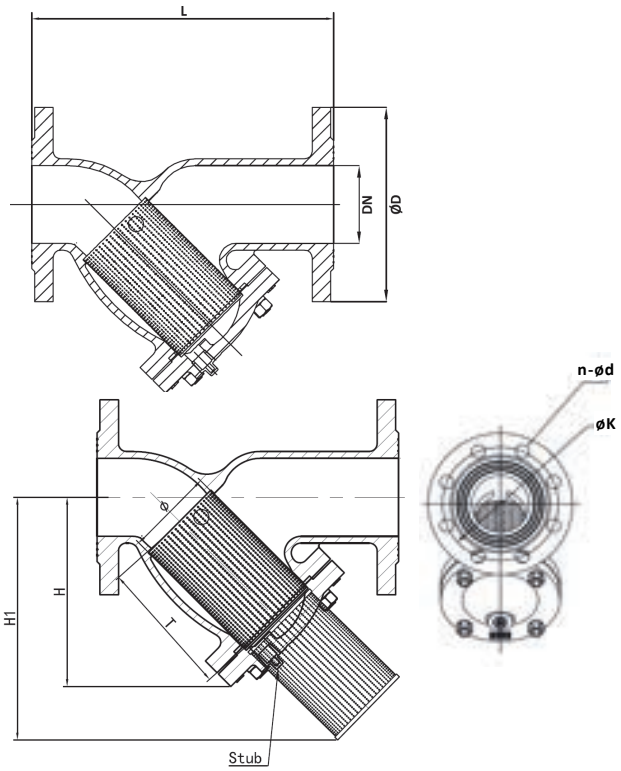
FIVC Y-strainer is designed to collect and prevent solid impurities from entering the pipeline that can cause malfunction and damage to the most sensitive plant components such as pumps, control valves, flow, and heat meters. The strainer holds solid particles and debris, which dimensions exceeds screen mesh.
The collected debris can thereby be disposed and the filter can be cleaned without removing the strainer from the line. The valve can be used for water.

Declaration

The product has been inspected and tested in accordance with the European PED Directive No 2014/68/EU, dated 15/05/2014 and is CE marked.

Dimensions

DN 50-300



Product code	Size	L	ØD	ØK	n-ød	H	H1	T	ø	Stub*	Kg
FYS050C16210	50	230	165	125	4-19	141	200	98	55	3/8	9.5
FYS065C16210	65	290	185	145	4-19	180	260	132	76	3/8	15.5
FYS080C16210	80	310	200	160	8-19	194	275	140	90	1/2	17.8
FYS100C16210	100	350	220	180	8-19	219	316	159	110	1/2	24.4
FYS125C16210	125	400	250	210	8-19	281	436	240	140	1/2	37
FYS150C16210	150	480	285	240	8-23	316	495	273	167	1/2	47
FYS200C16210	200	600	340	295	12-23	392	595	332	225	1/2	78
FYS250C16210	250	730	405	355	12-28	478	726	404	264	1	126
FYS300C16210	300	850	460	410	12-28	565	879	489	321	1	176

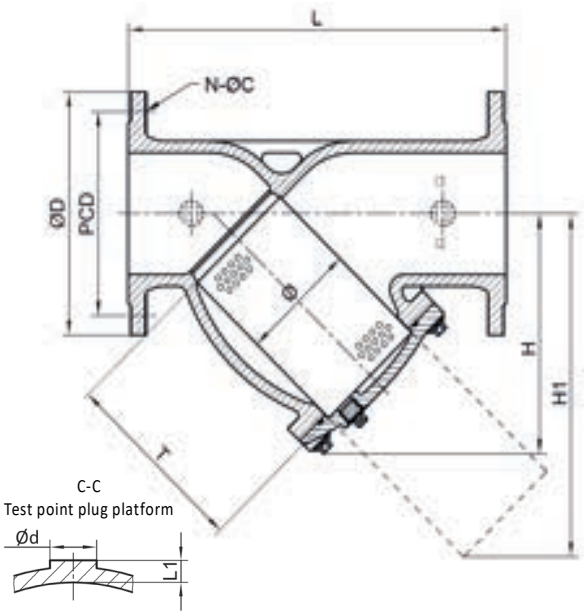
Dimensions are in millimeters • DIN (Rc)

FIVC Y-Strainer

Grey Cast/Ductile Iron – PN 16 – EN 1092-2

Dimensions

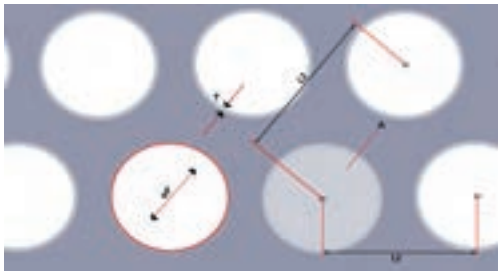
DN 350-600

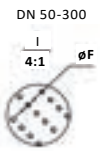


Product code	Size	L	ØD	PCD	H	H1	Ø	T	Ød	L1	Kg
FYS350N16230	350	980	520	470	625	940	367	520	25.4	15	234
FYS400N16230	400	1100	580	525	685	1050	412	580	25.4	16	306
FYS450N16230	450	1200	640	585	746	1110	460	597	25.4	18	352
FYS500N16230	500	1250	715	650	845	1550	510	696	25.4	18	434
FYS600N16230	600	1450	840	770	984	1560	610	822	25.4	18	650

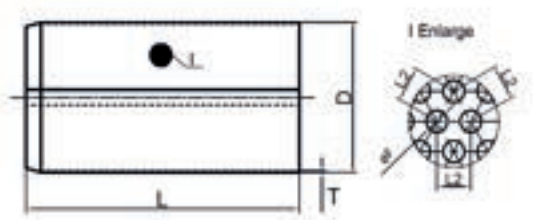
Dimensions are in millimeters

Screen Information





Schematic diagram of the filter



ST	Mesh		T_s	øF	L2	A
	per cm²	*per inch²*	*mm*	*mm*	*mm*	*%*
Perforated	19.26 *DN 50-150*	-	0.25 *DN 50-100*	1.5 *DN 50-150*	2.5 *DN 50-150*	34.1 *DN 50-150*
	4.8 *DN 200-300*	-	1 *DN 125-300*	3 *DN 200-300*	4.5 *DN 200-300*	33.6 *DN 200-300*
	-	26 *DN 350*	1.4 *DN 350*	2.5 *DN 350*	5 *DN 350*	20 *DN 350*
	-	22 *DN 400-600*	1.8 *DN 400-600*	3.5 *DN 400-600*	5.5 *DN 400-600*	33 *DN 400-600*
	-					

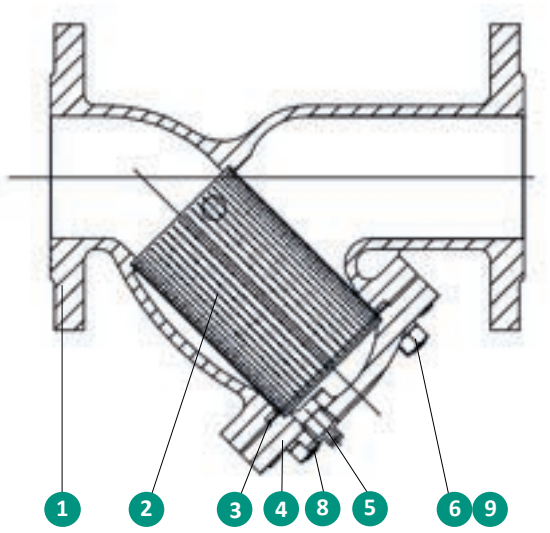
**ST: Screen type • Mesh: number of holes (Acc. +/- 0.5-1) • T_s: Thickness of sheet • øF: Inscribed hole diameter • L2: Hole spacing • A: Flow area ratio*

FIVC Y-Strainer

Grey Cast/Ductile Iron – PN 16 – EN 1092-2

Product Specification

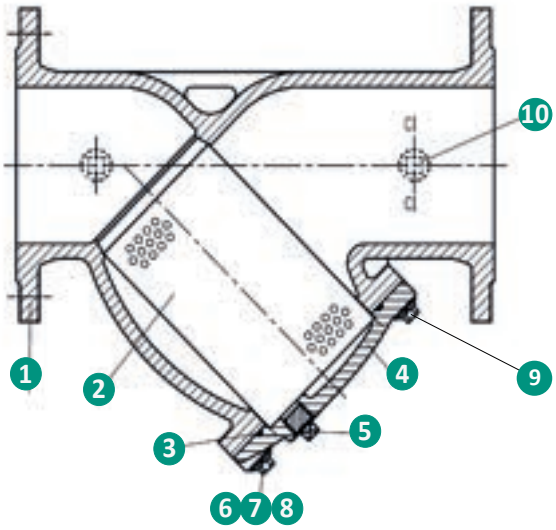
DN 50-300



N°	Name	Material
1	Body	DN 50-300: Grey Cast Iron GG25 DN 350-600: Ductile Iron BS EN 1563 EN-GJS-400
2	Screen	DN 50-300: Stainless Steel 304 ASTM A276-96 DN 350-600: Stainless Steel BS EN 10088X5CrNi18-10
3	Gasket	DN 50-300: Graphite DN 350-600: EPDM
4	Cover	DN 50-300: Grey Cast Iron GG25 DN 350-600: Ductile Iron BS EN 1563 EN-GJS-400
5	Drain plug	DN 50-300: Malleable Iron EN-GJMB-300-06 DN 350-600: Stainless Steel BS EN 10088X5CrNi18-10
6	Bolt	DN 50-300: Stainless Steel 304 DN 350-600: Carbon Steel Galvanized EN 100083-2 C45
7	Spring washer	DN 350-600: Carbon Steel Galvanized EN 10132-4 C67S
8	Washer	DN 50-300: Stainless Steel 304 DN 350-600: Carbon Steel Galvanized EN 100083-2 C45
9	Nut	DN 50-300: Stainless Steel 304 DN 350-600: Carbon Steel Galvanized EN 100083-2 C45
10	Test plug R^1 1/4"*	DN 350-600: Stainless Steel BS EN 10088X5CrNi18-10
11	Coating	Epoxy RAL 5015 *(250 µm)*

**The test point plug R_1 can be produced acc. to any request. Please note that the plug is not included in the standard strainer, only by request.*

DN 350-600



FIVC Y-Strainer

Ductile Iron – Y-Strainer – PN 16 – EN 1092-2



FYS series

Technical data

Main features and materials

- Body: Ductile Iron
- Cover: Ductile Iron
- Screen: Stainless Steel
- Sealing ring: EPDM
- Coating: Epoxy RAL 5015 *(250 µm)*
- Dimensions: Face-to-Face acc. to EN 558 *(series 1)*
- Drilling: PN 16
- Test standard: BS EN 12266-1 PN 16
- USP: Can be delivered with test plugs
  Compact settlement
  Cleaning without disassembling

Field of applications

- Temperature range: -10 to 120 °C
- Max. working pressure: 16 bar

- HVAC
- Hot and cold water plants
- Industrial Technologies
- Filtration systems, etc.

Description

FIVC Y-Strainer is designed to collect and prevent solid impurities from entering the pipeline that can cause malfunction and damage to the most sensitive plant components such as pumps, control valves, flow, and heat meters.

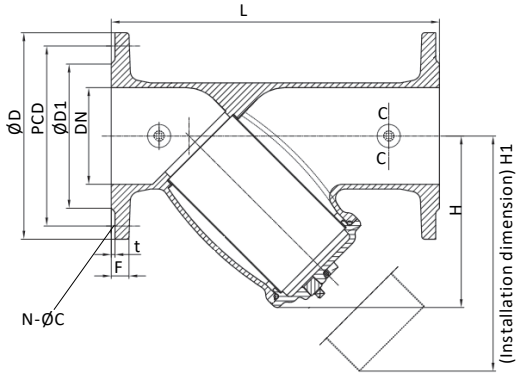
The strainer holds solid particles, debris, which dimensions exceed screen mesh. The collected debris can thereby be disposed and the filter can be cleaned without removing the strainer from the line. This strainer can be delivered with a test point plug by request, but as standard, the strainer is delivered without this device. The valve is suitable for water, steam, and gas.

Declaration

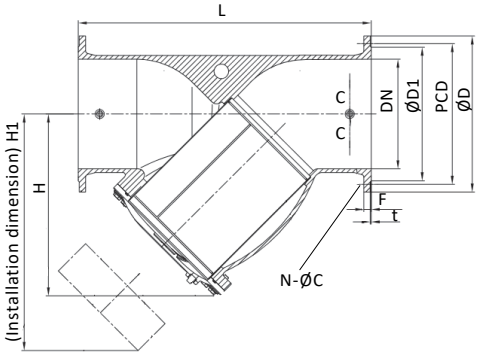
The product has been manufactured and tested per the European PED Directive No. 2014/68/EU, dated 15/05/2014 and is CE marked

Dimensions

DN 50 - 300



DN 350 - 600

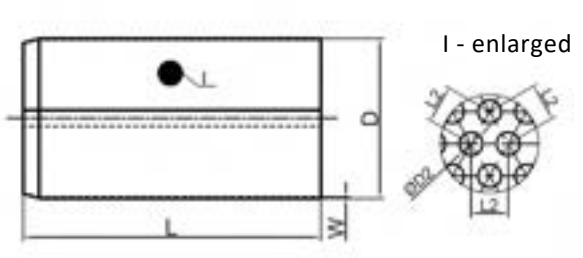


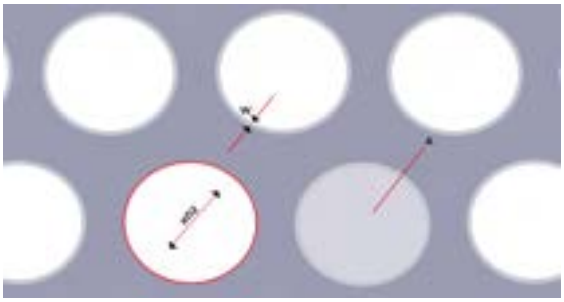
Product code	Size	L	H	H1	F	ØD1	ØD	PCD	N-ØC	t	KG
FYS050N16230	50	230	110	165	19	99	165	125	4-Ø19	3	6.4
FYS065N16230	65	290	135	205	19	118	185	145	4-Ø19	3	9.0
FYS080N16230	80	310	155	230	19	132	200	160	8-Ø19	3	11.3
FYS100N16230	100	350	190	295	19	156	220	180	8-Ø19	3	14.1
FYS125N16230	125	400	255	350	19	184	250	210	8-Ø19	3	21.3
FYS150N16230	150	480	290	400	19	211	285	240	8-Ø23	3	32.4
FYS200N16230	200	600	335	510	20	266	340	295	12-Ø23	3	52.7
FYS250N16230	250	730	428	665	22	319	405	355	12-Ø28	3	73.0
FYS300N16230	300	850	470	745	24.5	370	460	410	12-Ø28	3	103
FYS350N16230	350	980	625	940	26.5	429	520	470	16-Ø28	4	234
FYS400N16230	400	1100	685	1230	28	480	580	525	16-Ø31	4	306
FYS450N16230	450	1200	746	1110	30	548	640	585	20-Ø31	4	352
FYS500N16230	500	1250	845	1550	31.5	609	715	650	20-Ø34	4	434
FYS600N16230	600	1450	984	1560	36	720	840	770	20-Ø37	5	650

FIVC Y-Strainer

Ductile Iron – Y-Strainer – PN 16 – EN 1092-2

Screen Information



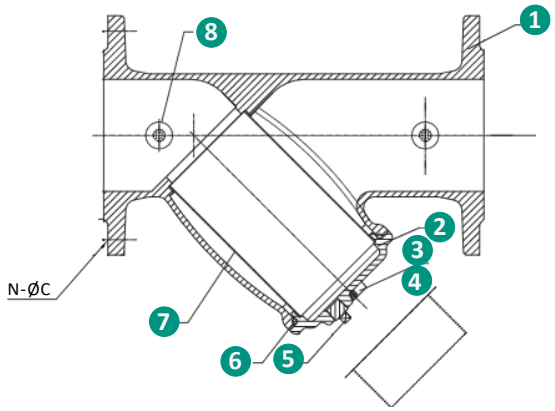


ST	Valve size	Mesh	ØD2	D	L	L2	W	A
		per inch²	*mm*	*mm*	*mm*	*mm*	*mm*	*%*
Perforated	50	104	1.5	48	99	2.5	0.8	28
	65			64	120.5			
	80			79	128			
	100			98.5	169.5			
	125			124	205			
	150			150.5	224			
	200	26	2.5	201	289.5	5	1.2	20
	250			249	386			
	300			298	416			
	350			367.5	520		1.4	
	400	22	3.5	412	580	5.5	1.8	33
	450			460	597			
	500			510	696			
	600			610	822			

ST: Screen type • Mesh: number of holes • ØD2: Aperture/inscribed hole diameter • D: Mesh diameter • L: Mesh length • L2: Hole spacing • W: Thickness of sheet • A: Opening area, where % is the flow area ratio in %

Product Specification

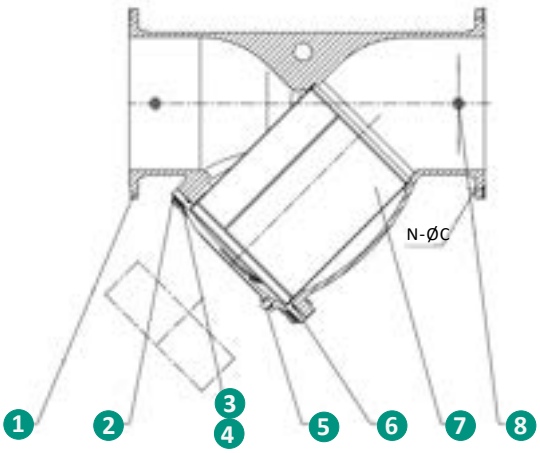
DN 50 - 300



N°	Name	Material
1	Body	Ductile Iron (EN-JS 1050)
2	Cover	Ductile Iron (EN-JS 1050)
3	Screw	Carbon Steel
4	Hex Nut	Carbon Steel
5	Drain plug	Stainless Steel SS201
6	O-Ring	EPDM
7	Screen	Stainless Steel SS304
8	Test Point Plug Rp 1/4	Stainless Steel SS304

**The test point plug R_1 can be produced acc. to any request. Please note that the plug is not included in the standard strainer, only by request.*

DN 350 - 600



N°	Name	Material
1	Body	Ductile Iron (EN-JS 1050)
2	Cover	Ductile Iron (EN-JS 1050)
3	Hex Nut	Carbon Steel
4	Plain Washer	Carbon Steel
5	Drain plug	Stainless Steel SS304
6	O-Ring	EPDM
7	Screen	Stainless Steel SS304
8	Test Point Plug Rp 1/4	Stainless Steel SS304

**The test point plug R_1 can be produced acc. to any request. Please note that the plug is not included in the standard strainer, only by request.*

FIVC Y-Strainer

Ductile Iron – Y-Strainer – PN 25 – EN 1092-2



FYS series

Technical data

Main features and materials

• Body:	Ductile Iron
• Cover:	Ductile Iron
• Screen:	Stainless Steel
• Sealing ring:	EPDM
• Coating:	Epoxy
• Dimensions:	Face-to-Face acc. to EN 558 *(series 1)*
• Closing tightness:	BS EN 12266-1 PN 25
• USP:	Can be delivered with test plugs Compact settlement Environment-friendly Cleaning without disassembling

Field of applications

• Temperature range:	-10 to 100 °C
• Max. working pressure:	25 bar

- Waste water
- Filtration system

Description

FIVC Y-Strainer is designed to collect and prevent solid impurities from entering the pipeline that can cause malfunction and damage to the most sensitive plant components such as pumps, control valves, flow, and heat meters. The strainer holds solid particles, debris, which dimensions exceed screen mesh.

The collected debris can thereby be disposed and the filter can be cleaned without removing the strainer from the line.

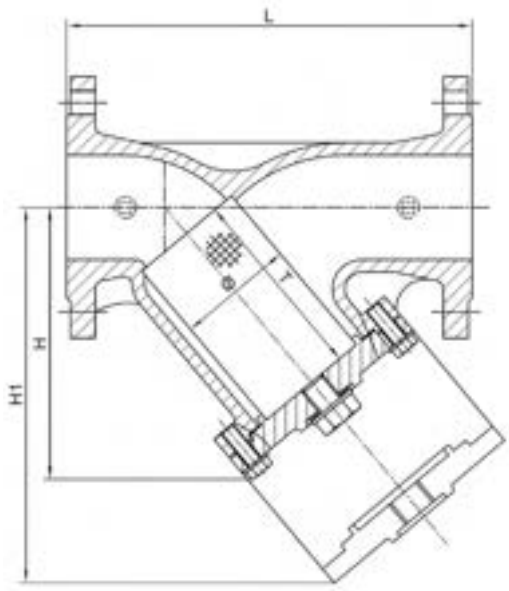
This strainer can be delivered with a test point plug by request, but as standard, the strainer is delivered without this device.

The valve is suitable for water, steam, and gas.

Declaration

The product has been inspected and tested per the European PED Directive N° 2014/68/EU, dated 15/05/2014.

Dimensions



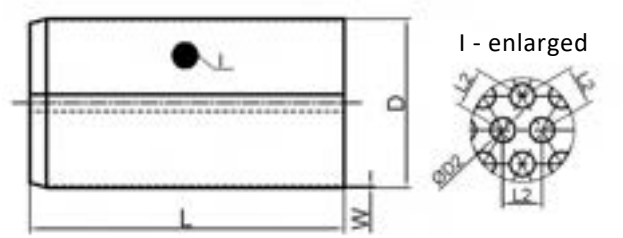
Product code	Size	L	H	H1	Ø	T	Kg
FYS050N25230	50	230	160	250	61.5	119	11
FYS065N25230	65	290	180	285	78.5	134	16
FYS080N25230	80	310	215	330	89.5	149	20
FYS100N25230	100	350	235	365	106	175	28.9
FYS125N25230	125	400	275	425	137.5	199	38.6
FYS150N25230	150	480	305	480	160	224	64.9
FYS200N25230	200	600	390	610	210	284	93.5
FYS250N25230	250	730	540	915	258	434	170
FYS300N25230	300	850	680	1110	308	555	273
FYS350N25230	350	980	740	1210	362	606	375
FYS400N25230	400	1100	845	1380	412	686	600
FYS450N25230	450	1200	840	1310	456	682	750
FYS500N25230	500	1250	908	1440	506	746	800
FYS600N25230	600	1450	1078	1740	606	930	1240

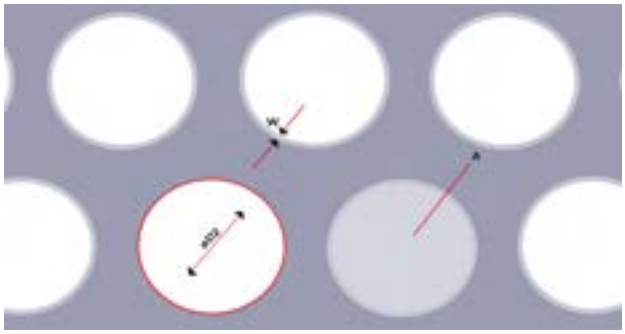
Dimensions are in millimeters • H1: Distance needed to take out the screen

FIVC Y-Strainer

Ductile Iron – Y-Strainer – PN 25 – EN 1092-2

Screen Information

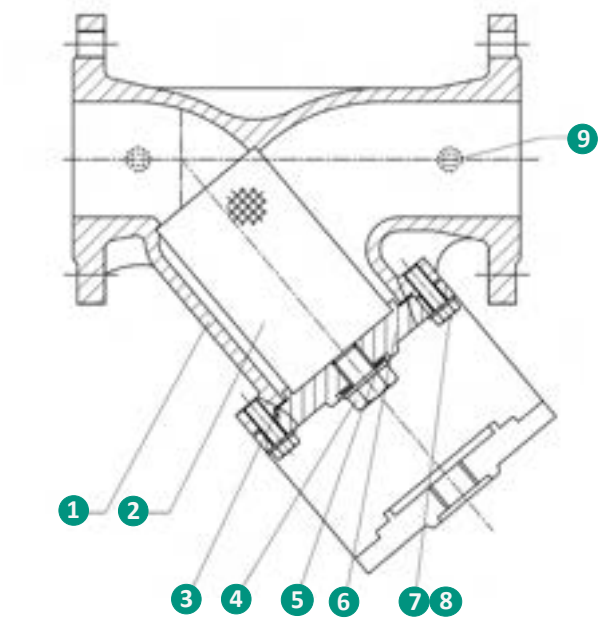




ST	Valve size	Mesh per inch²	ØD2 mm	D mm	L mm	Drain Inch	L2 mm	W mm	A mm²	A %
Perforated	50	104	1.5	61.5	119	G 1”	2.5	0.8	6753.9	28
	65			78.5	134	G 1”			9707.5	
	80			89.5	149	G 1”			12306.8	
	100			106	175	G 1-1/2”			17119.0	
	125			137.5	199	G 1-1/2”			25251.7	
	150			160	224	G 1-1/2”		1	33075.3	
	200	26	2.5	210	284	G 2”	5	1.2	38221.7	20
	250			258	434	G 2”			71759.9	
	300			308	555	G 2”			109551.0	
	350			362	606	G 2”		1.4	140589.8	
	400	22	3.5	412	686	G 2”	5.5	1.8	300399.6	33
	450			456	682	G 2”			330542.5	
	500			506	746	G 2”			401206.0	
	600			606	930	G 2”			599009.4	

ST: Screen type • Mesh: number of holes • ØD2: Aperture/inscribed hole diameter • D: Mesh diameter • L: Mesh length • L2: Hole spacing • W: Thickness of sheet • A: Opening area, where % is the flow area ratio in %

Product Specification



N°	Name	Material
1	Body	Ductile Iron EN-GJS-400 BS EN 1563
2	Screen	Stainless Steel BS EN 10088X5CrNi18-10
3	Sealing ring	EPDM
4	Plug	Carbon Steel Galvanized EN 100083-2 C45
5	Gasket	Steel+EPDM
6	Cover	Ductile Iron EN-GJS-400 BS EN 1563
7	Bolt	Carbon Steel Galvanized EN 100083-2 C45
8	Spring washer	Carbon Steel Galvanized EN 10132-4 C67S
9	Test point plug R_1 1/4”*	Stainless Steel BS EN 10088X5CrNi18-10

**The test point plug R_1 can be produced accc. to client’s demand, however this device is not included in the standard strainer.*

FIVC Basket Strainer

Ductile Iron – PN 16 – EN 1092-2



FBS series

Technical data

Main features and materials

- Body: Ductile Iron
- Cover: Ductile Iron
- Screen: Stainless Steel
- Gasket: EPDM
- USP: Projects plant components
  Compact settlement
  Environment-friendly
- Dimensions: Face-to-Face acc. to EN 1092-2
- Test: API 598

Field of applications

- Temperature range: -10 to 120 °C
- Max. working pressure: 16 bar

- Hot and cold water plants
- Industrial Technologies
- Heat and refrigerating, engineering and air-conditioning

Description

FIVC Basket Strainer is designed to collect and prevent solid impurities from entering the pipeline that can cause malfunction and damage to the most sensitive plant components such as pumps, control valves, flow, and heat meters. The strainer holds solid particles, debris, which dimensions exceeds screen mesh.

The collected debris can thereby be disposed and the filter can be cleaned without removing the strainer from the line.

Alternative Product Versions

Other Standards

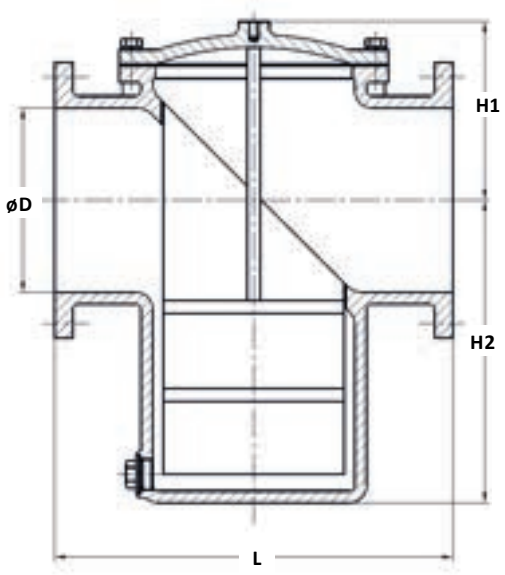
Gasket in NBR rubber

Temperature: -10-80°C

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014.

Dimensions



Product code	Size (DN)	øD	L	H1	H2	Kg
FBS050N16230	50	50	206	87	131	-
FBS065N16230	65	64	210	933	155	-
FBS080N16230	80	76	250	103	192	-
FBS100N16230	100	100	292	126	203	-
FBS125N16230	125	127	334	146	217	-
FBS150N16230	150	152	376	165	232	-
FBS200N16230	200	203	472	221.5	291.5	-
FBS250N16230	250	254	511	268	330	-
FBS300N16230	300	305	680	340	403	-
FBS350N16230	350	356	768.4	345	585	-
FBS400N16230	400	406	842	390	590	-
FBS450N16230	450	456	842	420	590	-
FBS500N16230	500	506	842	510	600	-
FBS600N16230	600	606	1054	515	974	-

Dimensions are in millimeters

Screen Information

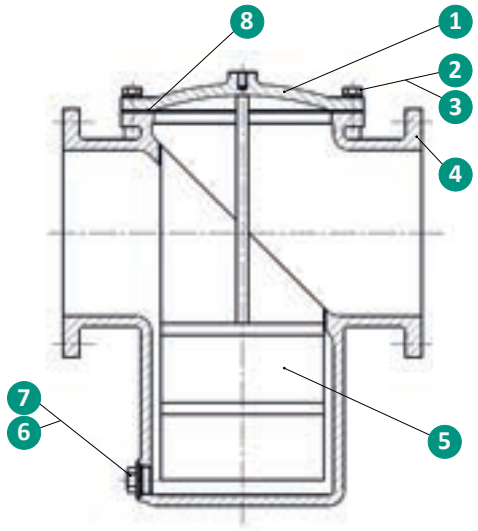
ST*	Mesh*	T*	øF*	Opening Area
	Per inch²	mm	mm	%
Perforated	104 (DN 50-80)	0.5	1.5	28.0
	40 (DN 100-350)	1 (DN 100-300)	3	43.8
		1.5 (DN 350)		
	12 (DN 400-600)	2	5	35.0

**ST: Screen type • Mesh: Number of holes • T: Wire thickness • øF: Inscribed hole diameter*

FIVC Basket Strainer

Ductile Iron – PN 16 – EN 1092-2

Product Specification



N°	Name	Material
1	Cover	Ductile Iron
2	Bolt	Stainless Steel SS304
3	Spring washer	Stainless Steel SS304
4	Body	Ductile Iron
5	Screen	Stainless Steel SS304
6	Plug	Stainless Steel SS304
7	Gasket	EPDM
8	Gasket	EPDM

CHECK VALVES



Feature	Efficient and reliable prevention of backflow in fluid systems.
Corrosion resistance	Of premium materials, exhibits exceptional resistance to corrosion, ensuring reliable performance.
Green responsibility	Conserves water and energy resources, ensuring fewer disruptions and repairs, reducing the need for resource-intensive maintenance activities and contributing to sustainable practices.
Space optimizer	Compact and efficient design, optimizing space utilization.
Adaptability	Versatile in application for easy integration into diverse systems and configurations.
Low maintenance	Engineered for longevity and reliability, requiring minimal maintenance, contributing to reduced downtime and operational costs.



- System protection
- Strength, weight lightness, and space requirement
- Low incidence of pressure losses
- Cost-, maintenance-, and installation efficiency

WRAS APPROVED PRODUCT

Available as

Swing

Silent

Dual-plate

ISH 2025

FIVC Dual Plate Check Valve

Ductile Iron – PN 16 – Wafer – EN 1092-2



FCH series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel/Ductile Iron
- Spring: Stainless Steel
- Seal: EPDM *(thickness equal 1.5-6 mm)*
- USP: WRAS approval
  Prevents the water hammer
  Compact settlement
  Cost and maintenance efficient
- Standards: BS 4504, AS 2129, BS10 E/D, JIS 10K
- Dimensions: Face-to-Face acc. to DIN 3202, ISO 5752-16, EN 558-1

Field of applications

- Max. temperature: -10 to 85 °C
- Max. working pressure: 16 bar

- Industrial Technologies
- Hot and cold water plants
- Heat and refrigerating, engineering and air-conditioning

Description

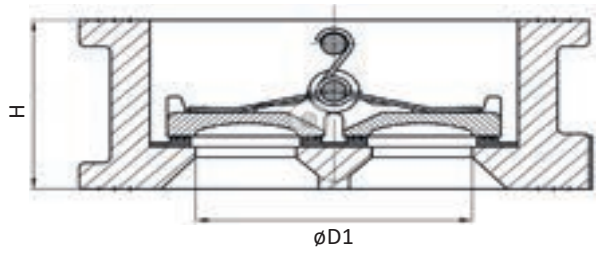
FIVC Dual Plate Wafer Check Valve is designed as a single-direction device, which eliminates the return of pressurized fluid. The valve is manufactured in accordance with the most severe product norms. With its innovative construction, the valve features several benefits and provides cost-, maintenance, and installation efficiency. The valve is known for compact settlement and does prevent the water hammer phenomenon. The valve can be used for water.

Declaration

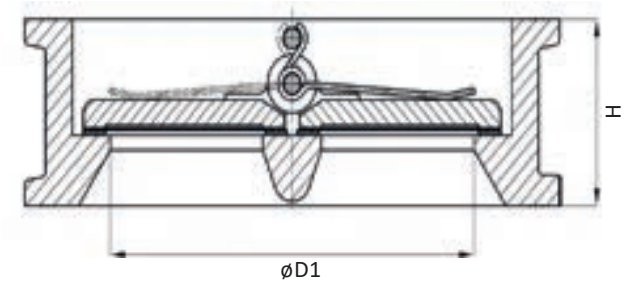
The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014.

Dimensions

DN 50-150



DN 200-600



Product Information

Product code	Size *(DN)*	H	øD1	Kg
FCH050N16DP231	50	43	Ø43	-
FCH065N16DP231	65	46	Ø59	-
FCH080N16DP231	80	64	Ø70	-
FCH100N16DP231	100	64	Ø88	-
FCH125N16DP231	125	70	Ø115	-
FCH150N16DP231	150	76	Ø134	-
FCH200N16DP231	200	89	Ø182	-
FCH250N16DP231	250	114	Ø220	-
FCH300N16DP231	300	114	Ø260	-
FCH350N16DP231	350	127	Ø298	-
FCH400N16DP231	400	140	Ø350	-
FCH450N16DP231	450	152	Ø385	-
FCH500N16DP231	500	152	Ø438	-
FCH600N16DP231	600	178	Ø538	-

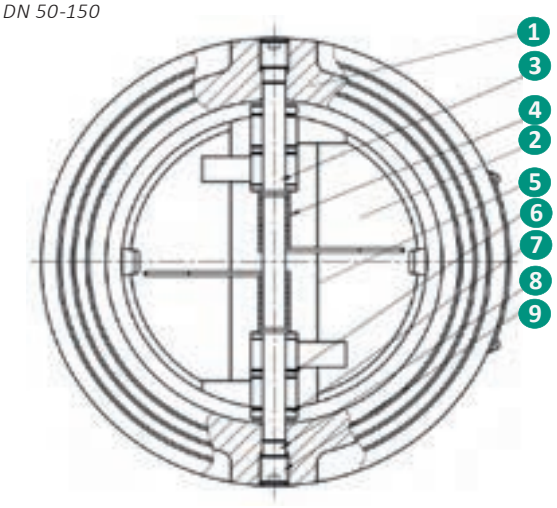
**Dimensions are in millimeters*

FIVC Dual Plate Check Valve

Ductile Iron – PN 16 – Wafer – EN 1092-2

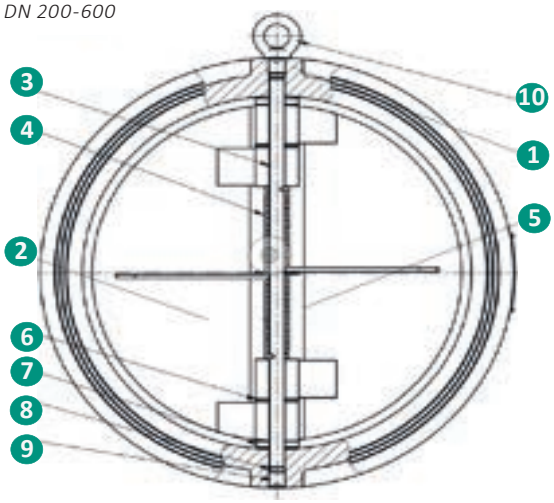
Product Specification

DN 50-150



N°	Name	Material
1	Body	Ductile Iron A536 Gr. 65-45-12
2	Disc	Ductile Iron A536 Gr. 65-45-12 / Stainless Steel A351 CF8
3	Shaft	Stainless Steel BS 970 316S11
4	Spring	Stainless Steel BS 970 316S11
5	Seat	EPDM
6	Gasket	Bronze B62 C83600
7	Washer	Bronze B62 C83600
8	Shaft seal	EPDM
9	Allen screws	Stainless Steel 304S15 BS 970
10	Lifting bolt *Only 200-600*	Stainless Steel 304S15 BS 970

DN 200-600



FIVC Dual Plate Check Valve

Ductile Iron – PN 25 – Wafer – EN 1092-2



FCH series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel/Ductile Iron
- Spring: Stainless Steel
- Seal: EPDM
  (thickness equal 1.5-6 mm)
- USP: WRAS approval
  Prevents the water hammer
  Compact settlement
  Cost and maintenance efficient
- Standards: BS 4504, AS 2129, BS10 E/D, JIS 10K
- Dimensions: Face-to-Face acc. to DIN 3202, ISO 5752-16, EN 558-1

Field of applications

- Temperature range: -10 to 85 °C
- Max. working pressure: 25 bar

- Industrial Technologies
- Hot and cold water plants
- Heat and refrigerating, engineering and air-conditioning

Description

FIVC Dual Plate Wafer Check Valve is manufactured in accordance with the most severe product norms. With its innovative construction, the valve features several benefits and provides cost-, maintenance, and installation efficiency. The valve is known for compact settlement and does prevent the water hammer phenomenon.

Alternative Product Versions

Other Standards

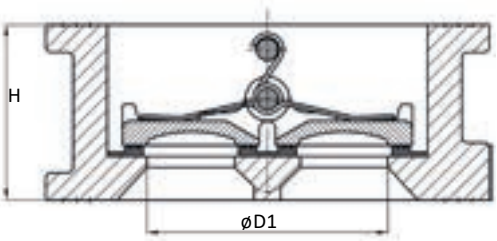
Disc in Ductile Iron A536 Gr. 65-45-12

Declaration

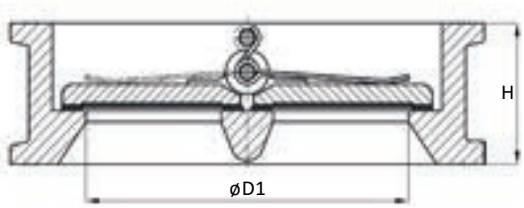
The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014.
This valve is WRAS-approved.

Dimensions

DN 65-150



DN 200-600



Product code	Size	H	øD1	Kg
FCH065N25DP231	65	46	Ø59	-
FCH080N25DP231	80	64	Ø70	-
FCH100N25DP231	100	64	Ø88	-
FCH125N25DP231	125	70	Ø115	-
FCH150N25DP231	150	76	Ø134	-
FCH200N25DP231	200	89	Ø182	-
FCH250N25DP231	250	114	Ø220	-
FCH300N25DP231	300	114	Ø260	-
FCH350N25DP231	350	127	Ø298	-
FCH400N25DP231	400	140	Ø350	-
FCH450N25DP231	450	152	Ø385	-
FCH500N25DP231	500	152	Ø438	-
FCH600N25DP231	600	178	Ø538	-

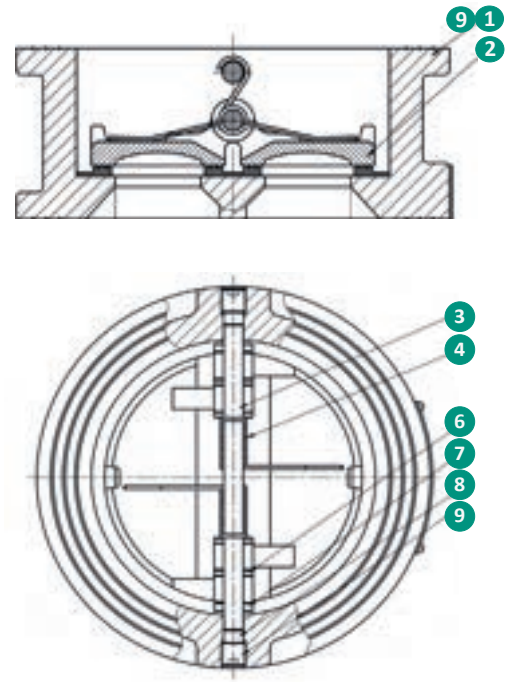
Dimensions are in millimeters

FIVC Dual Plate Check Valve

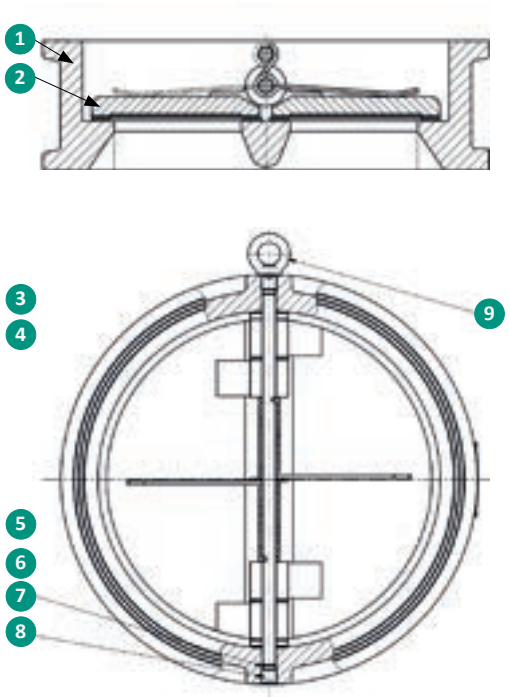
Ductile Iron – PN 25 – Wafer – EN 1092-2

Product Specification

DN 65-150



DN 200-600



N°	Name	Material
1	Body	Ductile Iron A536 Gr. 65-45-12
2	Disc	Stainless Steel A351 CF8M
3	Shaft	Stainless Steel BS 970 316S11
4	Spring	Stainless Steel BS 970 316S11
5	Seat	EPDM
6	Gasket	Bronze B62 C83600
7	Washer	Bronze B62 C83600
8	Shaft seal	EPDM
9	Allen screws	Stainless Steel 304S15 BS 970
10	Lifting bolt *Only DN 200 and above*	Stainless Steel 304S15 BS 970

FIVC Dual Plate Check Valve

Grey Cast/Ductile Iron – PN 16 – Wafer – EN 1092-2



FCH series

Technical data

Main features and materials

- Body: DN 50-300: Grey Cast Iron; DN 350-600: Ductile Iron
- Disc: Stainless Steel
- Spring: Stainless Steel
- Seat: EPDM
- Finish: RAL 5015 *(min. 250 microns)*
- Pressure test: API 598 DIN 3230
- Dimensions: Face-to-Face acc. to DIN 3202 K3 *(EN 558-1 row 16)*
- Drilling: EN 1092-2 PN 16
- USP: Strength, weight lightness, and compactness. Cost-, installation, and maintenance efficient.

Field of applications

- Temperature range: -15 to 120 °C
- Max. working pressure: 16 bar
- Industrial Technologies
- HVAC

Description

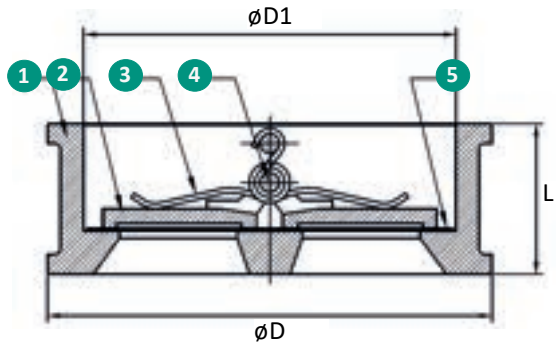
The FIVC Dual Plate Check Valve is designed to be installed in pipelines for eliminating the return of pressurized fluid. Benefits of using the wafer check valve is its strength, weight lightness, and space requirement.
Besides, it contributes to cost-, maintenance-, and installation efficiency.

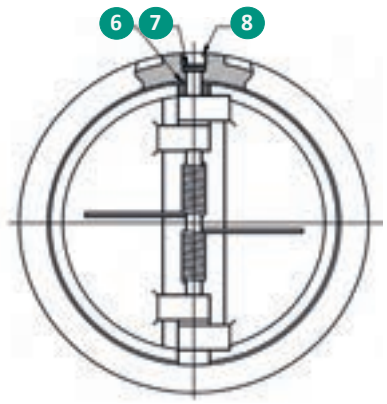
This valve is suitable for water.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014.

Dimensions





Product code	Size	ØD	øD1	L	Kg
FCH050C16DP210	50	109	70.5	43	1.5
FCH065C16DP210	65	129	80	46	2.3
FCH080C16DP210	80	144	98	64	3.6
FCH100C16DP210	100	164	117	64	4.35
FCH125C16DP210	125	194	145	70	6
FCH150C16DP210	150	220	172	76	8.6
FCH200C16DP210	200	275	221	89	15.2
FCH250C16DP210	250	330	275.5	114	24
FCH300C16DP210	300	386	325.5	114	35
FCH350N16DP210	350	446	361	127	58
FCH400N16DP210	400	498	412	140	71
FCH450N16DP210	450	558	468	152	98
FCH500N16DP210	500	620	515	152	125
FCH600N16DP210	600	737	624	178	170

Dimensions are in millimeters

Product Specification

N°	Name	Material
1	Body	DN 50-300: Grey Cast Iron GG 25 DIN 1691 DN 350-600: Ductile Iron GGG 40 DIN 1693
2	Disc	Stainless Steel CF8 ASTM A351
3	Spring	Stainless Steel 304
4	Shaft	Stainless Steel 304
5	Seat	EPDM
6	Washer	PTFE
7	Sealing	NBR
8	Screw	Carbon Steel Q235

FIVC Dual Plate Check Valve

Ductile Iron – PN 25 – Wafer – EN 1092-2



FCH series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Spring: Stainless Steel
- Seat: EPDM
- Finish: RAL 5015 *(min. 250 microns)*
- Pressure test: API 598 DIN 3230
- Dimensions: Face-to-Face acc. to DIN 3202 K3 *(EN 558-1 row 16)*
- Drilling: EN 1092-2 PN 25
- USP: Strength, Weight lightness, and Compactness. Cost-, installation, and maintenance efficient.

Field of applications

- Temperature range: -15 to 120 °C
- Max. working pressure: 25 bar

- Industrial Technologies
- Hot and cold water plants
- Heat and refrigerating, engineering and air-conditioning

Description

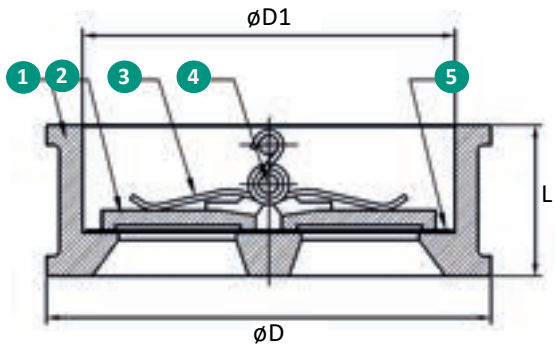
The FIVC Dual Plate Wafer Check Valve is designed to be installed in pipelines for eliminating the return of pressurized fluid. Benefits of using the wafer check valve is its strength, weight lightness, and space requirement.
Besides, it contributes to cost-, maintenance-, and installation efficiency.

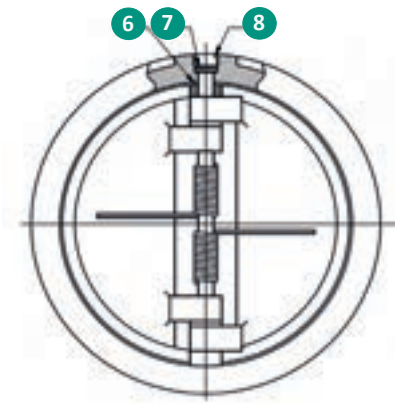
This valve is suitable for water.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014.

Dimensions





Product code	Size	øD	øD1	L	Kg
FCH050N25DP210	50	109	70.5	43	1.6
FCH065N25DP210	65	129	80	46	2.5
FCH080N25DP210	80	144	98	64	3.9
FCH100N25DP210	100	164	117	64	4.7
FCH125N25DP210	125	196	145	70	6.5
FCH150N25DP210	150	226	172	76	9.3
FCH200N25DP210	200	286	221	89	16.4
FCH250N25DP210	250	343	275.5	114	25.9
FCH300N25DP210	300	403	325.5	114	38
FCH350N25DP210	350	460	361	127	61.5
FCH400N25DP210	400	517	412	140	77
FCH450N25DP210	450	567	468	152	105.8
FCH500N25DP210	500	627	515	152	135
FCH600N25DP210	600	734	624	178	183

Dimensions are in millimeters

Product Specification

N°	Name	Material
1	Body	Ductile Iron GGG 40
2	Disc	Stainless Steel CF8
3	Spring	Stainless Steel 304
4	Shaft	Stainless Steel 304
5	Seat	EPDM
6	Washer	PTFE
7	Sealing	NBR
8	Screw	Carbon Steel Q235

FIVC Silent Check Valve

Grey Cast Iron – PN 16 – Wafer – EN 1092-2



FCH series

Technical data

Main features and materials

- Body: Grey Cast Iron
- Guide: Ductile Iron
- Disc: Ductile Iron
- Guiding stem: Copper Alloy
- Spring: Stainless Steel
- Seal: EPDM
- USP: Silent closing
  Allows installation in all positions
  Low head loss
  No maintenance

Field of applications

- Temperature range: -10 to 120 °C
- Max. working pressure: 16 bar

- Petrochemical industry
- Irrigation systems
- Mining and infrastructure industries
- Shipyard industry
- Compressed air
- Low-pressure steam plants
- Mechanical industry
- Steam applications
- Hot and cold water plants
- Air conditioning systems

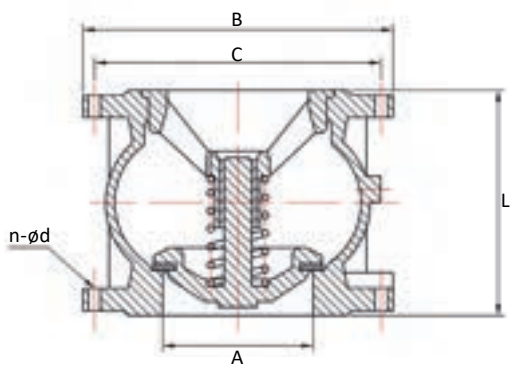
Description

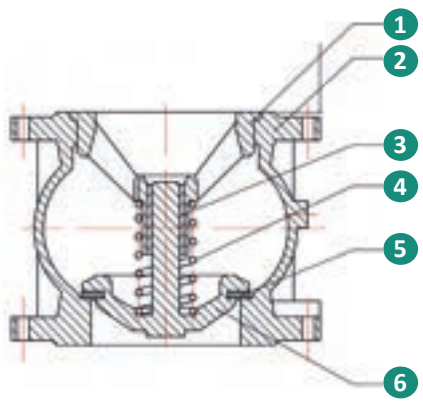
FIVC Silent Check Valve is designed as a single-direction device, which eliminates the return of pressurized fluid.
Benefits of using a silent check valve is the valve's ability to close silently with help of its preloaded spring, preventing the water hammer phenomenon.
Further, the valve ensures reliability without manual operation or energy performance.
With its innovative construction, the valve features several benefits and provides cost-, maintenance, and installation efficiency.
The valve can be used for water.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014.

Dimensions





Product Information

Product code	Size (DN)	L*	A*	B*	C*	n-ød*	Kg
FCH050C16SC220	50	100	50	165	125	4-18.5	-
FCH065C16SC220	65	120	65	185	145	4-18.5	-
FCH080C16SC220	80	140	80	200	160	8-18.5	-
FCH100C16SC220	100	170	101	220	180	8-18.5	-
FCH125C16SC220	125	200	127	250	210	8-18.5	-
FCH150C16SC220	150	230	145.5	285	240	8-23	-
FCH200C16SC220	200	301	194	340	295	12-23	-
FCH250C16SC220	250	370	245	405	355	12-28	-
FCH300C16SC220	300	410	300	460	410	12-28	-

**Dimensions are in millimeters*

Product Specification

N°	Name	Material
1	Guide	Ductile Iron GGG 40 CuZn40Pb2
2	Body	Grey Cast Iron GG 25
3	Guiding stem	Copper Alloy CuZn40Pb2
4	Spring	Stainless Steel
5	Seal	EPDM
6	Disc	Ductile Iron GGG 40 CuZn40Pb2

FIVC Swing Check Valve

Bronze – PN 20 – Screwed Cap – WRAS – ISO 228-1



FCH series

Technical data

Main features and materials

• Body:	Bronze
• Cap:	Bronze
• Disc:	EPDM
• Hinge:	Bronze
• Standard:	BS 5154
• USP:	WRAS approval

Field of applications

• Temperature range:	-10 to 80 °C
• Non-WRAS:	-10 to 100 °C
• Max. working pressure:	20 bar

- Potable water systems
- HVAC
- LTHW
- CHW

Description

FIVC Swing Check Valve is designed as a single-direction device, which eliminates the return of pressurized fluid. Since these valves function via the gravitational force that acts on the tilting disc, there is no universal guideline as to where these should be positioned.

The advantage of these valves is the low incidence of losses of pressure due to the rounded shape of the valve body and the large passage section, which is obtained via the oscillation of the disc; these elements also mean that they are extremely quiet.

The valve can be used for water, oil and steam.

Alternative Product Versions

Other Standards

ANSI - ASME B1.20.1 - NPT

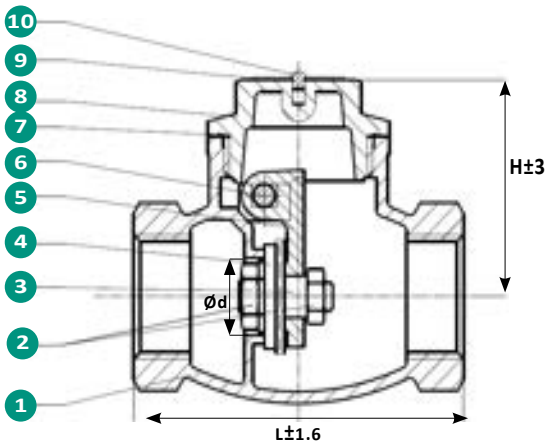
ISO 7/1 threads

Declaration

The product has been manufactured and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

This valve is WRAS approved.

Dimensions



Product code	Size	d	L	H	Kg
FCH015O20CS1121	15	ø13	58	37.0	0.3
FCH020O20CS1121	20	ø19	66	43.0	0.4
FCH025O20CS1121	25	ø25	76	49.0	0.6
FCH032O20CS1121	32	ø32	88	57.5	0.9
FCH040O20CS1121	40	ø39	96	63.0	1.2
FCH050O20CS1121	50	ø50	112	72.0	1.8

Dimensions are in millimeters

Product Specification

N°	Name	Material
1	Body	Bronze CC491K
2	Hinge nut	Brass CW614N
3	Disc holder	DZR Brass CW602N DN 15-25
3	Disc holder	Bronze CC491K DN 32-50
4	Disc	EPDM
5	Hinge	Bronze CC491K
6	Hinge pin	Stainless Steel SS 304
7	Packing	PTFE
8	Cap	Bronze CC491K
9	ID plate	Aluminium
10	Drive screw	TP2

FIVC Swing Check Valve

Bronze – PN 20 – Screwed Cap – ISO 228-1



FCH series

Technical data

Main features and materials

- Body: Bronze
- Cap: Bronze
- Disc: Brass/Bronze
- Hinge: Bronze
- Standard: BS 5154

Field of applications

- Temperature range: -10 to 100 °C
  7 bar at 170 °C
- Max. working pressure: 20 bar

- HVAC
- CHW
- LTHW
- MTHW
- Water distribution
- Steam applications
- Oil distribution

Description

FIVC Swing Check Valve is designed as a single-direction device, which eliminates the return of pressurized fluid. Since these valves function via the gravitational force that acts on the tilting disc, there is no universal guideline as to where these should be positioned.

The advantage of these valves is the low incidence of losses of pressure due to the rounded shape of the valve body and the large passage section, which is obtained via the oscillation of the disc; these elements also mean that they are extremely quiet.

The valve can be used for Water, Oil, and Steam respectively.

Alternative Product Versions

Other Standards

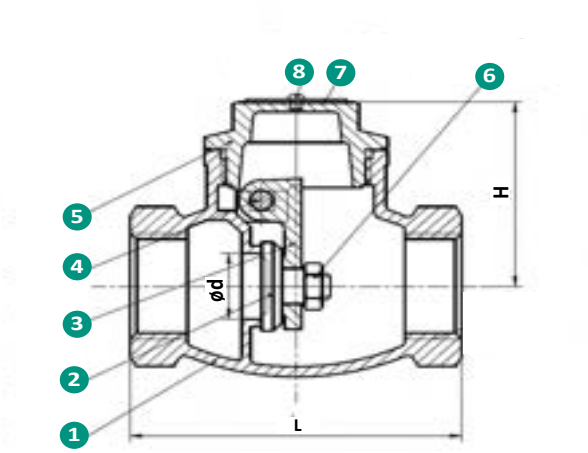
ANSI - ASME B1.20.1 - NPT

ISO 7/1 threads

Declaration

The product has been manufactured and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



Product code	Size	L	H	d	Kg
FCH015O20CS0921	15	58	37.0	13	0.3
FCH020O20CS0921	20	66	43.0	19	0.4
FCH025O20CS0921	25	76	49.0	25	0.6
FCH032O20CS0921	32	88	57.5	32	0.9
FCH040O20CS0921	40	96	63.0	39	1.2
FCH050O20CS0921	50	112	72.0	50	1.8

Dimensions are in millimeters

Product Specification

N°	Name	Material
1	Body	Bronze CC491K BS EN 1982
2	Disc (DN 15 - DN 25) Disc (DN 32 - DN 50)	DZR Brass CW602N BS EN 12164 Bronze CC491K BS EN 1982
3	Hinge	Bronze CC491K BS EN 1982
4	Hinge pin	Stainless Steel SS 201
5	Cap	Bronze CC491K BS EN 1982
6	Hinge nut	Brass CW617N BS EN 12164
7	ID plate	Aluminium
8	Drive screw	Aluminium

FIVC Swing Check Valve

Ductile Iron – PN 16 – Bolted Bonnet – EN 1092-2



Technical data

Main features and materials

• Body:	Ductile Iron
• Bonnet:	Ductile Iron
• Disc:	Ductile Iron
• Seat:	Brass
• Coating:	Epoxy *(200 um)*
• Dimensions:	Face-to-Face acc. to DIN 3202-F6
• Drilling:	Flanges acc. to DIN 2533/ EN 1092
• Design:	DIN 3356
• Pressure test:	ISO 5208
• USP:	Low incidence of losses, system efficiency

Field of applications

• Temperature range:	0 to 90 °C
• Max. working pressure:	16 bar

FCH series

- HVAC
- Industrial water
- Other various industries

Description

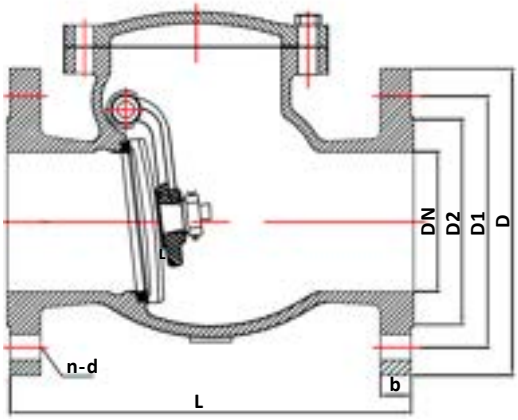
FIVC Swing Check Valve is designed as a single-direction device, which eliminates the return of pressurized fluid.
Benefits of using the check valves include the improved system efficiency and reduced costs.

This valve features a low incidence of losses of pressure due to the rounded shape of the valve body and the large passage section, which is obtained via the oscillation of the disc.
This valve is suitable for Water, Oil, and Gas.

Declaration

The product has been manufactured and tested in accordance with the European PED Directive Nº 2014/68/EU, dated 15/05/2014.

Dimensions



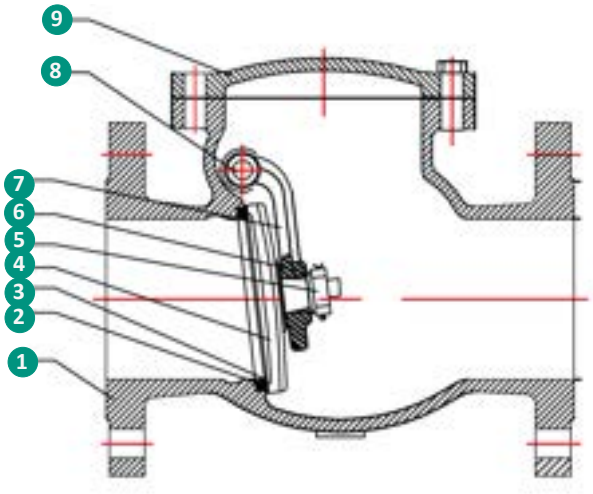
Product code	Size	L	D	D1	D2	b	n-d	H	Kg
FCH050C16CB217	50	200	165	125	102	20	4-19	137	11
FCH065C16CB217	65	240	185	145	122	20	4-19	147	14
FCH080C16CB217	80	260	200	160	138	22	8-19	159	18
FCH100C16CB217	100	300	220	180	158	24	8-19	180	24
FCH125C16CB217	125	350	250	210	188	26	8-19	203	35
FCH150C16CB217	150	400	285	240	212	26	8-23	223	45
FCH200N16CB217	200	500	340	295	268	30	12-23	258	82
FCH250N16CB217	250	600	405	355	320	32	12-26	290	100
FCH300N16CB217	300	700	460	410	378	32	12-26	325	165

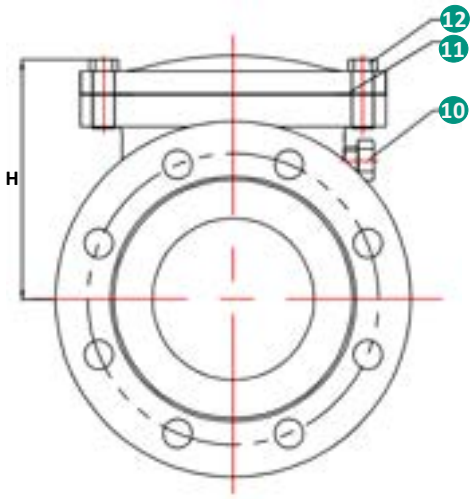
Dimensions are in millimeters

FIVC Swing Check Valve

Ductile Iron – PN 16 – Bolted Bonnet – EN 1092-2

Product Specification





N°	Name	Material
1	Body	Ductile Iron GGG 50 DIN EN 1563
2	Body seat	Brass CuZn40 EN 12163
3	Disc seat	Brass CuZn40 EN 12163
4	Disc	Ductile Iron GGG 50 DIN EN 1563
5	Cap	Steel 40 Cr EN 10083-3 41Cr4
6	Washer	Steel 40 Cr EN 10083-3 41Cr4
7	Plug	Ductile Iron GGG 50 DIN EN 1563
8	Plug axel	Stainless Steel 2Cr13 DIN 17440 X20Cr13
9	Bonnet	Ductile Iron GGG 50 DIN EN 1563
10	Bolt	Steel 40 Cr EN 10083-3 41Cr4
11	Gasket	Graphite
12	Bolt	40 Cr EN 10083-3 41Cr4

GLOBE VALVES



Feature	Precise flow regulation and control, making it ideal for applications that demand accurate flow management, with its globe-shaped design and throttling capability.
Corrosion resistance	Exceptional resistance to corrosion, ensuring reliability and longevity.
Green responsibility	Designed for optimal flow efficiency with minimal energy loss, contributing to sustainable operations and cost savings.
Adaptability	Easy adaptability provides a reliable solution for simple and complex system requirements.
Low maintenance	Requires minimal upkeep due to its robust design and quality materials, reducing downtime and lifecycle costs.



- Excellent shut-off and throttling capability
- Durable
- System Stability
- Cost-, maintenance-, and installation efficiency

WRAS APPROVED PRODUCT

ISH 2025

FIVC Globe Valve

Bronze – PN 16 – Rising Stem – ISO 228



FGL series

Technical data

Main features and materials

- Body: Bronze CC491K
- Bonnet: Brass CW617N
- Disc: Brass CW617N
- Stem: Brass CW617N
- Handwheel: Steel

Field of applications

- Temperature range: 0 to 100 °C
- Max. temperature w/saturated steam: 170 °C
- Max. working pressure: 16 bar
- Petrochemical industry
- Irrigation systems
- Mining and infrastructure industries
- Shipyard industry
- Compressed air
- Textile industry
- Mechanical industry
- Steam applications
- Other various industries

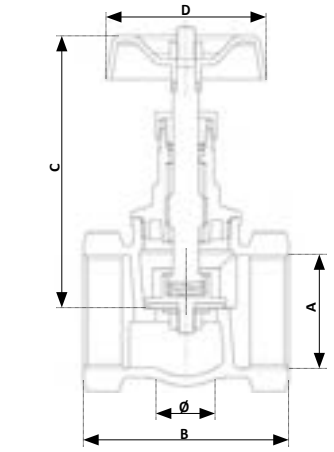
Description

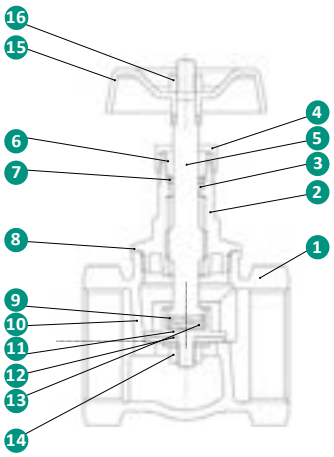
FIVC Globe Valve is designed for isolating and opening the flow in the pipeline. With its robust construction and compact settlement, the FIVC Globe Valve does provide the best solution for the regulation of the flow.

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive Nº 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions





Product Information

Product code	Size (DN)	B*	C*	D*	Ø*	Kg
FGL015O16RS	15	50	71	50	11	0.306
FGL020O16RS	20	55	77	50	13	0.463
FGL025O16RS	25	64	90	60	19	0.64
FGL032O16RS	32	73	103	60	23	0.988
FGL040O16RS	40	83	113	70	29	0.95
FGL050O16RS	50	88	132	80	36	2.072

**Dimensions are in millimeters*

Product Specification

N°	Name	Material
1	Body	Bronze CC491K UNI EN 1982:200
2	Bonnet	Brass CW617N UNI EN 12165
3	O-Ring	NBR
4	Nut	Brass CW617N UNI EN 12165
5	Stem	Brass CW614N UNI EN 12164
6	Packing	PTFE
7	Washer	Brass CW614N UNI EN 12164
8	Washer	PTFE
9	Spring	Stainless Steel
10	Ring nut	Brass CW617N UNI EN 12165
11	Disc	Brass CW617N UNI EN 12165
12	Disc gasket	PTFE
13	Washer	Brass CW614N UNI EN 12164
14	Nut	Brass CW614N UNI EN 12164
15	Handwheel	Steel - Red coated
16	Wheel nut	Zinc-plated Steel

FIVC Globe Valve

Bronze – PN 16 – Rising Stem – ISO 228



FGL series

Technical data

Main features and materials

- Body: Bronze
- Disc: Bronze
- Bonnet: Bronze
- Stem: Brass
- Handwheel: Aluminium

Field of applications

- Temperature range: -10 to 100 °C
  7 bar at 170 °C
- Max. working pressure: 16 bar

- HVAC
- Water distribution
- Waste water treatment
- Cooling systems
- Industrial technologies
- Other various industries

Description

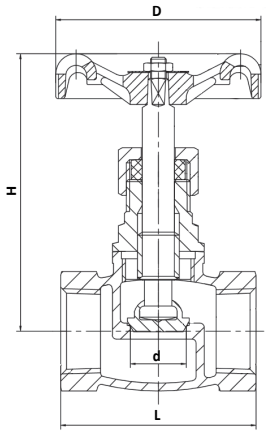
The FIVC Globe Valve is designed as a spherical valve to be installed in pipelines for isolating and regulating purposes. It is primarily used to ensure dependable throttle and shutoff functions in throttling flow applications.

Benefits of using the globe valve include its shut-off as well as throttling capability.
The slow opening and closing operation requires multiple turns of the handwheel, which prevents the occurrence of a water hammer. This valve is suitable for water.

Declaration

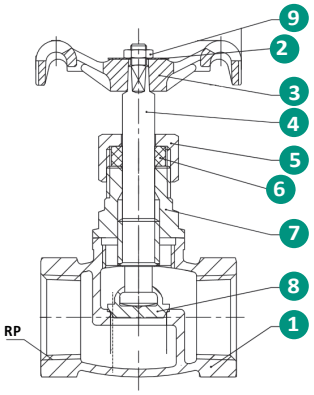
The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



Product code	Size	L	D	d	H
FGL015O16RS21	15	49	52	14	71
FGL020O16RS21	20	56	60	14	73
FGL025O16RS21	25	66	65	19	87
FGL032O16RS21	32	74	70	24	90
FGL040O16RS21	40	85	78	32	110
FGL050O16RS21	50	100	92	38	124

Dimensions are in millimeters



Product Specification

N°	Name	Material
1	Body	Bronze CC491K
2	ID Plate	Aluminium
3	Handwheel	Aluminium
4	Stem	DZR Brass CW602N
5	Packing Nut	Brass CW614N
6	Packing	PTFE
7	Bonnet	Bronze CC491K
8	Disc	Bronze CC491K
9	Handwheel Nut	Mild Steel

FIVC Globe Valve

Bronze – PN 25 – Rising Stem – Union bonnet – ISO 228



FGL series

Technical data

Main features and materials

• Body:	Bronze CB491K
• Bonnet:	Brass CW617N
• Union bonnet:	Brass CW617N
• Disc:	Bass CW617N
• Stem:	Brass CW617N
• O-Ring:	AF/15/MA - Patented
• Handwheel:	Aluminium

Field of applications

• Temperature range:	-10 to 100 °C
• Saturated steam line:	186 °C at 10.5 bar
• Max. working pressure:	25 bar

- HVAC
- CHW
- Cooling systems
- Industrial technologies

Description

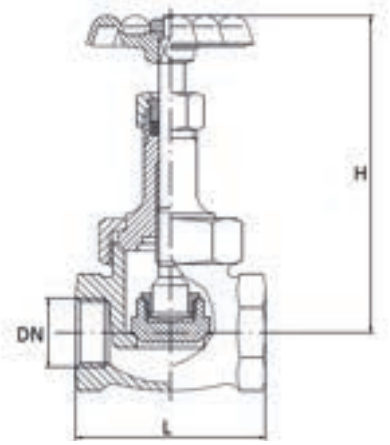
The FIVC Globe Valve is designed as a spherical valve to be installed in pipelines for isolating and regulating purposes. It is primarily used to ensure dependable throttle and shutoff functions in throttling flow applications.

Benefits of using the globe valve include its shut-off as well as throttling capability.
The slow opening and closing operation requires multiple turns of the handwheel, which prevents the occurrence of a water hammer. This valve is suitable for water.

Declaration

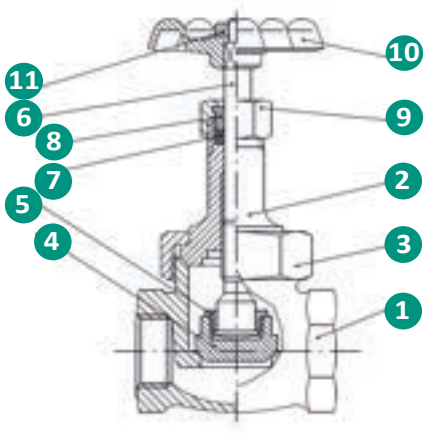
The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



Product code	Size	L	H	Kg
FGL015O25RU01	15	56	105	0.36
FGL020O25RU01	20	62	135	0.68
FGL025O25RU01	25	74	150	1.00
FGL032O25RU01	32	91	170	1.48
FGL040O25RU01	40	100	195	1.85
FGL050O25RU01	50	128	220	2.85

Dimensions are in millimeters



Product Specification

N°	Name	Material
1	Body	Bronze CB491K UNI EN1982
2	Bonnet	Brass CW617N UNI EN12165
3	Union bonnet	Brass CW617N UNI EN12165
4	Disc	Brass CW614N UNI EN12164
5	Disc ring	Brass CW614N UNI EN12164
6	Stem	Brass CW614N UNI EN12164
7	Packing	AF/15/MA (Patented)
8	Packing gland	Brass CW614N UNI EN12164
9	Packing nut	Brass CW614N UNI EN12164
10	Handwheel	Aluminium GD12FE UNI EN1706
11	Wheel nut	Steel S6 UNI 5589

FIVC Globe Valve

Grey Cast Iron – PN 16 – Rising Stem – EN 1092-2



FGL series

Technical data

Main features and materials

- Body: Grey Cast Iron
- Bonnet: Grey Cast Iron
- Disc: Stainless Steel
- Stem: Stainless Steel
- Handwheel: Ductile Iron
- Standard: Design acc. to DIN 3356
- Dimensions: Face-to-Face acc. to EN 558-1 *(series 1)*

Field of applications

- Temperature range: -10 to 300 °C
- Max. working pressure: 16 bar

- Petrochemical industry
- Irrigation systems
- Mining and infrastructure industries
- Shipyard industry
- Compressed air
- Textile industry
- Mechanical industry
- Steam applications
- Other various industries

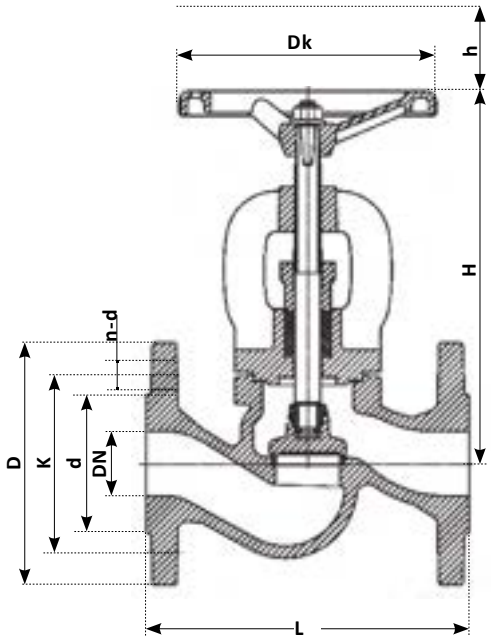
Description

FIVC Globe Valve is designed for isolating and opening the flow in the pipeline.
With its robust construction and compact settlement, the FIVC Globe Valve does provide the best solution for the regulation of the flow.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, Module H, dated 15/05/2014 and is CE marked.

Dimensions



Product Information

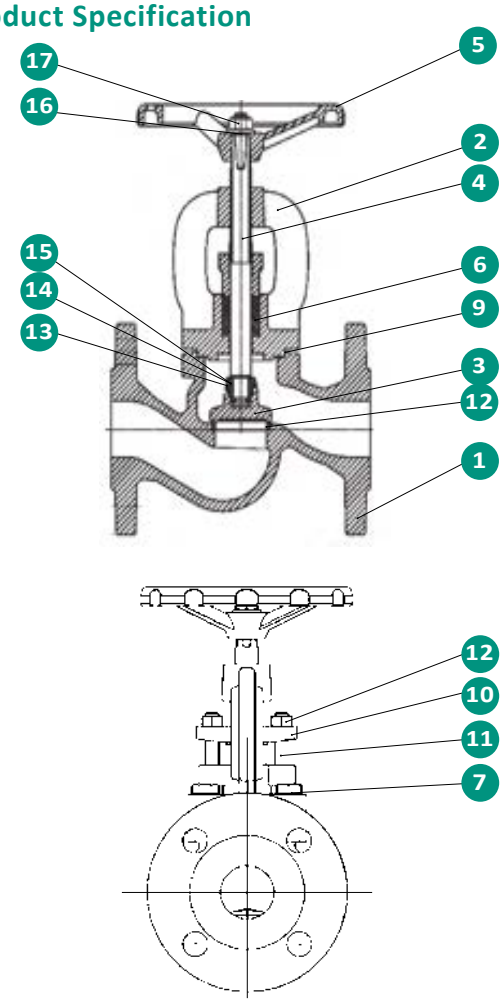
Product code	Size *(DN)*	D*	d*	K*	nxdo*	Dk*	h*	L*	H*	Kv *(m^3/h)*	Kg
FGL065C16RB04	65	185	118	145	4x19	180	35	290	260	79	17.3
FGL080C16RB04	80	200	132	160	8x19	200	41	310	291	115	22.7
FGL100C16RB04	100	220	156	180	8x19	250	31	350	338	181	35.8
FGL125C16RB04	125	250	284	210	8x19	250	48	400	373	225	52.8
FGL150C16RB04	150	285	211	240	8x23	320	54	480	429	364	74.2
FGL200C16RB04	200	340	266	295	12x23	360	77	600	529	690	126
FGL250C16RB04	250	405	319	355	12x28	360	120	730	638	1010	200
FGL300C16RB04	300	460	370	410	12x28	500	120	850	710	1460	315

**Dimensions are in millimeters*

FIVC Globe Valve

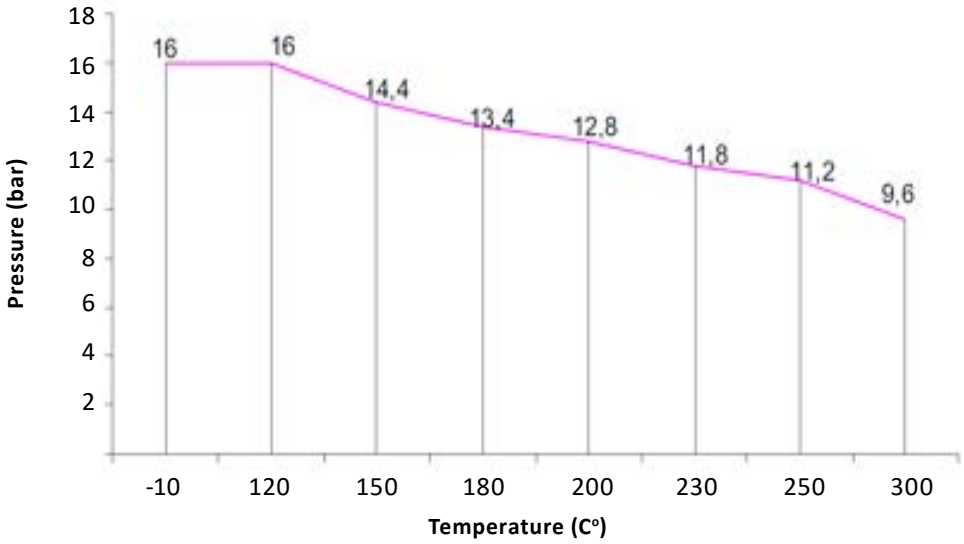
Grey Cast Iron – PN 16 – Rising Stem – EN 1092-2

Product Specification



N°	Name	Material
1	Body	Grey Cast Iron EN-GJL-250 JL 1040
1.2	Seat ring	Stainless Steel X12Cr13 1.4006
2	Bonnet	Grey Cast Iron EN-GJL-250 JL 1040
3	Disc	Stainless Steel X20Cr13 1.4021
4	Stem	Stainless Steel X20Cr13 1.4021
5	Handwheel	Ductile Iron EN-GJS-500-7 JS 1050
6	Gland packing	Graphite
7	Hexagon bolt	8.8
9	Gasket	NiCr + Graphite
10	Gland	Grey Cast Iron EN-GJL-250 JL 1040
11	T-bolt	8 + Zinc Galvanized
12	Nut	8 + Zinc Galvanized
13	Ring	Stainless Steel X20Cr13 1.4021
14	Washer	Stainless Steel X6CrNiTi18-10 1.4541
15	Screw	Stainless Steel X20Cr13 1.4021
16	Washer	Carbon steel + Zinc Galvanized
17	Nut	8 + Zinc Galvanized

Pressure-Temperature Ratings



WRAS-APPROVED BUTTERFLY VALVES



Feature	Cutting-edge technology tailored for peak flow regulation and shut-off.
Corrosion resistance	Of premium materials and a replaceable seat to facilitate easy maintenance and reduce downtime.
Green responsibility	Top-tier energy conservation while delivering reliable and precise performance via low-pressure drop and bubble-tightness, reducing energy consumption.
Space optimizer	Integrates into existing systems with fully interchangeable components.
Adaptability	Easy installation and minimal maintenance reduce energy usage and environmental impact, thereby enhancing productivity while cutting operational costs.



- Bubble tight
- Fast-acting
- WRAS-approved
- Cost-and energy efficient
- Small driving torque
- Small size
- Light in weight
- Easy operation

WRAS APPROVED PRODUCT

Available as

Wafer

Lugged

U-Flanged

ISH 2025

FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Hand lever – Replaceable – w/Pin – WRAS – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile Iron
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: 15° Notch hand lever in Ductile Iron
- Coating: Epoxy
- USP: Maintenance and installation efficient
  WRAS approval
- Standard: BS EN 593
- Dimensions: BS EN 1092-2
- Type: Drilling: PN 16
  Shaft: SS AISI 410
  Thread: Wafer

Field of applications

- Temperature range: -15 to 85 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC (Heat Ventilation Air Conditioning)
- Fire fighting
- General services
- Irrigation
- Shipbuilding
- Powdery products

Description

FIVC Wafer Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features higher strength and can work in higher pressure conditions.
Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.
The valve can be used for drinking water.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014.

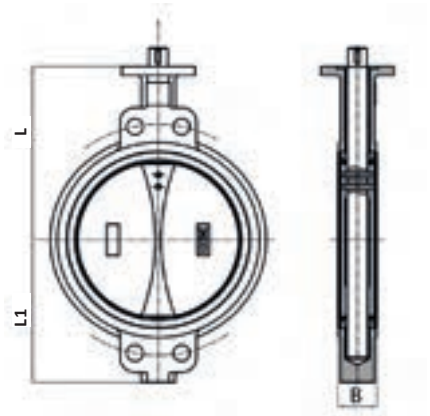
WRAS

Alternative Product Versions

Disc	Standard	Seat	Operation
• Stainless Steel	• BS 5155 • ISO 5752 • MSS SP-67 • API 609	• Vulcanized	• Gearbox Other operations • upon request

Drilling	PN	Size
• PN 20 • PN 25 • ANSI 150	• PN 10 • PN 25	• DN 50+

Dimensions



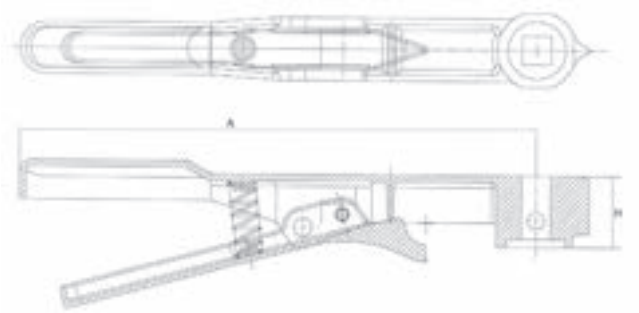
Product code	Size (DN)	L	L1	A	B
WAFN30050MNEPR1632	50	141.2	68.5	42	46.1
WAFN30065MNEPR1632	65	150.4	76	44.5	49.1
WAFN30080MNEPR1632	80	156.4	98.6	44.5	49.1
WAFN30100MNEPR1632	100	167.9	118.7	51	55.5
WAFN30125MNEPR1632	125	186.5	129.4	54.5	58.8
WAFN30150MNEPR1632	150	205.7	142	54.5	59.1
WAFN30200MNEPR1632	200	230.6	176	59.6	64.1

Dimensions are in millimeters

FIVC Butterfly Valve

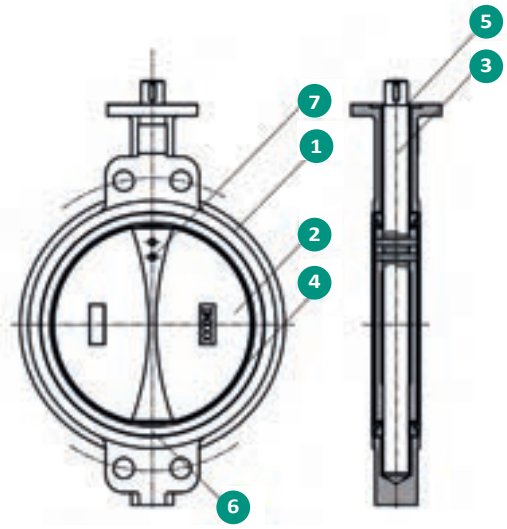
Ductile Iron – PN 16 – Wafer – Hand lever – Replaceable – w/Pin – WRAS – EN 1092-2

Dimensions



DN	A	H
50-80	195	27
100-125	266	27
150	328	27
200	386	30

Product Specification



N°	Name	Material
1	Body	Ductile Iron A536 Gr. 65-45-12
2	Disc	Ductile Iron
3	Shaft	Stainless Steel A276 SS 410
4	Seat	EPDM
5	O-Ring	EPDM
6	Bushing	Bronze B62 C83600
7	Pin	Stainless Steel BS970 316S11

FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Handlever – Replaceable – w/Pin – WRAS – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: 15° Notch hand lever in Ductile Iron
- Coating: Epoxy
- USP: Maintenance and installation efficient
  WRAS approved
- Standard: BS EN 593
- Dimensions: BS EN 1092-2
- Type: Drilling: PN 16
  Shaft: SS AISI 410
  Thread: Wafer

Field of applications

- Temperature range: -15 to 85 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC (Heat Ventilation Air Conditioning)
- Fire fighting
- General services
- Irrigation
- Shipbuilding
- Powdery products

Description

FIVC Wafer Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions. Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

The valve can be used for drinking water.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014.

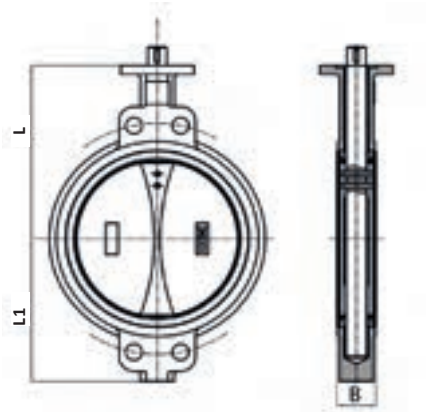
WRAS

Alternative Product Versions

Disc	Standard	Seat	Operation
• Ductile Iron	• BS 5155 • ISO 5752 • MSS SP-67 • API 609	• Vulcanized	• Gearbox Other operations • upon request

Drilling	PN	Size
• PN 20 • PN 25 • ANSI 150	• PN 10 • PN 25	• DN 50+

Dimensions



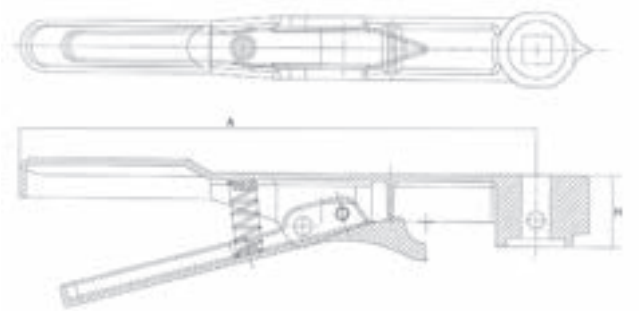
Product code	Size	L	L1	A	B
WAFN50050MNEPR1632	50	141.2	68.5	42	46.1
WAFN50065MNEPR1632	65	150.4	76	44.5	49.1
WAFN50080MNEPR1632	80	156.4	98.6	44.5	49.1
WAFN50100MNEPR1632	100	167.9	118.7	51	55.5
WAFN50125MNEPR1632	125	186.5	129.4	54.5	58.8
WAFN50150MNEPR1632	150	205.7	142	54.5	59.1
WAFN50200MNEPR1632	200	230.6	176	59.6	64.1

Dimensions are in millimeters

FIVC Butterfly Valve

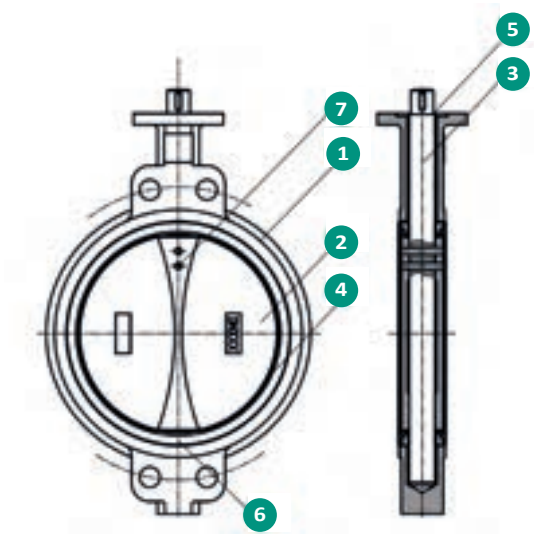
Ductile Iron – PN 16 – Wafer – Handlever – Replaceable – w/Pin – WRAS – EN 1092-2

Dimensions



DN	A	H
50-80	195	27
100-125	266	27
150	328	27
200	386	30

Product Specification



N°	Name	Material
1	Body	Ductile Iron A536 Gr. 65-45-12
2	Disc	Stainless Steel A351 CF8M
3	Shaft	Stainless Steel A276 SS 410
4	Seat	EPDM
5	O-Ring	EPDM
6	Bushing	Bronze B62 C83600
7	Pin	Stainless Steel BS970 316S11

FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Gearbox – Replaceable – w/Pin – WRAS – EN 1092-2



WAF series

Technical data

Main features and materials

• Body:	Ductile Iron	
• Disc:	Ductile Iron	
• Pin:	Stainless Steel	
• Stem:	Stainless Steel	
• Seat:	Replaceable EPDM	
• Operation:	Gearbox in Ductile Iron	
• Coating:	Epoxy	
• USP:	Maintenance and installation efficient WRAS approval	
• Standard:	BS EN 593	
• Dimensions:	BS EN 1092-2	
• Type:	Drilling:	PN 16
	Shaft:	SS AISI 410
	Thread:	Wafer

Field of applications

• Temperature range:	-15 to 85 °C
• Max. working pressure:	16 bar

- Water treatment plants and Water distribution
- HVAC (Heat Ventilation Air Conditioning)
- Fire fighting
- General services
- Irrigation
- Shipbuilding
- Powdery products

Description

FIVC Wafer Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features higher strength and can work in higher pressure conditions.
Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.
The valve can be used for drinking water.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014.

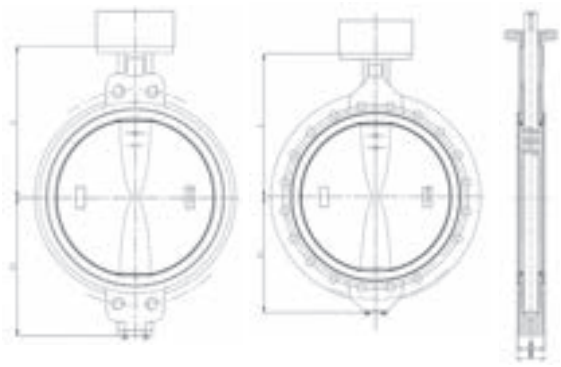
WRAS

Alternative Product Versions

Disc	Standard	Seat	Operation
• Stainless Steel	• BS 5155 • ISO 5752 • MSS SP-67 • API 609	• Vulcanized	• 15° Notch hand lever • Other operations upon request

Drilling	PN	Size
• PN 20 • PN 25 • ANSI 150	• PN 10 • PN 25	• DN 50+

Dimensions



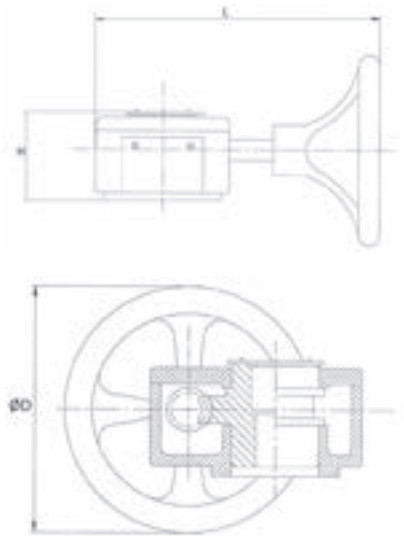
Product code	Size *(DN)*	L	L1	A	B
WAFN30065MDVEPR1632	65	141.2	68.5	42	46.1
WAFN30080MDVEPR1632	80	150.4	76	44.5	49.1
WAFN30100MDVEPR1632	100	156.4	98.6	44.5	49.1
WAFN30125MDVEPR1632	125	167.9	118.7	51	55.5
WAFN30150MDVEPR1632	150	186.5	129.4	54.5	58.8
WAFN30200MDVEPR1632	200	205.7	142	54.5	59.1
WAFN30250MDVEPR1632	250	230.6	176	59.6	64.1
WAFN30300MDVEPR1632	300	327.8	248.5	75.5	79.5
WAFN30350MDVEPR1632	350	368	267	76	81
WAFN30400MDVEPR1632	400	400	333	102	107
WAFN30450MDVEPR1632	450	422	364	114	119
WAFN30500MDVEPR1632	500	480	389	127	132.5
WAFN30600MDVEPR1632	600	562	453	151	157.5

Dimensions are in millimeters

FIVC Butterfly Valve

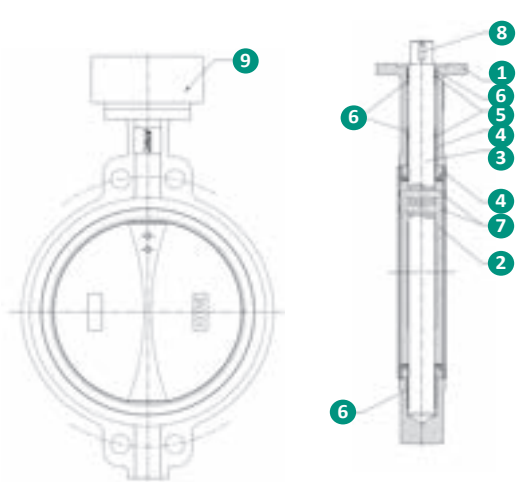
Ductile Iron – PN 16 – Wafer – Gearbox – Replaceable – w/Pin – WRAS – EN 1092-2

Dimensions



DN	L	H	øD	ISO 5211
50-150	205	65	150	F05
200-250	295	79	285	F10
300-350	292	80	285	F10
400-450	400	99	385	F14
500-600	480	150	397	F14/F16

Product Specification



N°	Name	Material
1	Body	Ductile Iron A536 Gr. 65-45-12
2	Disc	Ductile Iron
3	Shaft	Stainless Steel A276 SS 410
4	Seat	EPDM
5	O-Ring	EPDM
6	Bushing	Bronze B62 C83600
7	Pin	Stainless Steel BS970 316S11
8	Key	Carbon Steel ASTM 1045
9	Gearbox	--

FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Gearbox – Replaceable – w/Pin – WRAS – EN 1092-2



WAF series

Technical data

Main features and materials

• Body:	Ductile Iron	
• Disc:	Stainless Steel	
• Pin:	Stainless Steel	
• Stem:	Stainless Steel	
• Seat:	Replaceable EPDM	
• Operation:	Gearbox in Ductile Iron	
• Coating:	Epoxy	
• USP:	Maintenance and installation efficient WRAS approval	
• Standard:	BS EN 593	
• Dimensions:	BS EN 1092-2	
• Type:	Drilling:	PN 16
	Shaft:	SS AISI 410
	Thread:	Wafer

Field of applications

• Temperature range:	-15 to 85 °C
• Max. working pressure:	16 bar

- Water treatment plants and Water distribution
- HVAC (Heat Ventilation Air Conditioning)
- Fire fighting
- General services
- Irrigation
- Shipbuilding
- Powdery products

Description

FIVC Wafer Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features higher strength and can work in higher pressure conditions.
Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.
The valve can be used for drinking water.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014.

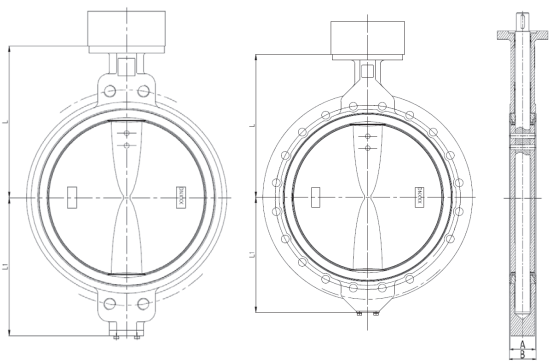
WRAS

Alternative Product Versions

Disc	Standard	Seat	Operation
• Ductile Iron	• BS 5155 • ISO 5752 • MSS SP-67 • API 609	• Vulcanized	• 15° Notch hand lever • Other operations upon request

Drilling	PN	Size
• PN 20 • PN 25 • ANSI 150	• PN 10 • PN 25	• DN 50+

Dimensions



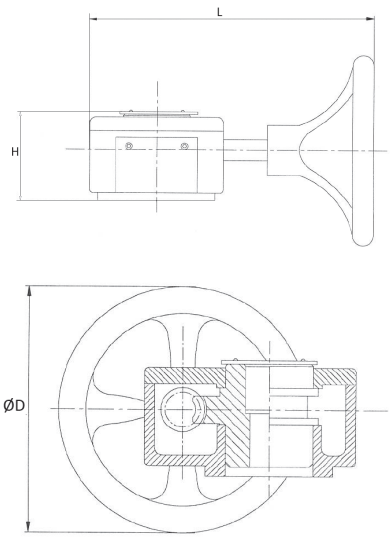
Product code	Size (DN)	L	L1	A	B
WAFN50065MDVEPR1632	65	141.2	68.5	42	46.1
WAFN50080MDVEPR1632	80	150.4	76	44.5	49.1
WAFN50100MDVEPR1632	100	156.4	98.6	44.5	49.1
WAFN50125MDVEPR1632	125	167.9	118.7	51	55.5
WAFN50150MDVEPR1632	150	186.5	129.4	54.5	58.8
WAFN50200MDVEPR1632	200	205.7	142	54.5	59.1
WAFN50250MDVEPR1632	250	230.6	176	59.6	64.1
WAFN50300MDVEPR1632	300	327.8	248.5	75.5	79.5
WAFN50350MDVEPR1632	350	368	267	76	81
WAFN50400MDVEPR1632	400	400	333	102	107
WAFN50450MDVEPR1632	450	422	364	114	119
WAFN50500MDVEPR1632	500	480	389	127	132.5
WAFN50600MDVEPR1632	600	562	453	151	157.5

Dimensions are in millimeters

FIVC Butterfly Valve

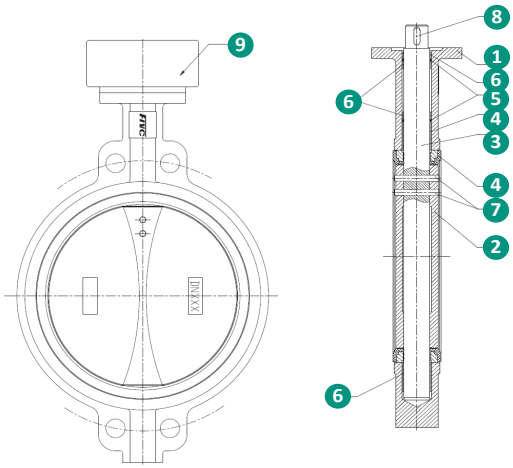
Ductile Iron – PN 16 – Wafer – Gearbox – Replaceable – w/Pin – WRAS – EN 1092-2

Dimensions



DN	L	H	øD	ISO 5211
50-150	205	65	150	F05
200-250	295	79	285	F10
300-350	292	80	285	F10
400-450	400	99	385	F14
500-600	480	150	397	F14/F16

Product Specification



N°	Name	Material
1	Body	Ductile Iron A536 Gr. 65-45-12
2	Disc	Stainless Steel A351 CF8M
3	Shaft	Stainless Steel A276 SS 410
4	Seat	EPDM
5	O-Ring	EPDM
6	Bushing	Bronze B62 C83600
7	Pin	Stainless Steel BS970 316S11
8	Key	Carbon Steel ASTM 1045
9	Gearbox	--

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Hand lever – Replaceable – w/Pin – WRAS – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile Iron
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: 15° Notch hand lever in Malleable Iron
- Coating: Epoxy
- USP: Maintenance and installation efficient
  WRAS approval
- Standard: BS EN 593
- Dimensions: BS EN 1092-2
- Type: Drilling: PN 16
  Shaft: SS AISI 410
  Thread: Metric

Field of applications

- Temperature range: -15 to 85 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC (Heat Ventilation Air Conditioning)
- Fire fighting
- General services
- Irrigation
- Shipbuilding
- Powdery products

Description

FIVC Lugged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features higher strength and can work in higher pressure conditions.

Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

The valve can be used for water.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014.

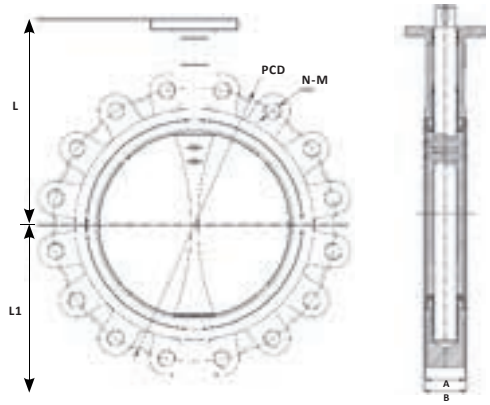
This valve is WRAS approved.

Alternative Product Versions

Disc	Standard	Seat	Operation
• Stainless Steel	• BS 5155 • ISO 5752 • MSS SP-67 • API 609	• Vulcanized • Other seats upon request	• Gearbox • Other operations upon request

Threading	Drilling	PN	Size
• UNC • Whitworth	• PN 20 • PN 25 • ANSI 150	• PN 10 • PN 25	• DN 50+

Dimensions



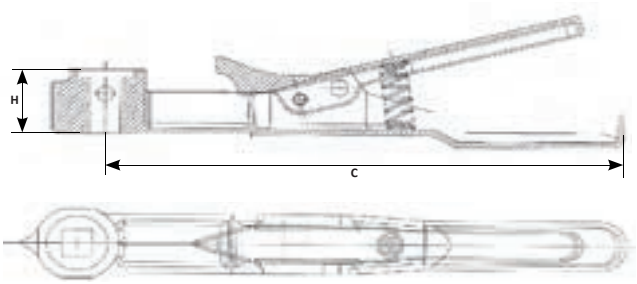
Product code	Size	L	L1	A	B	N-M	H	C
LUGN30065MNEPR1683	65	150.4	76	44.5	49.1	4-M16	27	195/266
LUGN30080MNEPR1683	80	156.4	98.6	44.5	49.1	8-M16	27	195/266
LUGN30100MNEPR1683	100	167.9	118.7	51	55.5	8-M16	27	266
LUGN30125MNEPR1683	125	186.5	129.4	54.5	58.8	8-M16	27	266
LUGN30150MNEPR1683	150	205.7	142	54.5	59.1	8-M20	27	328
LUGN30200MNEPR1683	200	230.6	176	59.6	64.1	12-M20	30	386

Dimensions are in millimeters

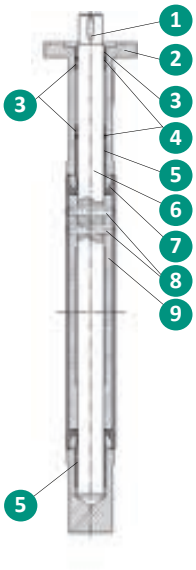
FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Hand lever – Replaceable – w/Pin – WRAS – EN 1092-2

Dimensions



Product Specification



N°	Name	Material
1	Body	Ductile Iron A536 Gr. 65-45-12
2	Disc	Ductile Iron A536 Gr. 65-45-12
3	Shaft	Stainless Steel A276 SS 410
4	Seat	EPDM
5	O-Ring	EPDM
6	Bushing	Bronze B62 C83600
7	Pin	Stainless Steel BS970 316S11

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Hand lever – Replaceable – w/Pin – WRAS – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: 15° Notch hand lever in Malleable Iron
- Coating: Epoxy
- USP: Maintenance and installation efficient
  WRAS approval
- Standard: BS EN 593
- Dimensions: BS EN 1092-2
- Type: Drilling: PN 16
  Shaft: SS AISI 410
  Thread: Metric

Field of applications

- Temperature range: -15 to 85 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC (Heat Ventilation Air Conditioning)
- Fire fighting
- General services
- Irrigation
- Shipbuilding
- Powdery products

Description

FIVC Lugged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features higher strength and can work in higher pressure conditions.

Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

The valve can be used for water.

Declaration

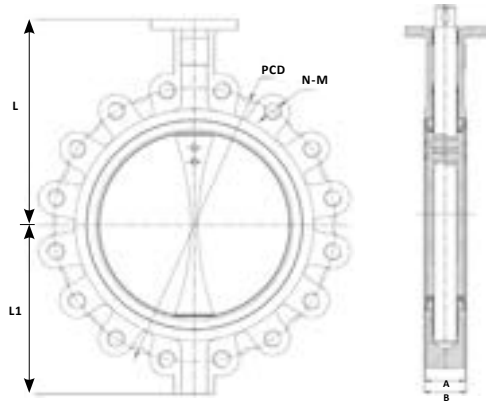
The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014.

Alternative Product Versions

Disc	Standard	Seat	Operation
• Ductile Iron	• BS 5155 • ISO 5752 • MSS SP-67 • API 609	• Vulcanized • Other seats upon request	• Gearbox • Other operations upon request

Threading	Drilling	PN	Size
• UNC • Whitworth	• PN 20 • PN 25 • ANSI 150	• PN 10 • PN 25	• DN 50+

Dimensions



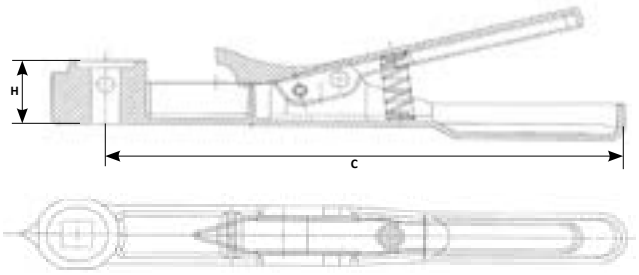
Product code	Size (DN)	L	L1	A	B	N-M	H	C
LUGN50065MNEPR1683	65	150.4	76	44.5	49.1	4-M16	27	195/266
LUGN50080MNEPR1683	80	156.4	98.6	44.5	49.1	8-M16	27	195/266
LUGN50100MNEPR1683	100	167.9	118.7	51	55.5	8-M16	27	266
LUGN50125MNEPR1683	125	186.5	129.4	54.5	58.8	8-M16	27	266
LUGN50150MNEPR1683	150	205.7	142	54.5	59.1	8-M20	27	328
LUGN50200MNEPR1683	200	230.6	176	59.6	64.1	12-M20	30	386

Dimensions are in millimeters

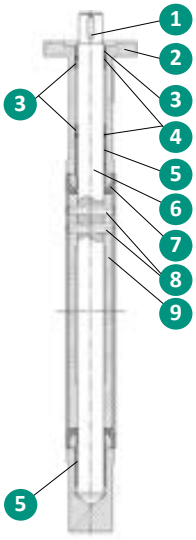
FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Hand lever – Replaceable – w/Pin – WRAS – EN 1092-2

Dimensions



Product Specification



N°	Name	Material
1	Body	Ductile Iron A536 Gr. 65-45-12
2	Disc	Stainless Steel A351 CF8M
3	Shaft	Stainless Steel A276 SS 410
4	Seat	EPDM
5	O-Ring	EPDM
6	Bushing	Bronze B62 C83600
7	Pin	Stainless Steel BS970 316S11

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Gearbox – Replaceable – w/Pin – WRAS – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Gearbox in Ductile Iron
- Coating: Epoxy
- USP: Maintenance and installation efficient
  WRAS approval
- Standard: BS EN 593
- Dimensions: BS EN 1092-2
- Type: Drilling: PN 16
  Shaft: SS AISI 410
  Thread: Metric

Field of applications

- Temperature range: -15 to 85 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC (Heat Ventilation Air Conditioning)
- Fire fighting
- General services
- Irrigation
- Shipbuilding
- Powdery products

Description

FIVC Lugged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features higher strength and can work in higher pressure conditions.
Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.
The valve can be used for water.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014.

WRAS

Alternative Product Versions

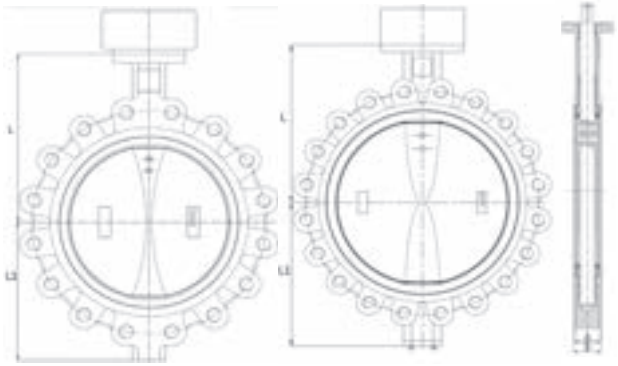
Disc	Standard	Seat	Operation
• Ductile Iron	• BS 5155 • ISO 5752 • MSS SP-67 • API 609	• Vulcanized • Other seats upon request	• 15° Notch operation and lever Other operations upon request

Threading	Drilling	PN	Size
• UNC • Whitworth	• PN 20 • PN 25 • ANSI 150	• PN 10 • PN 25	• DN 50+

Dimensions

DN 50-300

DN 350-600



Product code	Size (DN)	L	L1	A	B	PCD	N-M
LUGN50050MDVEPR1683	50	141.2	68.5	42	46.1	ø125	4-M16
LUGN50065MDVEPR1683	65	150.4	76	44.5	49.1	ø145	4-M16
LUGN50080MDVEPR1683	80	156.4	98.6	44.5	49.1	ø160	8-M16
LUGN50100MDVEPR1683	100	167.9	118.7	51	55.5	ø180	8-M16
LUGN50125MDVEPR1683	125	186.5	129.4	54.5	58.8	ø210	8-M16
LUGN50150MDVEPR1683	150	205.7	142	54.5	59.1	ø240	8-M20
LUGN50200MDVEPR1683	200	230.6	176	59.6	64.1	ø295	12-M20
LUGN50250MDVEPR1683	250	269.9	208.8	67	71.8	ø355	12-M24
LUGN50300MDVEPR1683	300	327.8	248.5	75.5	79.5	ø410	12-M24
LUGN50350MDVEPR1683	350	368	267	76	81	-	-
LUGN50400MDVEPR1683	400	400	309	102	107	-	-
LUGN50450MDVEPR1683	450	422	327	114	119	-	-
LUGN50500MDVEPR1683	500	480	361	127	132.5	-	-
LUGN50600MDVEPR1683	600	562	459	151	157.5	-	-

Dimensions are in millimeters

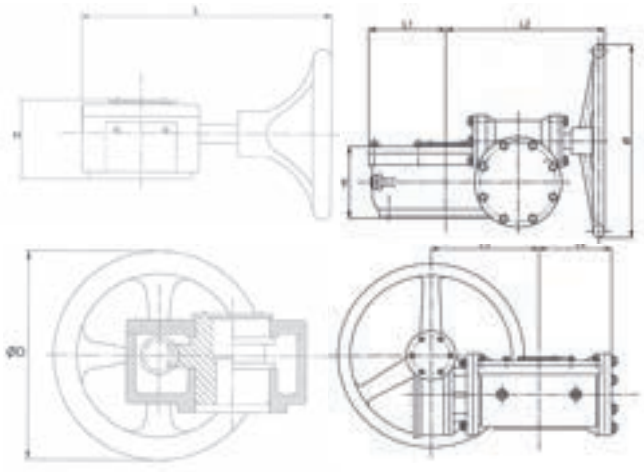
FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Gearbox – Replaceable – w/Pin – WRAS – EN 1092-2

Dimensions

DN 50-300

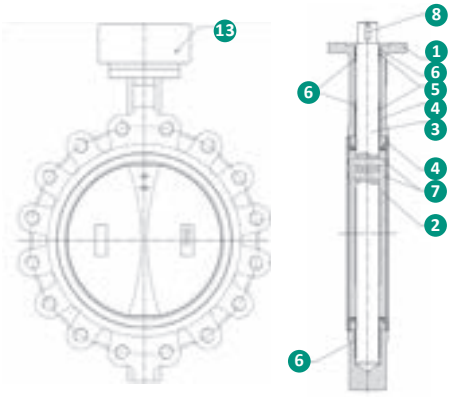
DN 350-600



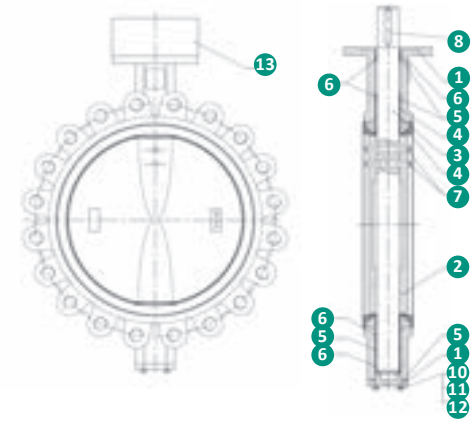
DN	L1	L2	L3	L4	H	Ø
50-150	52	118	129	-	70	150
200-250	75	191	171	-	80	280
300-350	80	186	198	-	80	280
400	80	186	198	-	80	385
450-500	125	273	280	-	80	400
600	107	260	175	107	99	385

Product Specification

DN 50-350



DN 400-600



N°	Name	Material
1	Body	Ductile Iron A536 Gr. 65-45-12
2	Disc	Stainless Steel A351 CF8M
3	Shaft	Stainless Steel A276 SS 410
4	Seat	EPDM
5	O-Ring	EPDM
6	Bushing	Bronze B62 C83600
7	Pin	Stainless Steel BS970 316S11
8	Key	Carbon Steel ASTM 1045
9	Cover	Ductile Iron A536 Gr. 65-45-12
10	Washer	Stainless Steel BS970 304S15
11	Spring washer	Stainless Steel BS970 304S15
12	Bolt	Stainless Steel BS970 304S15
13	Gearbox	--

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Gearbox – Replaceable – w/Pin – WRAS – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile Iron
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Gearbox in Ductile Iron
- Coating: Epoxy
- USP: Maintenance and installation efficient
  WRAS approval
- Standard: BS EN 593
- Dimensions: BS EN 1092-2
- Type: Drilling: PN 16
  Shaft: SS AISI 410
  Thread: Metric

Field of applications

- Temperature range: -15 to 85 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC (Heat Ventilation Air Conditioning)
- Fire fighting
- General services
- Irrigation
- Shipbuilding
- Powdery products

Description

FIVC Lugged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features higher strength and can work in higher pressure conditions.
Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.
The valve can be used for water.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014.
This valve is WRAS approved.

Alternative Product Versions

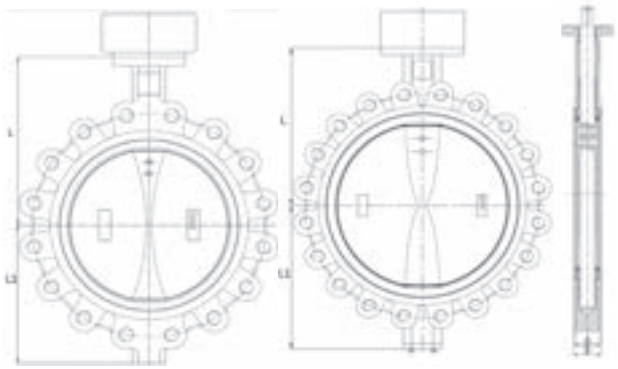
Disc	Standard	Seat	Operation
• Stainless Steel • Alu-Brz	• BS 5155 • ISO 5752 • MSS SP-67 • API 609	• Vulcanized • Other seats upon request	• 15° Notch operation • and lever Other operations upon request

Threading	Drilling	PN	Size
• UNC • Whitworth	• PN 20 • PN 25 • ANSI 150	• PN 10 • PN 25	• DN 50+

Dimensions

DN 50-300

DN 350-600



Product code	Size	L	L1	A	B	PCD	N-M
LUGN30050MDVEPR1683	50	141.2	68.5	42	46.1	ø125	4-M16
LUGN30065MDVEPR1683	65	150.4	76	44.5	49.1	ø145	4-M16
LUGN30080MDVEPR1683	80	156.4	98.6	44.5	49.1	ø160	8-M16
LUGN30100MDVEPR1683	100	167.9	118.7	51	55.5	ø180	8-M16
LUGN30125MDVEPR1683	125	186.5	129.4	54.5	58.8	ø210	8-M16
LUGN30150MDVEPR1683	150	205.7	142	54.5	59.1	ø240	8-M20
LUGN30200MDVEPR1683	200	230.6	176	59.6	64.1	ø295	12-M20
LUGN30250MDVEPR1683	250	269.9	208.8	67	71.8	ø355	12-M24
LUGN30300MDVEPR1683	300	327.8	248.5	75.5	79.5	ø410	12-M24
LUGN30350MDVEPR1683	350	368	267	76	81	-	-
LUGN30400MDVEPR1683	400	400	309	102	107	-	-
LUGN30450MDVEPR1683	450	422	327	114	119	-	-
LUGN30500MDVEPR1683	500	480	361	127	132.5	-	-
LUGN30600MDVEPR1683	600	562	459	151	157.5	-	-

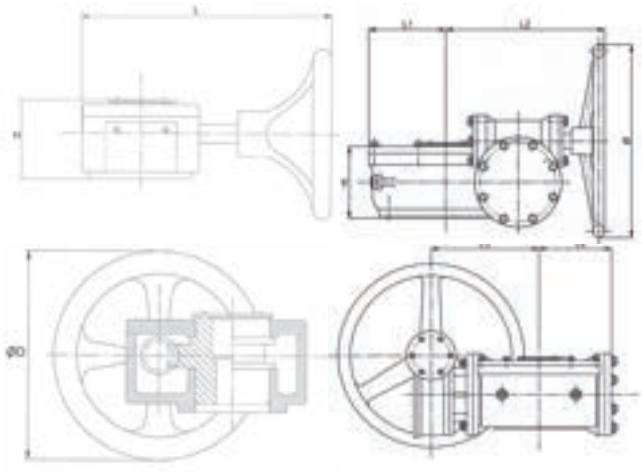
Dimensions are in millimeters

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Gearbox – Replaceable – w/Pin – WRAS – EN 1092-2

Dimensions

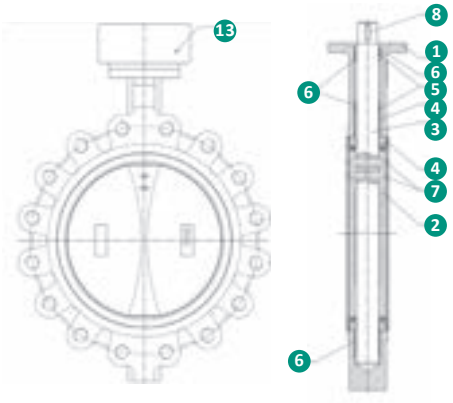
DN 50-300 *DN 350-600*



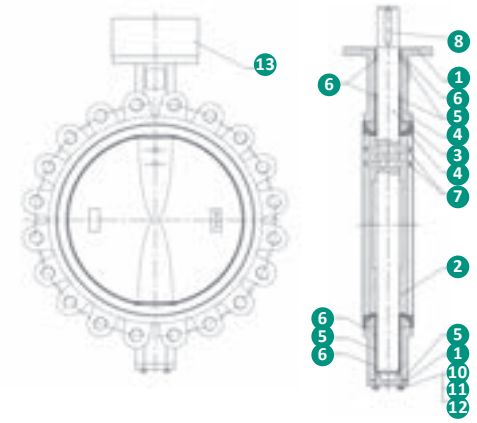
DN	L1	L2	L3	L4	H	Ø
50-150	52	118	129	-	70	150
200-250	75	191	171	-	80	280
300-350	80	186	198	-	80	280
400	80	186	198	-	80	385
450-500	125	273	280	-	80	400
600	107	260	175	107	99	385

Product Specification

DN 50-350



DN 400-600



N°	Name	Material
1	Body	Ductile Iron A536 Gr. 65-45-12
2	Disc	Ductile Iron
3	Shaft	Stainless Steel A276 SS 410
4	Seat	EPDM
5	O-Ring	EPDM
6	Bushing	Bronze B62 C83600
7	Pin	Stainless Steel BS970 316S11
8	Key	Carbon Steel ASTM 1045
9	Cover	Ductile Iron A536 Gr. 65-45-12
10	Washer	Stainless Steel BS970 304S15
11	Spring washer	Stainless Steel BS970 304S15
12	Bolt	Stainless Steel BS970 304S15
13	Gearbox	--

BUTTERFLY WAFER



Feature	Cutting-edge technology tailored for peak flow regulation and shut-off.
Corrosion resistance	Of premium materials and a vulcanized seat or a replaceable seat to facilitate easy maintenance and reduce downtime.
Green responsibility	Top-tier energy conservation while delivering reliable and precise performance via low-pressure drop and bubble-tightness, reducing energy consumption.
Space optimizer	Integrates into existing systems, Ideal for tight installations.
Adaptability	Easy installation and minimal maintenance reduce energy usage and environmental impact, thereby enhancing productivity while cutting operational costs.



- Bubble tight
- Fast-acting
- Cost-and energy efficient
- Small driving torque
- Small size
- Light in weight
- Easy operation

WRAS APPROVED PRODUCT

ISH 2025

FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Hand lever – Vulcanized – w/Pin – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile Iron
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Vulcanized EPDM
- Operation: 15° Notch hand lever in Malleable Iron
- Coating: Epoxy
- USP: Maintenance and installation efficient
- Standard: BS EN 593
- Dimensions: Face-to-Face acc. to EN 558 *(series 20)*
- Inspection test: BS EN 12266-1
- Type: Drilling: PN 16; Shaft: AISI 431; Thread: Wafer

Field of applications

- Temperature range: -15 to 120 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC (Heat Ventilation Air Conditioning)
- Fire fighting
- General services
- Irrigation
- Shipbuilding
- Powdery products

Description

FIVC Wafer Butterfly Valve with its vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions. Furthermore, the valve can be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc	Construction	Seat	Operation
• Alu-Bronze • Stainless Steel	• Pinless	• Replaceable • Other seats upon request	• Gearbox • Other operations upon request

Drilling	PN	Size
• PN 20 • PN 25 • ANSI 150	• PN 20 • PN 25	• DN 40+

Dimensions

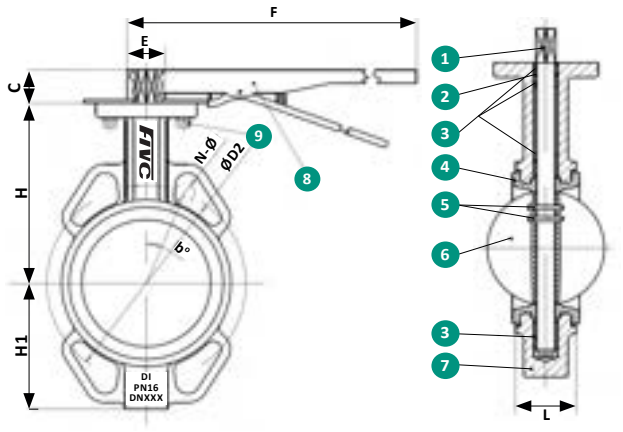
Product code	Size *(DN)*	H*	H1*	H2*	L*	ØD2*	N-M	b°*	E*	F*	Kg	OTV *(N.m)*	BTV *(N.m)*
WAFN30040MNEPV1620	40	105	73	32	33	110	4-Ø19	45	35	223	3.7	15.1	86
WAFN30050MNEPV1620	50	130	85	32	33	125	4-Ø19	45	35	223	3.9	16	86
WAFN30065MNEPV1620	65	140	94	32	46	145	4-Ø19	45	35	223	4.3	17.2	86
WAFN30080MNEPV1620	80	145	105	32	46	160	4-Ø19	22.5	35	223	5	23.1	86
WAFN30100MNEPV1620	100	160	126	32	52	180	4-Ø19	22.5	35	263	7	39.8	169
WAFN30125MNEPV1620	125	170	140	32	56	210	4-Ø19	22.5	35	263	9	61.9	291
WAFN30150MNEPV1620	150	190	151	32	56	240	4-Ø23	22.5	35	263	11	102	291
WAFN30200MNEPV1620	200	220	183	35	60	295	4-Ø23	15	48	358	28	192	465

**Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value*

FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Hand lever – Vulcanized – w/Pin – EN 1092-2

Product Specification



N°	Name	Material
1	Stem	Stainless Steel SS 431
2	O-Ring	NBR
3	Bushing	Brass C836600 + C37700
4	Seat	Vulcanized EPDM
5	Pin	Stainless Steel SS 431 DN 40-100: 1 pcs. DN 125-200: 2 pcs.
6	Disc	Ductile Iron
7	Body	Ductile Iron GGG 40
8	Handle	Malleable Iron
9	Bolt	Stainless Steel SS 316

FIVC Butterfly Valve

Ductile Iron – PN 25 – Wafer – Hand lever – Vulcanized – w/Pin – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile Iron
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Vulcanized EPDM
- Operation: 15° Notch hand lever in Malleable Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- USP: Maintenance and installation efficient
- Standard: BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 25; Shaft: SS AISI 431; Thread: Wafer
- Testing: BS EN 12266-1; Shell pressure: 3.75 MPa; Sealing pressure: 2.75 MPa

Field of applications

- Temperature range: -20 to 120 °C
- Max. working pressure: 25 bar

- Petrochemical industry
- Irrigation systems
- Compressed air
- industries
- Textile industry
- Mechanical industry

Description

FIVC Wafer Butterfly Valve with its vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions. Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc	Construction	Seat	Operation
• Stainless Steel • Alu-Bronze	• Pinless	• Replaceable • Other seats upon request	• 15° Notch hand lever • Other operations upon request

Threading	Drilling	PN	Size
• UNC • Whitworth	• PN 16 • PN 20 • ANSI 150	• PN 16 • PN 20	• DN 40+

Product Information

Product code	Size	H	H1	H2	L	ØD2	N-Ø	b°	E	F	Kg	OTV *(N.m)*	BTV *(N.m)*
WAFN30040MNEPV2520	40	105	73	32	33	110	4-Ø19	45.0	35	223	3.2	23	86
WAFN30050MNEPV2520	50	130	85	32	33	125	4-Ø19	45.0	35	223	4.0	23	86
WAFN30065MNEPV2520	65	140	94	32	46	145	4-Ø19	22.5	35	223	5.0	26	86
WAFN30080MNEPV2520	80	145	105	32	46	160	4-Ø19	22.5	35	223	5.5	35	86
WAFN30100MNEPV2520	100	160	126	32	52	190	4-Ø23	22.5	35	223	7.7	60	169
WAFN30125MNEPV2520	125	170	140	32	56	220	4-Ø28	22.5	35	223	10.0	93	291
WAFN30150MNEPV2520	150	190	151	32	56	250	4-Ø28	22.5	35	223	12.0	153	291
WAFN30200MNEPV2520	200	220	183	35	60	310	4-Ø28	15.0	38	358	17.0	288	992

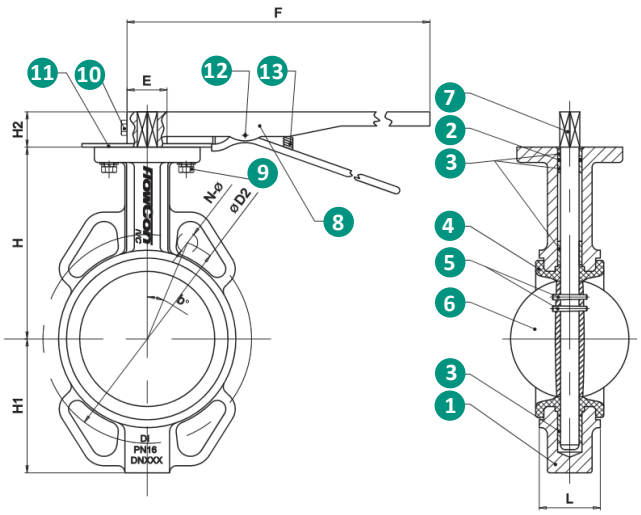
Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value

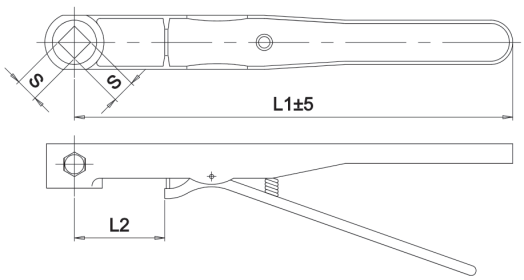
FIVC Butterfly Valve

Ductile Iron – PN 25 – Wafer – Hand lever – Vulcanized – w/Pin – EN 1092-2

Dimensions

DN 65-200





Product Specification

N°	Name	Material
1	Body	Ductile Iron GGG40
2	O-Ring	NBR
3	Bushing	Brass
4	Seat	Vulcanized EPDM
5	Pin	Stainless Steel 316
6	Disc	Ductile Iron GGG40
7	Stem	Stainless Steel 431
8	Handle	Malleable Iron + Epoxy
9	Bolt	Stainless Steel 316
10	Bolt	Stainless Steel 316
11	Notch Plate	Stainless Steel 316
12	Splint Pin	Carbon Steel 65Mn + Epoxy
13	Spring	Carbon Steel 65Mn + Epoxy

Product Information

Product code	L1	L2	SxS
DN 40	223	55	9x9
DN 50	223	55	9x9
DN 65	223	55	11x11
DN 80	223	55	11x11
DN 100	261	55	14x14
DN 125	261	55	14x14
DN 150	261	55	14x14
DN 200	358	76	17x17

FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Hand lever – Replaceable – Pinless – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile Iron
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Hand Lever
- Coating: Epoxy
- Standard: BS EN 593 top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face EN 558-1 *(series 20)*
  DIN 3202 T3 K1 ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Wafer
- Tests: Hydraulic test 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water distribution
- HVAC
- Shipbuilding

Description

FIVC Wafer Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high-quality rotational disc, the valve features quick shut-off function.
Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pin-less construction leads to good corrosion resistance.
Furthermore, the valve can be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu-Bronze
- Stainless Steel

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

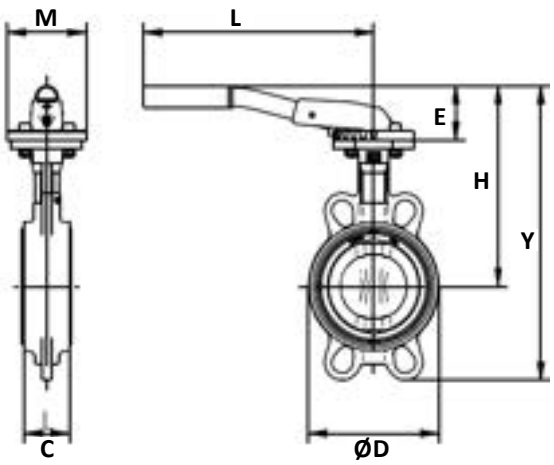
Operation
- 15° notch hand-lever
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

Dimensions



Product Information

Product code	Size	C	ØD	E	H	Y	L	M	Kg
WAFN30025MNENR1601	25	33	68	49	151.5	212	220	90	1.9
WAFN30032MNENR1601	32	33	68	49	151.5	212	220	90	1.9
WAFN30040MNENR1601	40	33	76	49	159	215	220	90	2.1
WAFN30050MNENR1601	50	43	100	49	169	231	220	90	2.9
WAFN30065MNENR1601	65	46	108	49	184	253	220	90	3.1
WAFN30080MNENR1601	80	46	124	60	201	295	260	90	3.7
WAFN30100MNENR1601	100	52	147	60	225	331	260	90	4.5
WAFN30125MNENR1601	125	56	180	75	255	382	315	90	6.8
WAFN30150MNENR1601	150	56	206	75	268	401	315	90	7.8
WAFN30200MNENR1601	200	60	257	75	300	470	315	90	11.7

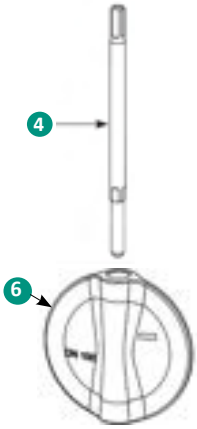
**Dimensions are in millimeters*

FIVC Butterfly Valve

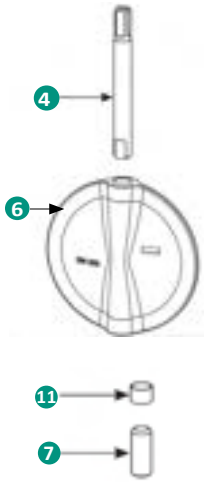
Ductile Iron – PN 16 – Wafer – Hand lever – Replaceable – Pinless – EN 1092-2

Product Specification

DN 50-100



DN 125-200



DN 50-200



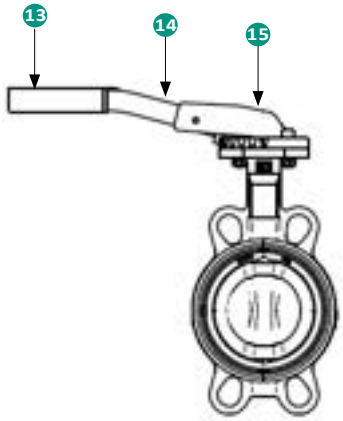


DN 200

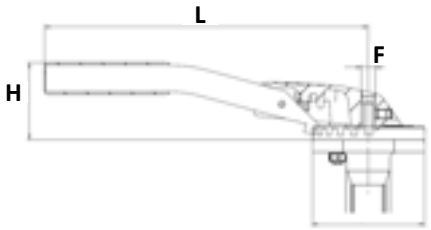


DN 50-200

N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	DN 50-200: Acetal Delrin
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Ductile Iron EN-GJS-400-15, Epoxy
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel
10	Lower plug	EPDM
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester
13	Hand Lever Cover	Vinyl
14	Hand Lever arm	Carbon Steel, Epoxy
15	Hand Lever head	Aluminum, Epoxy



Dimensions

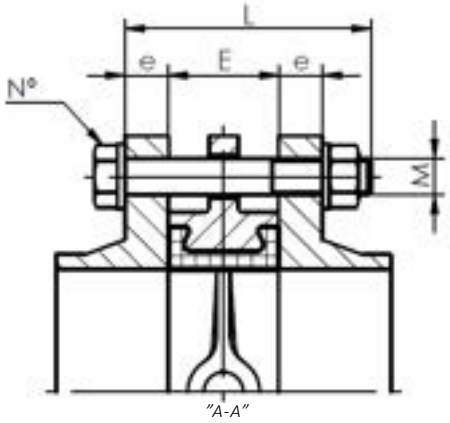


Product Information

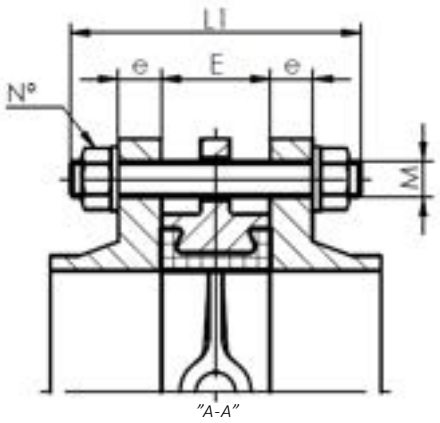
Product code	F	L	H	KG
DN 32-65	11	220	49	0.40
DN 80-100	11	260	60	0.45
DN 125-150	14	315	75	0.55
DN 200	17	315	75	0.55

Assembling screwing

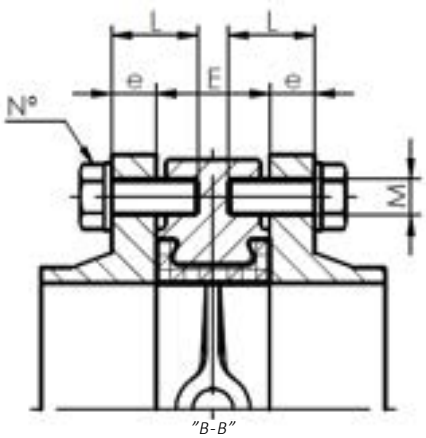
Screw



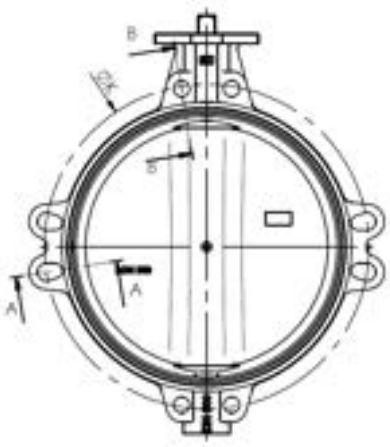
Link



Screw Only



Product code	Size	ØK	E	e	M	L	L1	N°
WAFN30025MNENR1601	25	85	33	16	M12	90	110	4
WAFN30032MNENR1601	32	100	33	16	M16	90	110	4
WAFN30040MNENR1601	40	110	33	16	M16	90	110	4
WAFN30050MNENR1601	50	125	43	18	M16	100	120	4
WAFN30065MNENR1601	65	145	46	18	M16	100	120	4
WAFN30080MNENR1601	80	160	46	20	M16	110	130	8
WAFN30100MNENR1601	100	180	52	20	M16	110	130	8
WAFN30125MNENR1601	125	210	56	22	M16	120	140	8
WAFN30150MNENR1601	150	240	56	22	M20	130	150	8
WAFN30200MNENR1601	200	295	60	24	M20	130	160	12



FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Gearbox – Vulcanized – w/Pin – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile Iron
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Vulcanized EPDM
- Operation: Gearbox in Ductile Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- USP: Maintenance and installation efficient
- Standard: BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 16
  Shaft: SS AISI 431
  Thread: Wafer
- Testing: BS EN 12266-1
  Shell pressure: 2.40 MPa
  Sealing pressure: 1.76 MPa

Field of applications

- Temperature range: -20 to 120 °C
- Max. working pressure: 16 bar

- Petrochemical industry
- Irrigation systems
- Compressed air
- industries
- Textile industry
- Mechanical industry

Description

FIVC Wafer Butterfly Valve with its vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions. Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Stainless Steel
- Alu-Bronze

Construction
- Pinless

Seat
- Replaceable
- Other seats upon request

Operation
- 15° Notch hand lever
- Other operations upon request

Threading
- UNC
- Whitworth

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20
- PN 25

Size
- DN 40+

Product Information

Product code	Size	H	H1	H3	L	ØD2	N-M	a°-b°	E	C	F	V	Kg	OTV (N.m)	BTV (N.m)	Gearbox		
																OT N-M	Ratio	N° of turns
WAFN30065MDVEPV1620	65	140	94	-	46	145	4-Ø19	45.0	65		154	135	8.0	17.2	86	200	24:1	6.0
WAFN30080MDVEPV1620	80	145	105	-	46	160	4-Ø19	22.5	65		154	135	8.5	23.1	86	200	24:1	6.0
WAFN30100MDVEPV1620	100	160	126	-	52	180	4-Ø19	22.5	65		154	135	9.5	39.8	169	200	24:1	6.0
WAFN30125MDVEPV1620	125	170	140	-	56	210	4-Ø19	22.5	65		154	135	12.5	61.9	291	200	24:1	6.0
WAFN30150MDVEPV1620	150	190	151	-	56	240	4-Ø23	22.5	65		154	135	14.0	102	291	200	24:1	6.0
WAFN30200MDVEPV1620	200	220	183	-	60	295	4-Ø23	15.0	77		225	285	22.0	192	465	500	30:1	7.5
WAFN30250MDVEPV1620	250	260	217	-	68	355	4-Ø28	15.0	77		225	285	33.0	323	993	500	30:1	7.5
WAFN30300MDVEPV1620	300	290	252	-	78	410	4-Ø28	15.0	80		215	285	47.0	490	1360	1200	50:1	12.5
WAFN30350MDVEPV1620	350	320	285	-	78	470	4-Ø28	11.25	80		215	285	57.0	625	1360	1200	50:1	12.5
WAFN30400MDVEPV1620	400	356	315	271	102	525	4-Ø31	11.25	120	56	124	385	90.0	846	2356	1800	80:1	20.0
WAFN30450MDVEPV1620	450	387	384	271	114	585	4-Ø31	9.0	120	56	124	385	118.0	1131	3394	1800	80:1	20.0
WAFN30500MDVEPV1620	500	424	390	271	127	650	4-Ø34	9.0		121	256	285	160.0	1431	4120	2500	560:1	140
WAFN30600MDVEPV1620	600	524	455	330	154	770	4-Ø37	9.0		130	285	385	250.0	2301	6781	4000	640:1	160

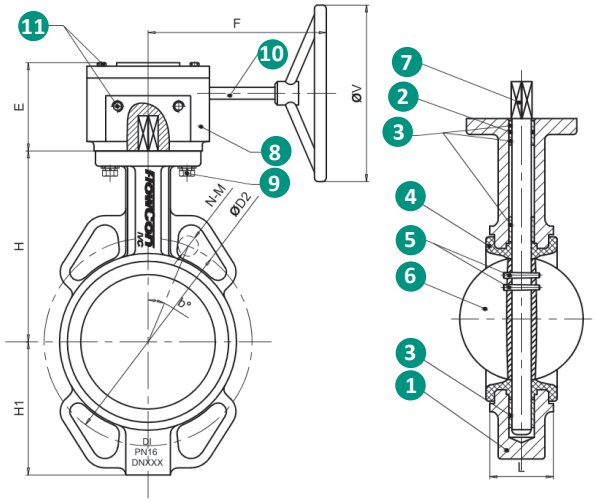
Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value

FIVC Butterfly Valve

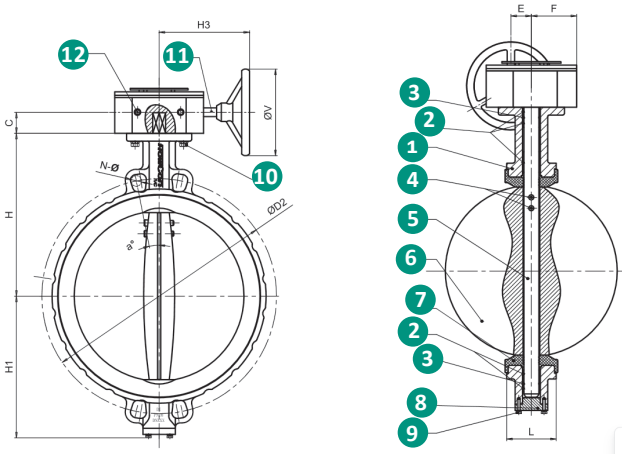
Ductile Iron – PN 16 – Wafer – Gearbox – Vulcanized – w/Pin – EN 1092-2

Dimensions

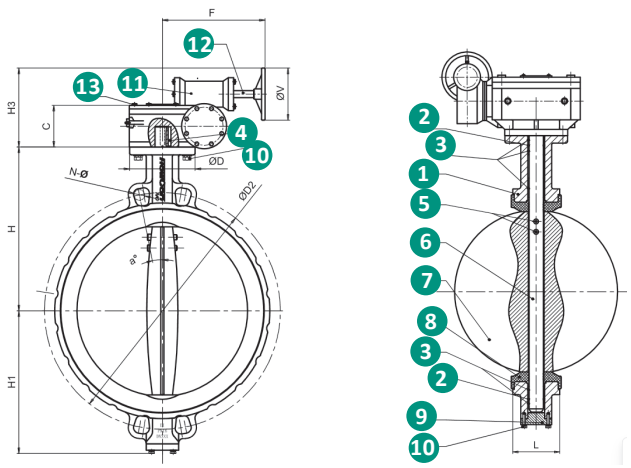
DN 65-350



DN 400-450



DN 500-600



Product Specification

N°	Name	Material
1	Body	Ductile Iron GGG40
2	O-Ring	NBR
3	Bushing	Brass
4	Seat	Vulcanized EPDM
5	Pin	Stainless Steel 316
6	Disc	Ductile Iron GGG40
7	Stem	Stainless Steel 431
8	Gearbox	Ductile Iron GGG40
9	Bolt	Stainless Steel 316
10	Input Shaft	Stainless Steel 304
11	Bolt	Stainless Steel 304

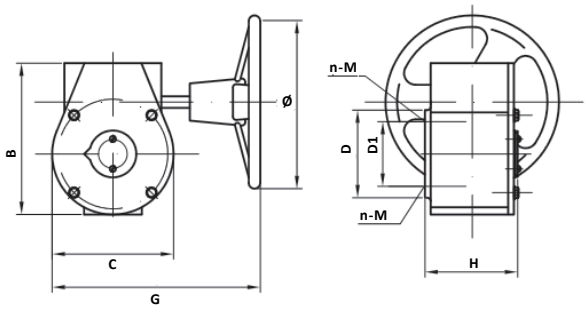
N°	Name	Material
1	Body	Ductile Iron GGG40
2	Bushing	Brass
3	O-Ring	NBR
4	Pin	Stainless Steel 316
5	Stem	Stainless Steel 431
6	Disc	Ductile Iron GGG40
7	Seat	Vulcanized EPDM
8	Cover	Ductile Iron GGG40
9	Bolts and accessories	Stainless Steel 316
10	Bolt	Stainless Steel 316
11	Input Shaft	Stainless Steel 304
12	Bolts	Stainless Steel 304

N°	Name	Material
1	Body	Ductile Iron GGG40
2	O-Ring	NBR
3	Bushing	Brass
4	Key	Carbon Steel
5	Pin	Stainless Steel 316
6	Stem	Stainless Steel 431
7	Disc	Ductile Iron GGG40
8	Seat	Vulcanized EPDM
9	Cover	Ductile Iron GGG40
10	Bolts and accessories	Stainless Steel 316
11	Gearbox	Ductile Iron GGG40
12	Input Shaft	Stainless Steel 304
13	Bolts	Stainless Steel 304

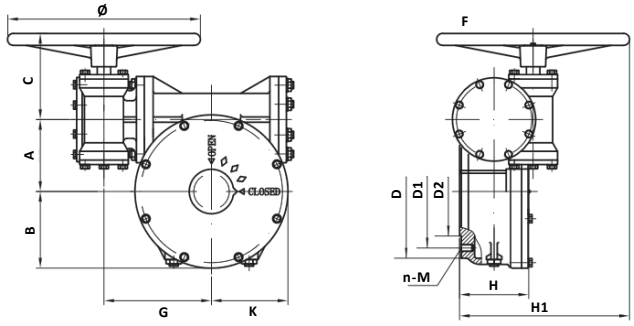
FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Gearbox – Vulcanized – w/Pin – EN 1092-2

DN 65-450



DN 500-600



Gearbox Dimensions

Valve size	A	B	C	D	D1	D2	H	H1	G	K	Ø	n-M
65-150	-	125	102	90	70	-	65		203	-	135	-
200-250	-	167	141	125	102	-	79		295	-	285	-
300-350	-	188	152	175	140	-	80		291	-	285	-
400-450	-	279	247	210	165		109		336		390	
500	100	107	156	210	165	130	125	271	168	107	285	4-M20
600	125	131	160	210	165	130	136	330	193	131	385	4-M20

Dimensions are in millimeters

FIVC Butterfly Valve

Ductile Iron – PN 25 – Wafer – Gearbox – Vulcanized – w/Pin – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile Iron
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Vulcanized EPDM
- Operation: Gearbox in Ductile Iron
- Coating: Epoxy
- USP: Maintenance and installation efficient
- Standard: BS EN 593
- Dimensions: Face-to-Face acc. to EN 558 *(series 20)*
- Inspection test: BS EN 12266-1
- Type: Drilling: PN 25
  Shaft: DN 65-350: SS AISI 316
  DN 400+: SS AISI 630
  Thread: Wafer

Field of applications

- Temperature range: -15 to 120 °C
- Max. working pressure: 25 bar

- Water treatment plants and Water distribution
- HVAC (Heat Ventilation Air Conditioning)
- Fire fighting
- General services
- Irrigation
- Shipbuilding
- Powdery products

Description

FIVC Wafer Butterfly Valve with its vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions. Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu-Bronze
- Stainless Steel

Construction
- Pinless

Seat
- Replaceable
- Other seats upon request

Operation
- 15° Notch hand lever
- Other operations upon request

Drilling
- PN 16
- PN 20
- ANSI 150

PN
- PN 16
- PN 20

Size
- DN 40+

Product Information

Product code	Size *(DN)*	H*	H1*	L*	ØD2*	N-M	b° *or* a°	E*	F*	Øv* *or* V*	Kg	OTV *(N.m)*	BTV *(N.m)*	Gearbox		
														OT *N-M*	Ratio	N° of turns
WAFN30065MDVEPV2520	65	140	94	46	145	4-Ø19	22.5	65	154	135	9.5	26	86	200	24:1	6
WAFN30080MDVEPV2520	80	145	105	46	160	4-Ø19	22.5	65	154	135	10.6	35	86	200	24:1	6
WAFN30100MDVEPV2520	100	160	126	52	190	4-Ø23	22.5	65	154	135	12.5	60	169	200	24:1	6
WAFN30125MDVEPV2520	125	170	140	56	220	4-Ø28	22.5	65	154	135	15	93	291	200	24:1	6
WAFN30150MDVEPV2520	150	190	151	56	250	4-Ø28	22.5	65	154	135	17	153	291	200	24:1	6
WAFN30200MDVEPV2520	200	220	183	60	310	4-Ø28	15	77	225	285	30	288	992	500	32:1	8
WAFN30250MDVEPV2520	250	260	217	68	370	4-Ø31	15	77	225	285	38	485	1360	500	32:1	8
WAFN30300MDVEPV2520	300	290	252	78	430	4-Ø31	11.25	80	215	285	55	735	1563	1200	50:1	12.5
WAFN30350MDVEPV2520	350	320	285	78	490	4-Ø34	11.25	80	215	285	70	938	2356	1200	50:1	12.5
WAFN30400MDVEPV2521	400	356	325	102	550	4-Ø37	11.25	121	256	285	145	1269	3928	2.5x10³	560:1	140
WAFN30450MDVEPV2521	450	387	384	114	600	4-Ø37	9	121	256	285	170	1697	5072	2.5x10³	560:1	140
WAFN30500MDVEPV2521	500	424	392	127	660	4-Ø37	9	121	256	285	230	2147	6788	2.5x10³	560:1	140
WAFN30600MDVEPV2521	600	524	455	154	770	4-Ø41	9	-	285	385	300	3452	10780	4x10³	506:1	140

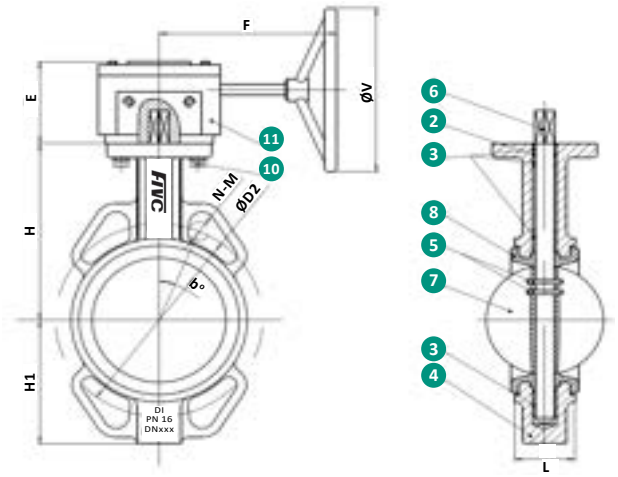
**Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value*

FIVC Butterfly Valve

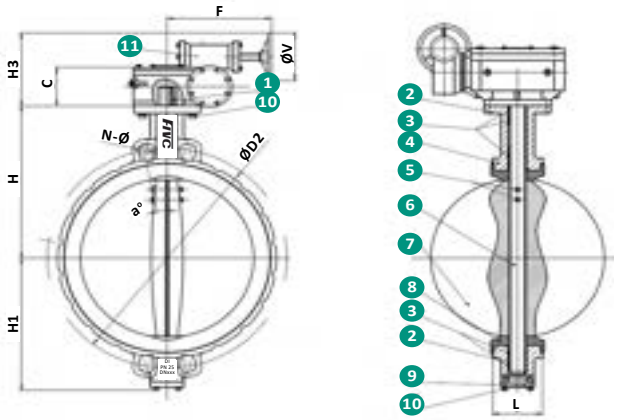
Ductile Iron – PN 25 – Wafer – Gearbox – Vulcanized – w/Pin – EN 1092-2

Dimensions

DN 65-350



DN 400-600



Product Specification

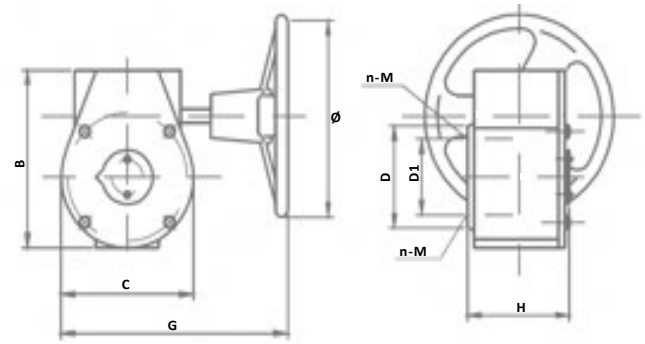
N°	Name	Material
1	Key *Only for DN 600+*	Carbon Steel *(2 pcs)*
2	O-Ring	NBR
3	Bushing	Brass
4	Body	Ductile Iron
5	Pin	Stainless Steel SS 316 DN 40-100: 1 pcs. DN 125+: 2 pcs.
6	Stem	DN 65-350: Stainless Steel SS 316 DN 400+: Stainless Steel SS 630
7	Disc	Ductile Iron
8	Seat	Vulcanized EPDM
9	Cover	Ductile Iron
10	Bolts and accessories	Stainless Steel SS 316
11	Gearbox	Ductile Iron

Gearbox Dimensions

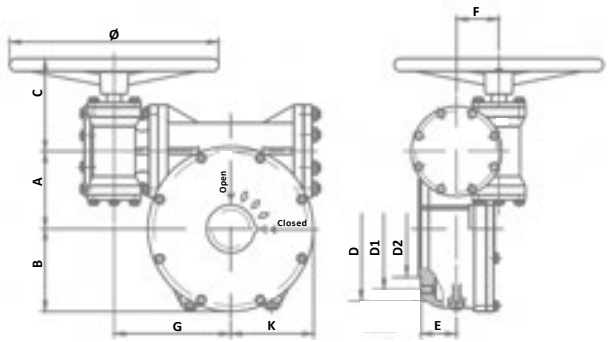
Valve size *(DN)*	A*	B*	C*	D*	D1*	D2*	E-H*	F*	G*	K*	Φ*	n-M
65-150	-	125	102	92	70	-	65	-	203	-	135	-
200-250	-	167	141	125	102	-	79	-	295	-	285	-
300-350	-	188	152	125	102	-	80	-	291	-	285	-
400-500	100	107	162	175	140	100	67	60	170	107	285	4-M16/ 4-M20
600	125	131	172	276	165	-	65	66	192	131	385	4-M20
700-800	140	146	200	300	254	200	72	88	224	146	425	8-M16

**Dimensions are in millimeters*

DN 65-350



DN 400 – 800



FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Gearbox – Replaceable – Pinless – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile Iron
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Gearbox in Ductile Iron
- Coating: Epoxy
- Standard: BS EN 593 top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face EN 558-1 *(series 20)*
  DIN 3202 T3 K1 ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Wafer
- Tests: Hydraulic test 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water distribution
- HVAC
- Shipbuilding

Description

FIVC Wafer Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function. Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can by its high quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive Nº 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu-Bronze
- Stainless Steel

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

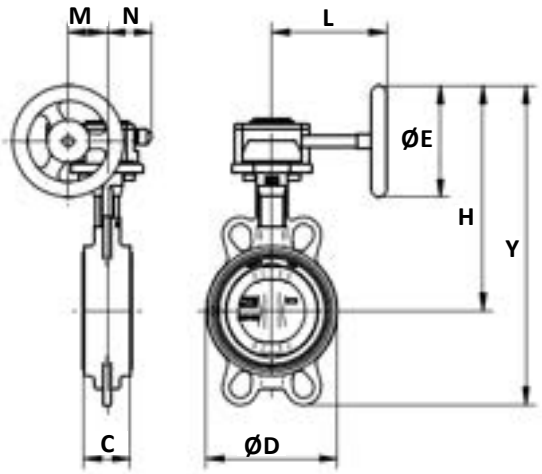
Operation
- 15º notch hand-lever
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

Dimensions



Product Information

Product code	Size	C	ØD	ØE	H	Y	L	M	N	Kg
WAFN30050MDVENR1601	50	43	100	125	208	269	129	43.5	50.5	3.7
WAFN30065MDVENR1601	65	46	108	125	223	292	129	43.5	50.5	4.0
WAFN30080MDVENR1601	80	46	124	125	229	323	129	43.5	50.5	4.4
WAFN30100MDVENR1601	100	52	147	125	253	359	129	43.5	50.5	5.2
WAFN30125MDVENR1601	125	56	180	160	286	412	135	43.5	50.5	7.6
WAFN30150MDVENR1601	150	56	206	160	298	431	135	43.5	50.5	8.7
WAFN30200MDVENR1601	200	60	257	200	355	525	152	52.5	59	13.7
WAFN30250MDVENR1601	250	68	324	250	442	652	222	61.2	70.5	23.7
WAFN30300MDVENR1601	300	78	376	250	468	708	222	61.2	70.5	33.0
WAFN30350MDVENR1601	350	78	422	250	498	762	222	61.2	70.5	38.7
WAFN30400MDVENR1601	400	102	480	300	572	880	277	68.8	72.5	64.5
WAFN30450MDVENR1601	450	114	536	400	630	970	321	96.5	91.5	99
WAFN30500MDVENR1601	500	127	593	400	682	1062	321	96.5	91.5	133
WAFN30600MDVENR1601	600	154	690	500	798	1239	408	138	140	206
WAFN30700MDVENR1601	700	165	780	600	914	1400	456	138	140	271
WAFN30750MDVENR1601	750	190	836	600	944	1474	456	138	140	337
WAFN30800MDVENR1601	800	190	902	700	1044	1608	510	180	156	408
WAFN30900MDVENR1601	900	203	1010	700	1108	1718	510	180	156	521
WAFN31000MDVENR1601	1000	216	1116	700	1184	1858	579	180	156	648
WAFN31100MDVENR1601	1100	216	1215	700	1250	1983	593	252	228	913
WAFN31200MDVENR1601	1200	254	1334	700	1310	2128	593	252	228	1161

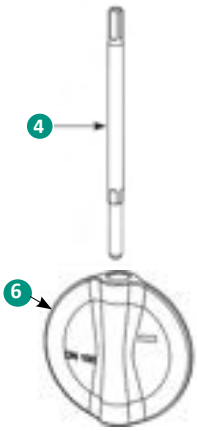
**Dimensions are in millimeters*

FIVC Butterfly Valve

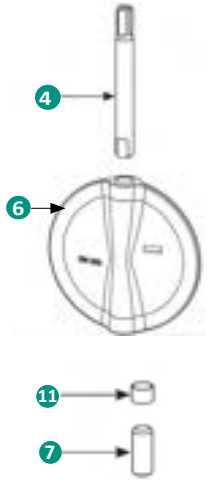
Ductile Iron – PN 16 – Wafer – Gearbox – Replaceable – Pinless – EN 1092-2

Product Specification

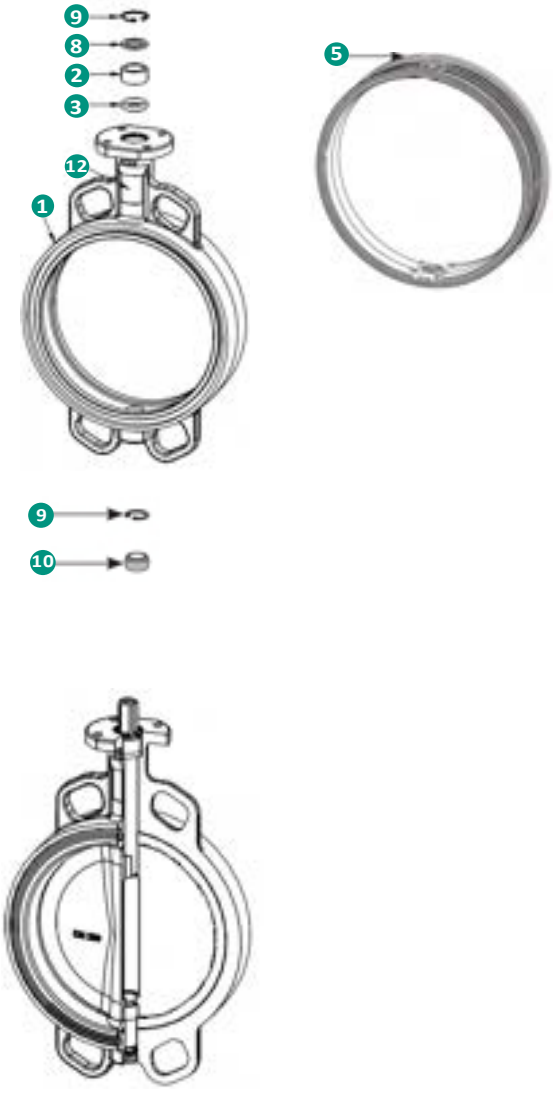
DN 50-100



DN 125-200



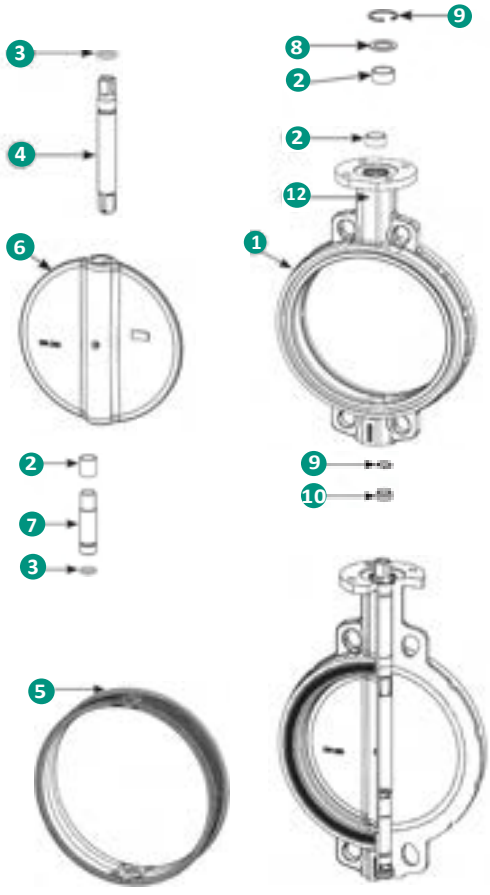
DN 50-200



DN 50-500

N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	DN 50-200: Acetal Delrin DN 250-400: Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Ductile Iron EN-GJS-400-15, Epoxy
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel
10	Lower plug	EPDM
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester

DN 250-500



FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Gearbox – Replaceable – Pinless – EN 1092-2

Product Specification

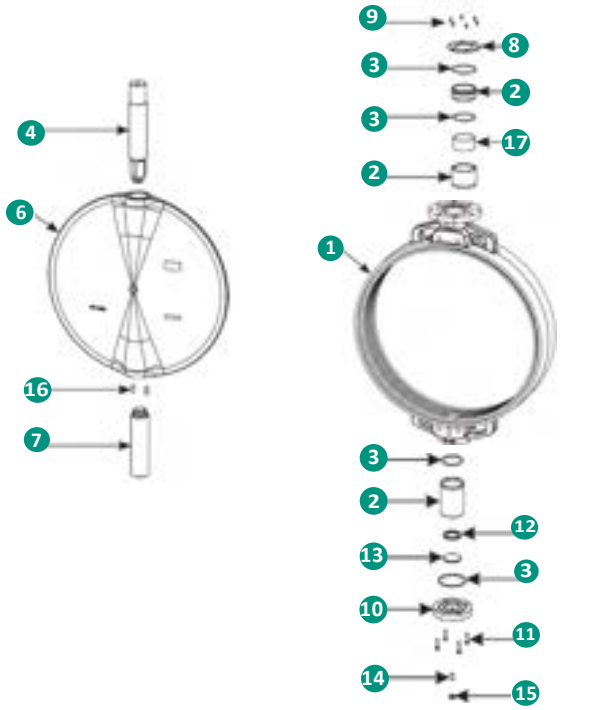
DN 600-1100



DN 600-1200



DN 1200



DN 600-1100

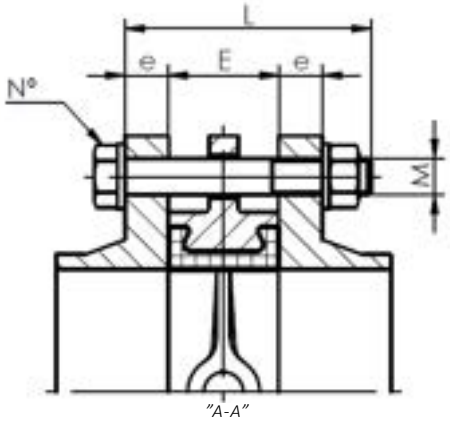
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Ductile Iron EN-GJS-400-15, Epoxy
7	Lower shaft	Stainless Steel AISI 420
8	Upper cover	Carbon Steel Coating Epoxy
9	Bolt upper cover	Zinc-plated Steel DN 7991
10	Lower cover	Carbon Steel Coating Epoxy
11	Seeger Ring	Zinc-plated Steel DIN 472
12	Screw	Zinc-plated Steel DIN 913
13	Retaining Ring Shaft	Zinc-plated Steel DIN 471 DN600/800
14	Features Tag	Polyester

DN 1200

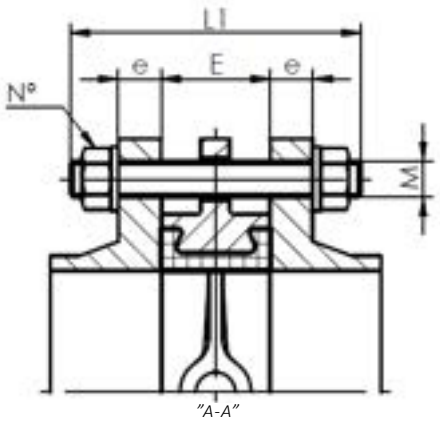
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	Bronze/Brass
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Ductile Iron EN-GJS-400-15, Epoxy
7	Lower shaft	Stainless Steel AISI 420
8	Upper cover	Carbon Steel Coating Epoxy
9	Bolt upper cover	Zinc-plated Steel DIN 7991
10	Lower cover	Carbon Steel Coating Epoxy
11	Bolt lower cover	Zinc-plated Steel DIN 931
12	Lover ring	Bronze/Brass
13	Friction Disc	Zinc-plated Steel
14	Screw	Zinc-plated Steel DIN 913
15	Nut	Zinc-plated Steel DIN 934
16	Keyway	Stainless Steel AISI 420
17	Bushing	Steel Bronze PTFE

Assembling screwing

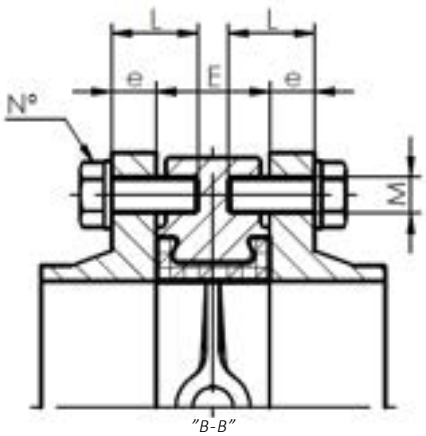
Screw



Link

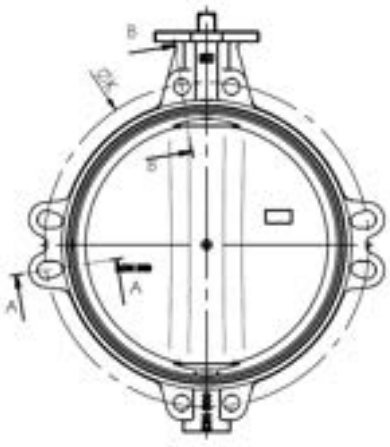


Screw Only



Product code	Size	ØK	E	e	M	L	L1	N°
WAFN30050MDVENR1601	50	125	43	18	M16	100	120	4
WAFN30065MDVENR1601	65	145	46	18	M16	100	120	4
WAFN30080MDVENR1601	80	160	46	20	M16	110	130	8
WAFN30100MDVENR1601	100	180	52	20	M16	110	130	8
WAFN30125MDVENR1601	125	210	56	22	M16	120	140	8
WAFN30150MDVENR1601	150	240	56	22	M20	130	150	8
WAFN30200MDVENR1601	200	295	60	24	M20	130	160	12
WAFN30250MDVENR1601	250	355	68	26	M24	150	170	12
WAFN30300MDVENR1601	300	410	78	28	M24	160	180	12
WAFN30350MDVENR1601	350	470	78	30	M24	170	190	16
WAFN30400MDVENR1601	400	525	102	32	M27	200	220	16
WAFN30450MDVENR1601	450	585	114	32	M27	210/60	240	16/8
WAFN30500MDVENR1601	500	650	127	34	M30	230	260	20
WAFN30600MDVENR1601	600	770	154	36	M33	260	290	20
WAFN30700MDVENR1601	700	840	165	36	M33	270/85	300	20/8
WAFN30750MDVENR1601	750	900	190	38	M33	300/100	340	20/8
WAFN30800MDVENR1601	800	950	190	38	M36	310/80	345	20/8
WAFN30900MDVENR1601	900	1050	203	40	M36	330/100	375	24/8
WAFN31000MDVENR1601	1000	1170	216	42	M39	345/100	390	24/8
WAFN31100MDVENR1601	1100	1270	216	48	M39	360/110	400	28/8
WAFN31200MDVENR1601	1200	1390	254	48	M45	395/115	445	28/8

DN 450	PN. 10-PN.16
DN 500	ANSI 150
DN 700/1200	PN. 10-PN.16-ANSI 150



FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Hand lever – Vulcanized – w/Pin – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Vulcanized EPDM
- Operation: 15° Notch hand lever in Malleable Iron
- Coating: Epoxy
- USP: Maintenance and installation efficient
- Standard: BS EN 593
- Dimensions: Face-to-Face acc. to EN 558 *(series 20)*
- Inspection test: BS EN 12266-1
- Type: Drilling: PN 16; Shaft: AISI 431; Thread: Wafer

Field of applications

- Temperature range: -15 to 120 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC (Heat Ventilation Air Conditioning)
- Fire fighting
- General services
- Irrigation
- Shipbuilding
- Powdery products

Description

FIVC Wafer Butterfly Valve with its vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions. Furthermore, the valve can be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu-Bronze
- Ductile Iron

Construction
- Pinless

Seat
- Replaceable
- Other seats upon request

Operation
- Gearbox
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20
- PN 25

Size
- DN 40+

Dimensions

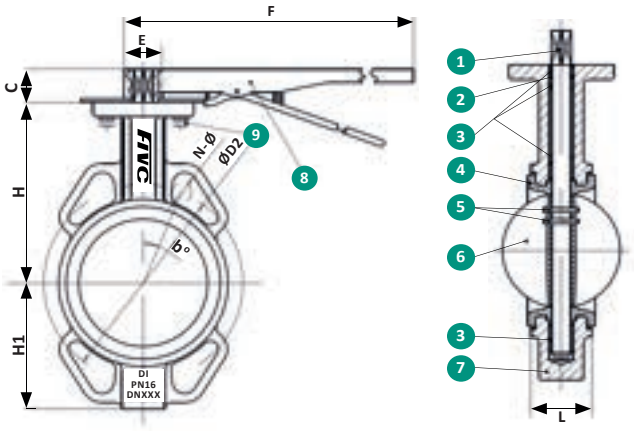
Product code	Size	H	H1	H2	L	ØD2	N-M	b°	E	F	Kg	OTV *(N.m)*	BTV *(N.m)*
WAFN50040MNEPV1620	40	105	73	32	33	110	4-Ø19	45	35	223	3.7	15.1	86
WAFN50050MNEPV1620	50	130	85	32	33	125	4-Ø19	45	35	223	3.9	16	86
WAFN50065MNEPV1620	65	140	94	32	46	145	4-Ø19	45	35	223	4.3	17.2	86
WAFN50080MNEPV1620	80	145	105	32	46	160	4-Ø19	22.5	35	223	5	23.1	86
WAFN50100MNEPV1620	100	160	126	32	52	180	4-Ø19	22.5	35	263	7	39.8	169
WAFN50125MNEPV1620	125	170	140	32	56	210	4-Ø19	22.5	35	263	9	61.9	291
WAFN50150MNEPV1620	150	190	151	32	56	240	4-Ø23	22.5	35	263	11	102	291
WAFN50200MNEPV1620	200	220	183	35	60	295	4-Ø23	15	48	358	28	192	465

Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value

FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Hand lever – Vulcanized – w/Pin – EN 1092-2

Product Specification



N°	Name	Material
1	Stem	Stainless Steel SS 431 ASTM A276/A276M-2017
2	O-Ring	NBR
3	Bushing	Brass C836600 + C37700
4	Seat	Vulcanized EPDM
5	Pin	Stainless Steel SS 431 DN 40-100: 1 pcs. DN 125-200: 2 pcs.
6	Disc	Stainless Steel CF8M ASTM A351
7	Body	Ductile Iron GGG 40 DIN 1693
8	Handle	Malleable Iron
9	Bolt	Stainless Steel SS 316

FIVC Butterfly Valve

Ductile Iron – PN 25 – Wafer – Hand lever – Vulcanized – w/Pin – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Vulcanized EPDM
- Operation: 15° Notch hand lever in Malleable Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- USP: Maintenance and installation efficient
- Standard: BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 25
  Shaft: SS AISI 431
  Thread: Wafer
- Testing: BS EN 12266-1
  Shell pressure: 3.75 MPa
  Sealing pressure: 2.75 MPa

Field of applications

- Temperature range: -20 to 120 °C
- Max. working pressure: 25 bar

- Petrochemical industry
- Irrigation systems
- Compressed air
- industries
- Textile industry
- Mechanical industry

Description

FIVC Wafer Butterfly Valve with its vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions. Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc	Construction	Seat	Operation
• Ductile Iron • Alu-Bronze	• Pinless	• Replaceable • Other seats upon request	• 15° Notch hand lever • Other operations upon request

Threading	Drilling	PN	Size
• UNC • Whitworth	• PN 16 • PN 20 • ANSI 150	• PN 16 • PN 20	• DN 40+

Product Information

Product code	Size	H	H1	H2	L	ØD2	N-Ø	b°	E	F	Kg	OTV *(N.m)*	BTV *(N.m)*
WAFN50040MNEPV2520	40	105	73	32	33	110	4-Ø19	45.0	35	223	3.2	23	86
WAFN50050MNEPV2520	50	130	85	32	33	125	4-Ø19	45.0	35	223	4.0	23	86
WAFN50065MNEPV2520	65	140	94	32	46	145	4-Ø19	22.5	35	223	5.0	26	86
WAFN50080MNEPV2520	80	145	105	32	46	160	4-Ø19	22.5	35	223	5.5	35	86
WAFN50100MNEPV2520	100	160	126	32	52	190	4-Ø23	22.5	35	223	7.7	60	169
WAFN50125MNEPV2520	125	170	140	32	56	220	4-Ø28	22.5	35	223	10.0	93	291
WAFN50150MNEPV2520	150	190	151	32	56	250	4-Ø28	22.5	35	223	12.0	153	291
WAFN50200MNEPV2520	200	220	183	35	60	310	4-Ø28	15.0	38	358	17.0	288	992

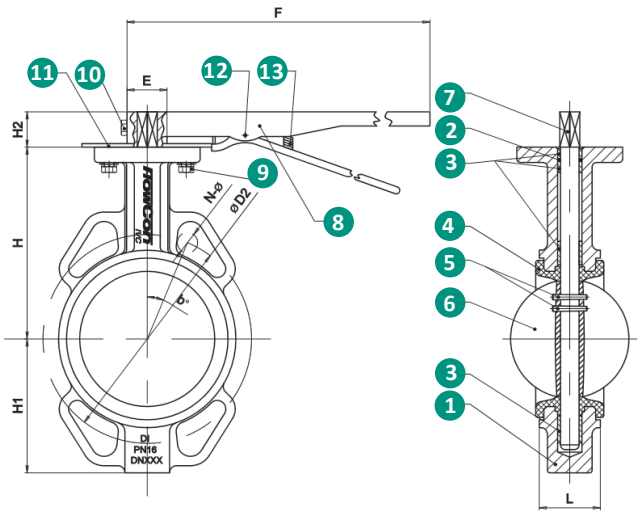
Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value

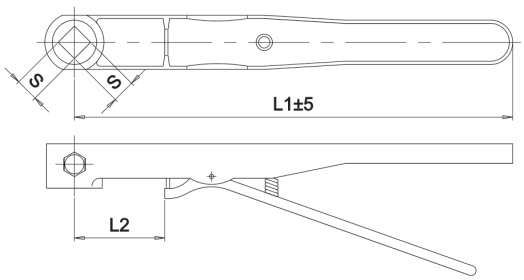
FIVC Butterfly Valve

Ductile Iron – PN 25 – Wafer – Hand lever – Vulcanized – w/Pin – EN 1092-2

Dimensions

DN 65-200





Product Specification

N°	Name	Material
1	Body	Ductile Iron GGG40
2	O-Ring	NBR
3	Bushing	Brass
4	Seat	Vulcanized EPDM
5	Pin	Stainless Steel 316
6	Disc	Stainless Steel CF8M
7	Stem	Stainless Steel 431
8	Handle	Malleable Iron + Epoxy
9	Bolt	Stainless Steel 316
10	Bolt	Stainless Steel 316
11	Notch Plate	Stainless Steel 316
12	Splint Pin	Carbon Steel 65Mn + Epoxy
13	Spring	Carbon Steel 65Mn + Epoxy

Product Information

Product code	L1	L2	SxS
DN 40	223	55	9x9
DN 50	223	55	9x9
DN 65	223	55	11x11
DN 80	223	55	11x11
DN 100	261	55	14x14
DN 125	261	55	14x14
DN 150	261	55	14x14
DN 200	358	76	17x17

FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Hand lever – Replaceable – Pinless – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Super Duplex
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Hand Lever
- Coating: Epoxy
- Standard: BS EN 593 top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face EN 558-1 *(series 20)* DIN 3202 T3 K1 ISO 5752 T5 API 609 BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16; Shaft: SS AISI 420; Thread: Wafer
- Tests: Hydraulic test 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water distribution
- HVAC
- Shipbuilding

Description

FIVC Wafer Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high-quality rotational disc, the valve features quick shut-off function.

Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pin-less construction leads to good corrosion resistance.

Furthermore, the valve can be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu-Bronze
- Ductile Iron
- Stainless Steel

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

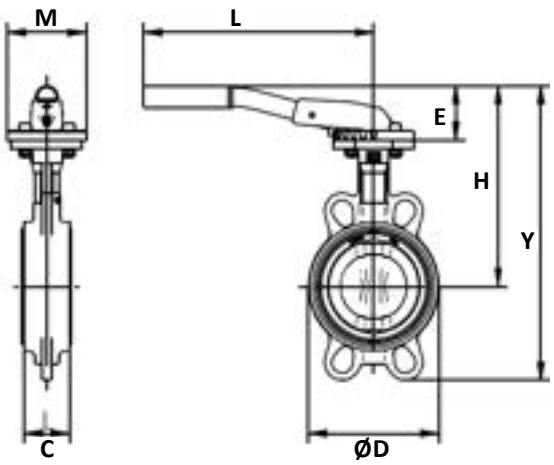
Operation
- 15° notch hand-lever
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

Dimensions



Product Information

Product code	Size	C	ØD	E	H	Y	L	M	Kg
WAFN110025MNENR1601	25	33	68	49	151.5	212	220	90	1.9
WAFN110032MNENR1601	32	33	68	49	151.5	212	220	90	1.9
WAFN110040MNENR1601	40	33	76	49	159	215	220	90	2.1
WAFN110050MNENR1601	50	43	100	49	169	231	220	90	2.9
WAFN110065MNENR1601	65	46	108	49	184	253	220	90	3.1
WAFN110080MNENR1601	80	46	124	60	201	295	260	90	3.7
WAFN110100MNENR1601	100	52	147	60	225	331	260	90	4.5
WAFN110125MNENR1601	125	56	180	75	255	382	315	90	6.8
WAFN110150MNENR1601	150	56	206	75	268	401	315	90	7.8
WAFN110200MNENR1601	200	60	257	75	300	470	315	90	11.7

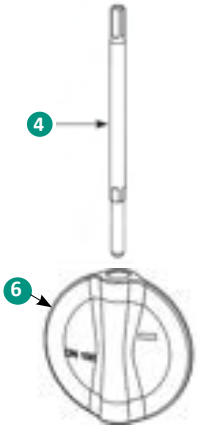
**Dimensions are in millimeters*

FIVC Butterfly Valve

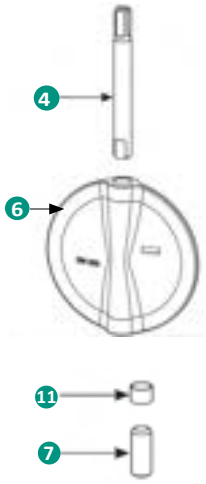
Ductile Iron – PN 16 – Wafer – Hand lever – Replaceable – Pinless – EN 1092-2

Product Specification

DN 50-100



DN 125-200



DN 50-200



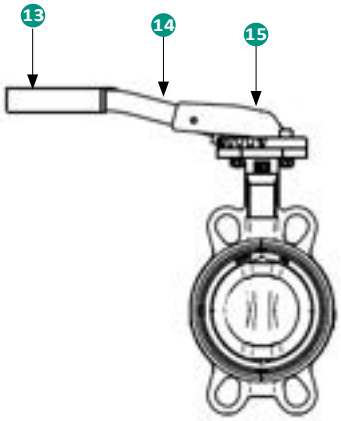


DN 200

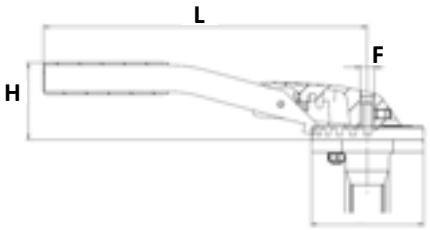


DN 50-200

N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	DN 50-200: Acetal Delrin
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Super Duplex 1.4469
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel
10	Lower plug	EPDM
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester
13	Hand Lever Cover	Vinyl
14	Hand Lever arm	Carbon Steel, Epoxy
15	Hand Lever head	Aluminum, Epoxy



Dimensions

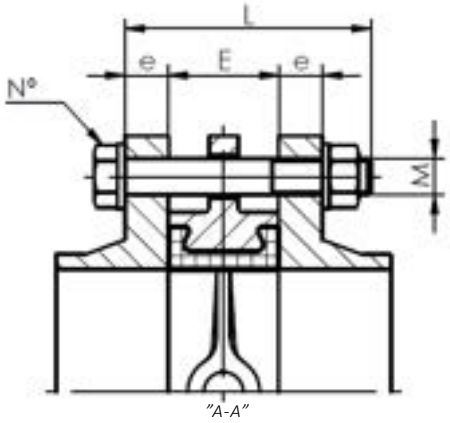


Product Information

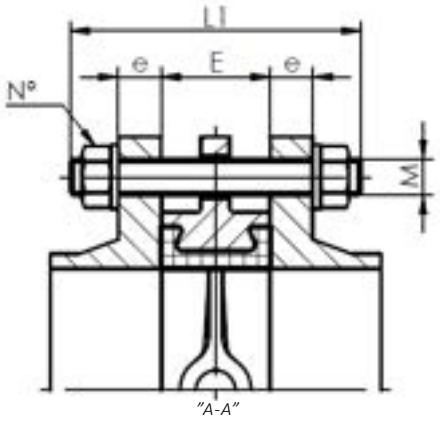
Product code	F	L	H	KG
DN 32-65	11	220	49	0.40
DN 80-100	11	260	60	0.45
DN 125-150	14	315	75	0.55
DN 200	17	315	75	0.55

Assembling screwing

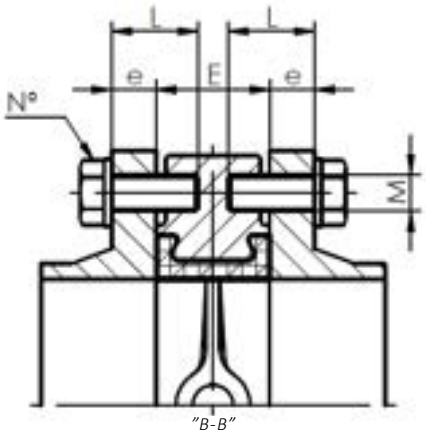
Screw



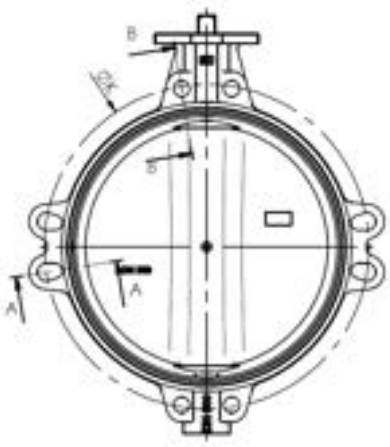
Link



Screw Only



Product code	Size	ØK	E	e	M	L	L1	N°
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WAFN110032MNENR1601	32	100	33	16	M16	90	110	4
WAFN110040MNENR1601	40	110	33	16	M16	90	110	4
WAFN110050MNENR1601	50	125	43	18	M16	100	120	4
WAFN110065MNENR1601	65	145	46	18	M16	100	120	4
WAFN110080MNENR1601	80	160	46	20	M16	110	130	8
WAFN110100MNENR1601	100	180	52	20	M16	110	130	8
WAFN110125MNENR1601	125	210	56	22	M16	120	140	8
WAFN110150MNENR1601	150	240	56	22	M20	130	150	8
WAFN110200MNENR1601	200	295	60	24	M20	130	160	12



FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Hand lever – Replaceable – Pinless – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Hand Lever
- Coating: Epoxy
- Standard: BS EN 593 top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face EN 558-1 *(series 20)*
  DIN 3202 T3 K1 ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Wafer
- Tests: Hydraulic test 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water distribution
- HVAC
- Shipbuilding

Description

FIVC Wafer Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high-quality rotational disc, the valve features quick shut-off function.
Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pin-less construction leads to good corrosion resistance.
Furthermore, the valve can be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu-Bronze
- Ductile Iron

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

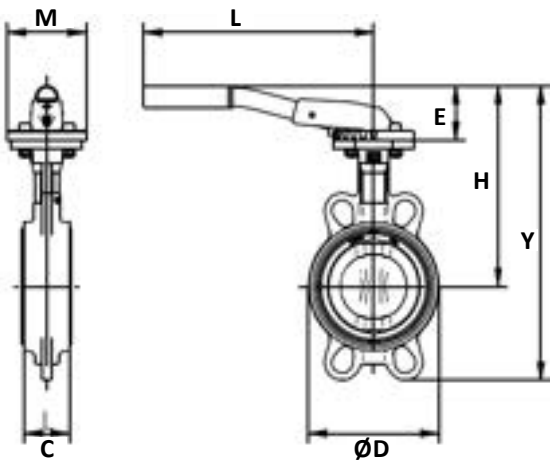
Operation
- 15° notch hand-lever
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

Dimensions



Product Information

Product code	Size	C	ØD	E	H	Y	L	M	Kg
WAFN50025MNENR1601	25	33	68	49	151.5	212	220	90	1.9
WAFN50032MNENR1601	32	33	68	49	151.5	212	220	90	1.9
WAFN50040MNENR1601	40	33	76	49	159	215	220	90	2.1
WAFN50050MNENR1601	50	43	100	49	169	231	220	90	2.9
WAFN50065MNENR1601	65	46	108	49	184	253	220	90	3.1
WAFN50080MNENR1601	80	46	124	60	201	295	260	90	3.7
WAFN50100MNENR1601	100	52	147	60	225	331	260	90	4.5
WAFN50125MNENR1601	125	56	180	75	255	382	315	90	6.8
WAFN50150MNENR1601	150	56	206	75	268	401	315	90	7.8
WAFN50200MNENR1601	200	60	257	75	300	470	315	90	11.7

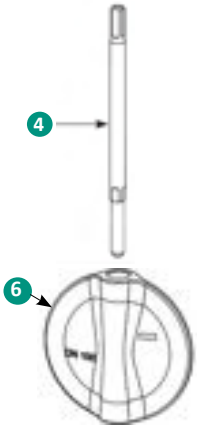
**Dimensions are in millimeters*

FIVC Butterfly Valve

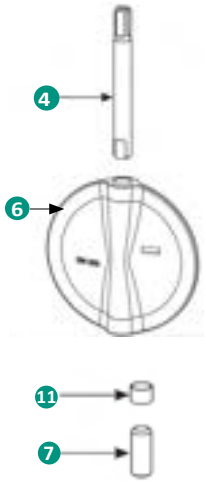
Ductile Iron – PN 16 – Wafer – Hand lever – Replaceable – Pinless – EN 1092-2

Product Specification

DN 50-100



DN 125-200



DN 50-200



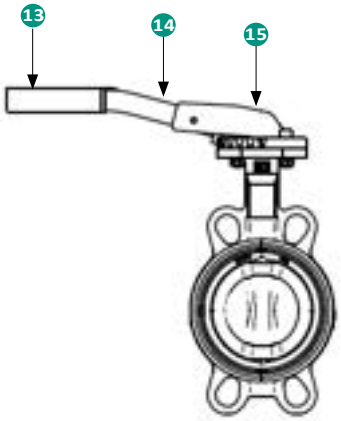


DN 200

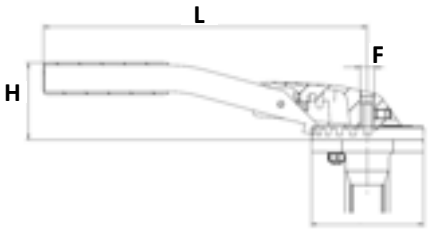


DN 50-200

N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	DN 50-200: Acetal Delrin
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Stainless Steel AISI 420
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel
10	Lower plug	EPDM
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester
13	Hand Lever Cover	Vinyl
14	Hand Lever arm	Carbon Steel, Epoxy
15	Hand Lever head	Aluminum, Epoxy



Dimensions

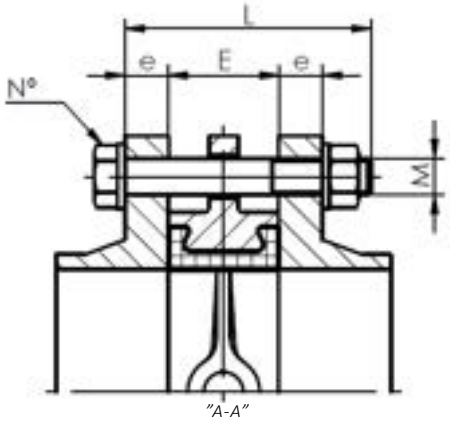


Product Information

Product code	F	L	H	KG
DN 32-65	11	220	49	0.40
DN 80-100	11	260	60	0.45
DN 125-150	14	315	75	0.55
DN 200	17	315	75	0.55

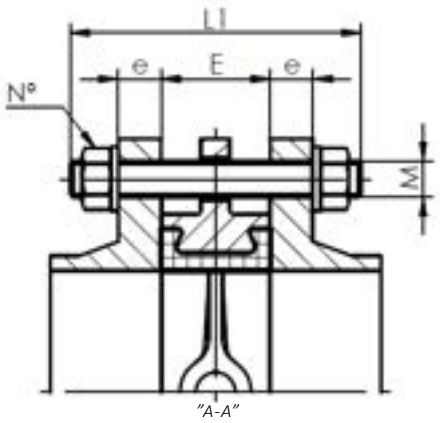
Assembling screwing

Screw



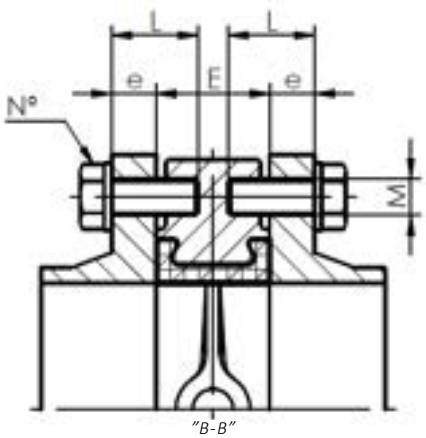
"A-A"

Link



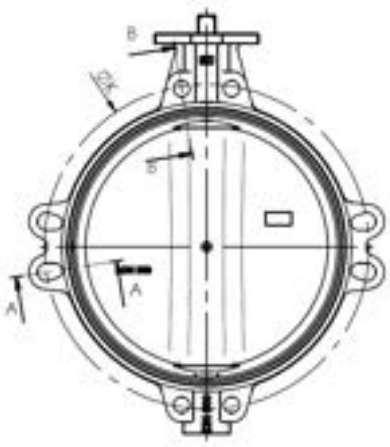
"A-A"

Screw Only



"B-B"

Product code	Size	ØK	E	e	M	L	L1	N°
WAFN50025MNENR1601	25	85	33	16	M12	90	110	4
WAFN50032MNENR1601	32	100	33	16	M16	90	110	4
WAFN50040MNENR1601	40	110	33	16	M16	90	110	4
WAFN50050MNENR1601	50	125	43	18	M16	100	120	4
WAFN50065MNENR1601	65	145	46	18	M16	100	120	4
WAFN50080MNENR1601	80	160	46	20	M16	110	130	8
WAFN50100MNENR1601	100	180	52	20	M16	110	130	8
WAFN50125MNENR1601	125	210	56	22	M16	120	140	8
WAFN50150MNENR1601	150	240	56	22	M20	130	150	8
WAFN50200MNENR1601	200	295	60	24	M20	130	160	12



FIVC Butterfly Valve

Ductile Iron – PN 25 – Wafer – Hand lever – Glued – Pinless – EN 1092-2



WAF series

Technical data

Main features and materials

• Body:	Ductile Iron	
• Disc:	Stainless Steel	
• Stem:	Stainless Steel	
• Seat:	Glued EPDM	
• Operation:	15° notch hand lever in Malleable Iron	
• Coating:	Epoxy RAL 5015 *(120 µ)*	
• Dimensions:	Face-to-Face acc. to EN 558-1 *(series 20)*	
• Design:	EN 593	
• Type:	Drilling:	PN 25
	Shaft:	SS AISI 420
	Thread:	Wafer
• Hydrostatic test: /resistance	EN 12266-1 Open valve: 37.5 Kg/cm³ Closed valve: 27.5 kg/cm³	

Field of applications

• Temperature range:	-20 to 110 °C
• Max. working pressure:	25 bar

- HVAC
- Water distribution
- Fire fighting
- Shipbuilding
- Neutral fluids
- Gas distribution

Description

FIVC Wafer Butterfly Valve with its glued seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Since the valve is pinless, the disc is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can easily be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu Bronze
- Ductile Iron

Construction
- w/Pin

Seat
- Vulcanized
- Replaceable

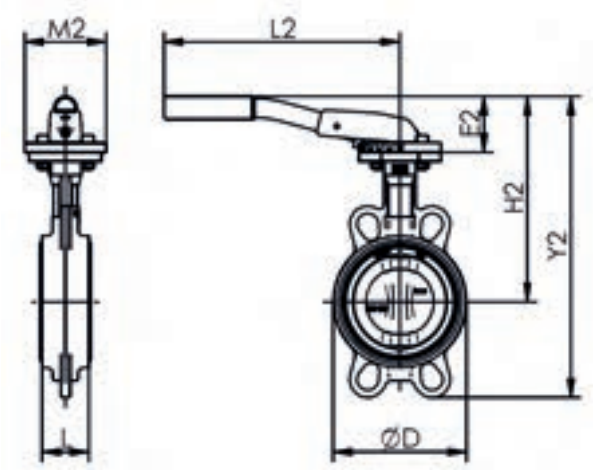
Operation
- Gearbox
- Actuator
- Other operations upon request

Drilling
- PN 16
- PN 20
- ANSI 150

PN
- PN 16 (w/pin)
- PN 20 (w/pin)

Size
- DN 40+

Dimensions



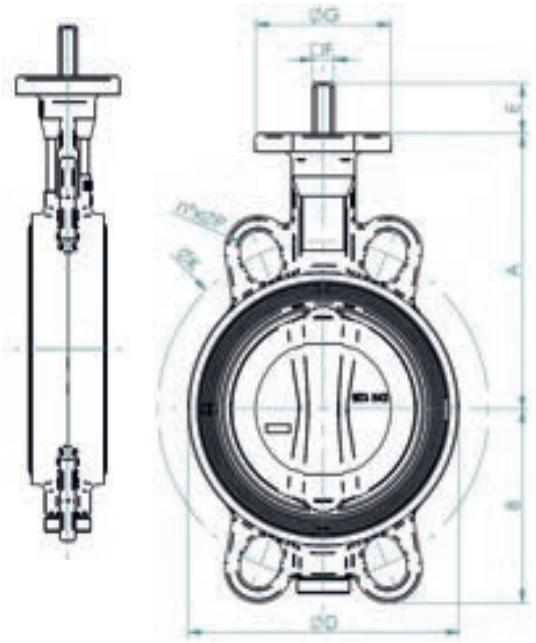
Product code	Size	D	L	E2	H2	Y2	L2	M2	Kg
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WAFN50032MNENG2501	32	68	33	49	151.5	212	220	90	1.9
WAFN50040MNENG2501	40	76	33	49	159	215	220	90	2.1
WAFN50050MNENG2501	50	100	43	49	169	231	220	90	2.9
WAFN50065MNENG2501	65	108	46	49	184	253	220	90	3.1
WAFN50080MNENG2501	80	124	46	60	201	295	260	90	3.7
WAFN50100MNENG2501	100	147	52	60	225	331	260	90	4.5
WAFN50125MNENG2501	125	180	56	75	255	382	315	90	6.8
WAFN50150MNENG2501	150	206	56	75	268	401	315	90	7.8
WAFN50200MNENG2501	200	257	60	75	300	470	315	90	11.7

Dimensions are in millimeters

FIVC Butterfly Valve

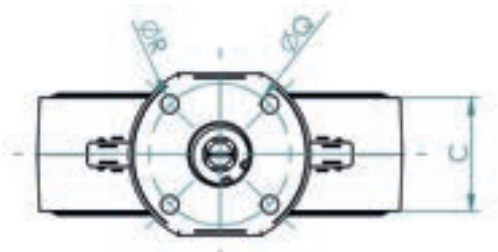
Ductile Iron – PN 25 – Wafer – Hand lever – Glued – Pinless – EN 1092-2

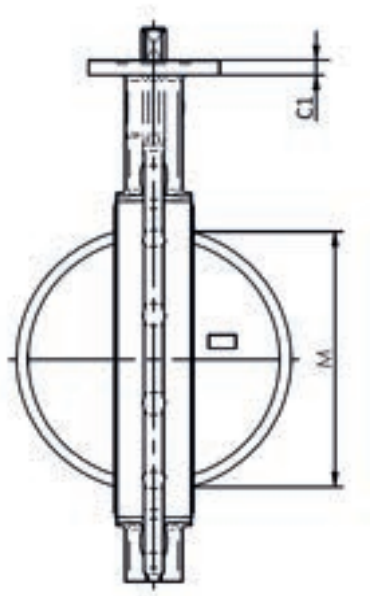
Dimensions of the bare shaft



Product code	Size	A	B	C	ØD	E	F	ØG	ØK
WAFN50025MNENG2501	25	102.5.	60	33	68	30	11	90	85
WAFN50032MNENG2501	32	102.5	60	33	68	30	11	90	100
WAFN50040MNENG2501	40	110	56	33	76	30	11	90	110
WAFN50050MNENG2501	50	120	61	43	100	30	11	90	125
WAFN50065MNENG2501	65	135	69	46	108	30	11	90	145
WAFN50080MNENG2501	80	141	94	46	124	30	11	90	160
WAFN50100MNENG2501	100	165	106	52	147	30	11	90	190
WAFN50125MNENG2501	125	180	126	56	180	33	14	90	220
WAFN50150MNENG2501	150	193	133	56	206	33	14	90	250
WAFN50200MNENG2501	200	225	170	60	257	33	17	90	310

Dimensions are in millimeters





Product code	Size	N°ØP	ISO	ØQ	ØR	C1	M
WAFN50025MNENG2501	25	4xØ14	F-07	70	4x9	8	14
WAFN50032MNENG2501	32	4xØ18	F-07	70	4x9	8	14
WAFN50040MNENG2501	40	4xØ18	F-07	70	4x9	10	26
WAFN50050MNENG2501	50	4xØ18	F-07	70	4x9	10	29
WAFN50065MNENG2501	65	4xØ18	F-07	70	4x9	10	46
WAFN50080MNENG2501	80	4xØ18	F-07	70	4x9	10	65
WAFN50100MNENG2501	100	8xØ23	F-07	70	4x9	10	90
WAFN50125MNENG2501	125	8xØ27	F-07	70	4x9	12	112
WAFN50150MNENG2501	150	8xØ27	F-07	70	4x9	12	139
WAFN50200MNENG2501	200	12xØ27	F-07	70	4x9	12	191

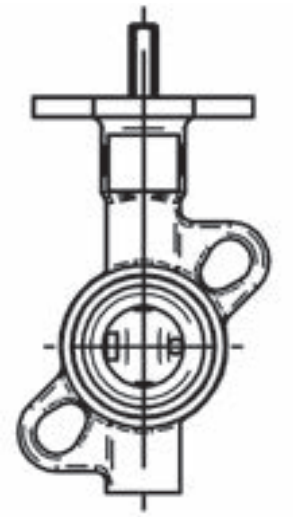
Dimensions are in millimeters

FIVC Butterfly Valve

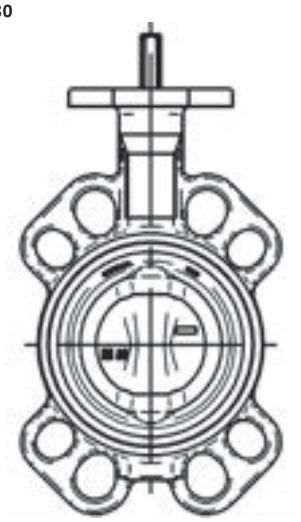
Ductile Iron – PN 25 – Wafer – Hand lever – Glued – Pinless – EN 1092-2

Valve design

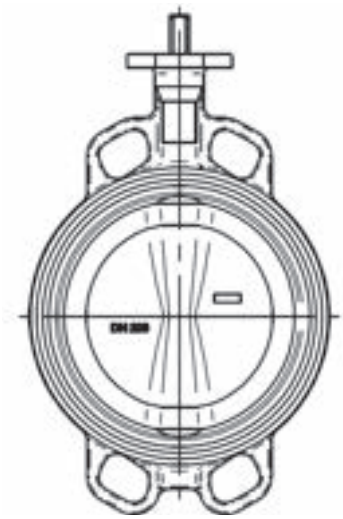
DN 25-32



DN 80

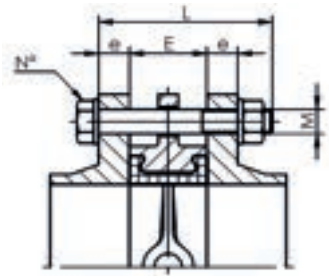


DN 40-65 and DN 100-200

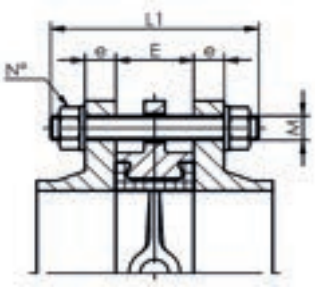


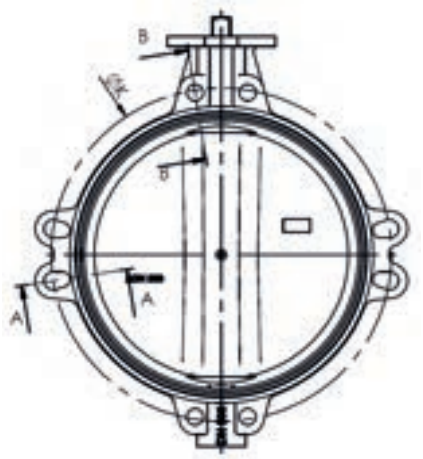
Screw assembly

AA screw



AA Link



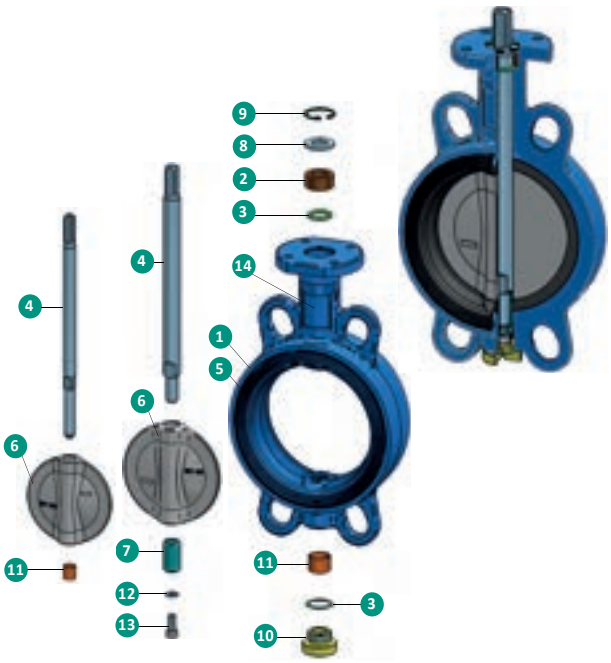


Product code	Size	E	K	e	M	L	L1	N°
WAFN50025MNENG2501	25	33	85	16	M12	90	110	4
WAFN50032MNENG2501	32	33	100	16	M16	90	110	4
WAFN50040MNENG2501	40	33	110	16	M16	90	110	4
WAFN50050MNENG2501	50	43	125	18	M16	100	120	4
WAFN50065MNENG2501	65	46	145	18	M16	100	120	4
WAFN50080MNENG2501	80	46	160	20	M16	110	130	8
WAFN50100MNENG2501	100	52	180	20	M16	110	130	8
WAFN50125MNENG2501	125	56	210	22	M16	120	140	8
WAFN50150MNENG2501	150	56	240	22	M20	130	150	8
WAFN50200MNENG2501	200	60	295	24	M20	130	160	12

Dimensions are in millimeters

Product Specification

DN 25-100 **DN 125-200**



N°	Name	Material
1	Body	Ductile Iron GJS-400-15 EN 1563
2	Bushing	DN 40-200: Bronze-Brass 6 pcs.
3	O-Ring	Nitrile DN 25-100: 1 pcs. DN 125-200: 2 pcs.
4	Upper shaft	DN 25-100: Stainless Steel AISI 420 DN 125-200: Stainless Steel 1.4542
5	Seat	Glued EPDM
6	Disc	Stainless Steel A 351 Gr. CF8M
7	Lower shaft	DN 125-200: Stainless Steel 1.4542
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel DIN 472 1 pcs.
10	Lower plug	DN 125-200: Stainless Steel AISI 420
11	Bushing	Stainless Steel-Bronze-PTFE
12	Spring lock washer	DN 125-200: Stainless Steel AISI 304 DIN 127 2 pcs.
13	Screw	DN 125-200: Stainless Steel AISI 304 DIN 912
14	Features tag	Polyester
15	Coating	Epoxy RAL 5015 - 120µ

FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Gearbox – Vulcanized – w/Pin – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Vulcanized EPDM
- Operation: Gearbox in Ductile Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- USP: Maintenance and installation efficient
- Standard: BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 16
  Shaft: SS AISI 431
  Thread: Wafer
- Testing: BS EN 12266-1
  Shell pressure: 2.40 MPa
  Sealing pressure: 1.76 MPa

Field of applications

- Temperature range: -20 to 120 °C
- Max. working pressure: 16 bar

- Petrochemical industry
- Irrigation systems
- Compressed air
- industries
- Textile industry
- Mechanical industry

Description

FIVC Wafer Butterfly Valve with its vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions. Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc	Construction	Seat	Operation
• Alu-Bronze • Ductile Iron	• Pinless	• Replaceable • Other seats upon request	• 15° Notch hand lever • Other operations upon request

Threading	Drilling	PN	Size
• UNC • Whitworth	• PN 20 • PN 25 • ANSI 150	• PN 20 • PN 25	• DN 40+

Product Information

Product code	Size	H	H1	H3	L	ØD2	N-M	a°-b°	E	C	F	V	Kg	OTV *(N.m)*	BTV *(N.m)*	Gearbox		
																OT N-M	Ratio	N° of turns
WAFN50065MDVEPV1620	65	140	94	-	46	145	4-Ø19	45.0	65		154	135	8.0	17.2	86	200	24:1	6.0
WAFN0080MDVEPV1620	80	145	105	-	46	160	4-Ø19	22.5	65		154	135	8.5	23.1	86	200	24:1	6.0
WAFN50100MDVEPV1620	100	160	126	-	52	180	4-Ø19	22.5	65		154	135	9.5	39.8	169	200	24:1	6.0
WAFN50125MDVEPV1620	125	170	140	-	56	210	4-Ø19	22.5	65		154	135	12.5	61.9	291	200	24:1	6.0
WAFN50150MDVEPV1620	150	190	151	-	56	240	4-Ø23	22.5	65		154	135	14.0	102	291	200	24:1	6.0
WAFN50200MDVEPV1620	200	220	183	-	60	295	4-Ø23	15.0	77		225	285	22.0	192	465	500	30:1	7.5
WAFN50250MDVEPV1620	250	260	217	-	68	355	4-Ø28	15.0	77		225	285	33.0	323	993	500	30:1	7.5
WAFN50300MDVEPV1620	300	290	252	-	78	410	4-Ø28	15.0	80		215	285	47.0	490	1360	1200	50:1	12.5
WAFN50350MDVEPV1620	350	320	285	-	78	470	4-Ø28	11.25	80		215	285	57.0	625	1360	1200	50:1	12.5
WAFN50400MDVEPV1620	400	356	315	271	102	525	4-Ø31	11.25	120	56	124	385	90.0	846	2356	1800	80:1	20.0
WAFN50450MDVEPV1620	450	387	384	271	114	585	4-Ø31	9.0	120	56	124	385	118.0	1131	3394	1800	80:1	20.0
WAFN50500MDVEPV1620	500	424	390	271	127	650	4-Ø34	9.0		121	256	285	160.0	1431	4120	2500	560:1	140
WAFN50600MDVEPV1620	600	524	455	330	154	770	4-Ø37	9.0		130	285	385	250.0	2301	6781	4000	640:1	160

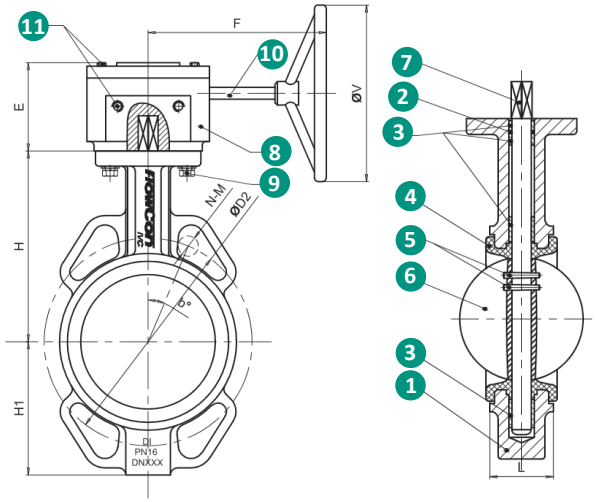
Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value

FIVC Butterfly Valve

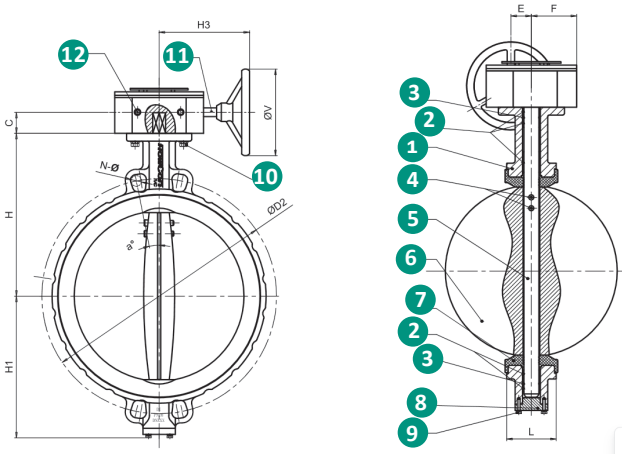
Ductile Iron – PN 16 – Wafer – Gearbox – Vulcanized – w/Pin – EN 1092-2

Dimensions

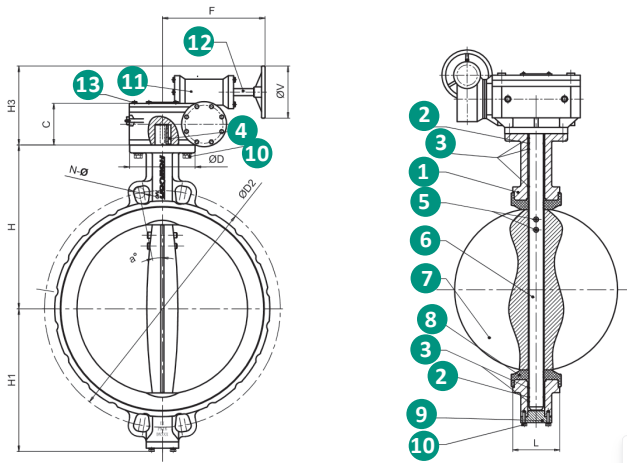
DN 65-350



DN 400-450



DN 500-600



Product Specification

N°	Name	Material
1	Body	Ductile Iron GGG40
2	O-Ring	NBR
3	Bushing	Brass
4	Seat	Vulcanized EPDM
5	Pin	Stainless Steel 316
6	Disc	Stainless Steel CF8M
7	Stem	Stainless Steel 431
8	Gearbox	Ductile Iron GGG40
9	Bolt	Stainless Steel 316
10	Input Shaft	Stainless Steel 304
11	Bolt	Stainless Steel 304

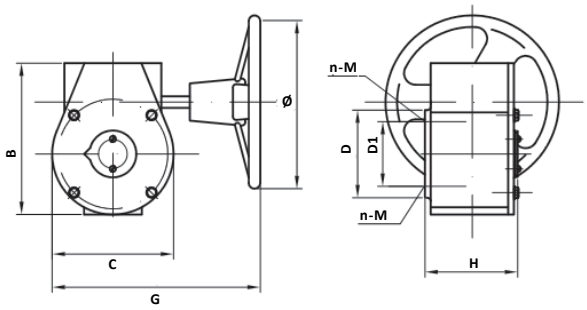
N°	Name	Material
1	Body	Ductile Iron GGG40
2	Bushing	Brass
3	O-Ring	NBR
4	Pin	Stainless Steel 316
5	Stem	Stainless Steel 431
6	Disc	Stainless Steel CF8M
7	Seat	Vulcanized EPDM
8	Cover	Ductile Iron GGG40
9	Bolts and accessories	Stainless Steel 316
10	Bolt	Stainless Steel 316
11	Input Shaft	Stainless Steel 304
12	Bolts	Stainless Steel 304

N°	Name	Material
1	Body	Ductile Iron GGG40
2	O-Ring	NBR
3	Bushing	Brass
4	Key	Carbon Steel
5	Pin	Stainless Steel 316
6	Stem	Stainless Steel 431
7	Disc	Stainless Steel CF8M
8	Seat	Vulcanized EPDM
9	Cover	Ductile Iron GGG40
10	Bolts and accessories	Stainless Steel 316
11	Gearbox	Ductile Iron GGG40
12	Input Shaft	Stainless Steel 304
13	Bolts	Stainless Steel 304

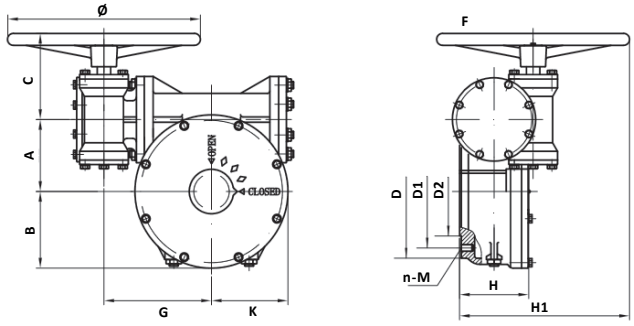
FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Gearbox – Vulcanized – w/Pin – EN 1092-2

DN 65-450



DN 500-600



Gearbox Dimensions

Valve size	A	B	C	D	D1	D2	H	H1	G	K	Ø	n-M
65-150	-	125	102	90	70	-	65		203	-	135	-
200-250	-	167	141	125	102	-	79		295	-	285	-
300-350	-	188	152	175	140	-	80		291	-	285	-
400-450	-	279	247	210	165		109		336		390	
500	100	107	156	210	165	130	125	271	168	107	285	4-M20
600	125	131	160	210	165	130	136	330	193	131	385	4-M20

Dimensions are in millimeters

FIVC Butterfly Valve

Ductile Iron – PN 25 – Wafer – Gearbox – Vulcanized – w/Pin – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Vulcanized EPDM
- Operation: Gearbox in Ductile Iron
- Coating: Epoxy
- USP: Maintenance and installation efficient
- Standard: BS EN 593
- Dimensions: Face-to-Face acc. to EN 558 *(series 20)*
- Inspection test: BS EN 12266-1
- Type:
  - Drilling: PN 25
  - Shaft: DN 65-350: SS AISI 316
    DN 400+: SS AISI 630
  - Thread: Wafer

Field of applications

- Temperature range: -15 to 120 °C
- Max. working pressure: 25 bar

- Water treatment plants and Water distribution
- HVAC (Heat Ventilation Air Conditioning)
- Fire fighting
- General services
- Irrigation
- Shipbuilding
- Powdery products

Description

FIVC Wafer Butterfly Valve with its vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions. Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu-Bronze
- Ductile Iron

Construction
- Pinless

Seat
- Replaceable
- Other seats upon request

Operation
- 15° Notch hand lever
- Other operations upon request

Drilling
- PN 16
- PN 20
- ANSI 150

PN
- PN 16
- PN 20

Size
- DN 40+

Product Information

Product code	Size *(DN)*	H*	H1*	L*	ØD2*	N-M	b° *or* a°	E*	F*	Øv* *or* V*	Kg	OTV *(N.m)*	BTV *(N.m)*	Gearbox		
														OT *N-M*	Ratio	N° of turns
WAFN50065MDVEPV2520	65	140	94	46	145	4-Ø19	22.5	65	154	135	9.5	26	86	200	24:1	6
WAFN50080MDVEPV2520	80	145	105	46	160	4-Ø19	22.5	65	154	135	10.6	35	86	200	24:1	6
WAFN0100MDVEPV2520	100	160	126	52	190	4-Ø23	22.5	65	154	135	12.5	60	169	200	24:1	6
WAFN50125MDVEPV2520	125	170	140	56	220	4-Ø28	22.5	65	154	135	15	93	291	200	24:1	6
WAFN50150MDVEPV2520	150	190	151	56	250	4-Ø28	22.5	65	154	135	17	153	291	200	24:1	6
WAFN50200MDVEPV2520	200	220	183	60	310	4-Ø28	15	77	225	285	30	288	992	500	32:1	8
WAFN50250MDVEPV2520	250	260	217	68	370	4-Ø31	15	77	225	285	38	485	1360	500	32:1	8
WAFN50300MDVEPV2520	300	290	252	78	430	4-Ø31	11.25	80	215	285	55	735	1563	1200	50:1	12.5
WAFN50350MDVEPV2520	350	320	285	78	490	4-Ø34	11.25	80	215	285	70	938	2356	1200	50:1	12.5
WAFN50400MDVEPV2521	400	356	325	102	550	4-Ø37	11.25	121	256	285	145	1269	3928	2.5x10³	560:1	140
WAFN50450MDVEPV2521	450	387	384	114	600	4-Ø37	9	121	256	285	170	1697	5072	2.5x10³	560:1	140
WAFN50500MDVEPV2521	500	424	392	127	660	4-Ø37	9	121	256	285	230	2147	6788	2.5x10³	560:1	140
WAFN50600MDVEPV2521	600	524	455	154	770	4-Ø41	9	-	285	385	300	3452	10780	4x10³	506:1	140

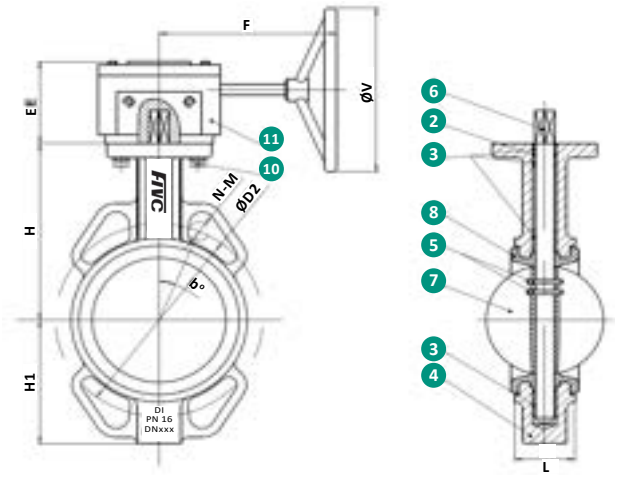
**Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value*

FIVC Butterfly Valve

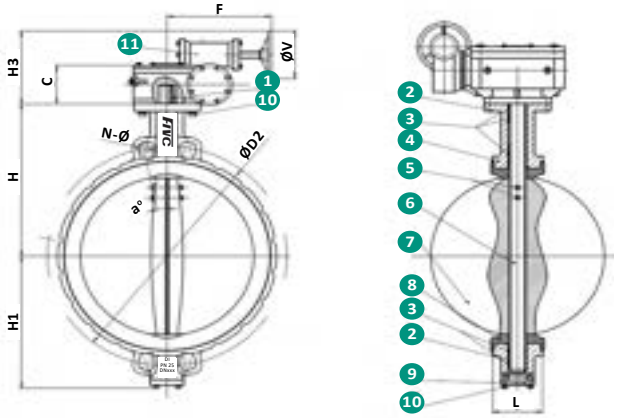
Ductile Iron – PN 25 – Wafer – Gearbox – Vulcanized – w/Pin – EN 1092-2

Dimensions

DN 65-350



DN 400-600



Product Specification

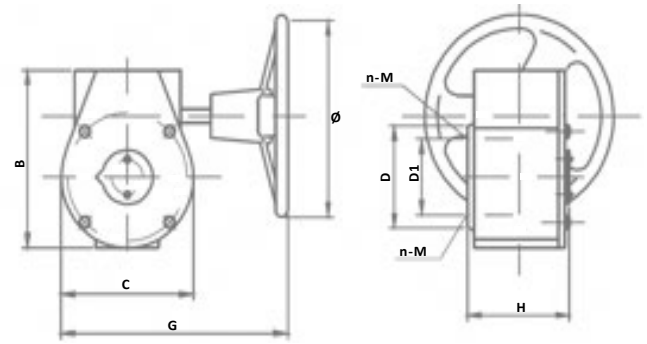
N°	Name	Material
1	Key *Only for DN 600+*	Carbon Steel *(2 pcs)*
2	O-Ring	NBR
3	Bushing	Brass
4	Body	Ductile Iron
5	Pin	Stainless Steel SS 316 DN 40-100: 1 pcs. DN 125+: 2 pcs.
6	Stem	DN 65-350: Stainless Steel SS 316 DN 400+: Stainless Steel SS 630
7	Disc	Stainless Steel CF8M
8	Seat	Vulcanized EPDM
9	Cover	Ductile Iron
10	Bolts and accessories	Stainless Steel SS 316
11	Gearbox	Ductile Iron

Gearbox Dimensions

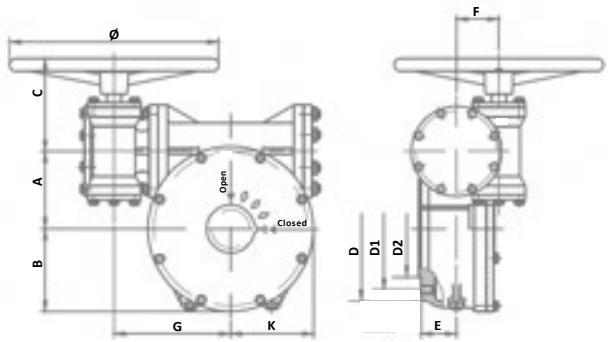
Valve size *(DN)*	A*	B*	C*	D*	D1*	D2*	E-H*	F*	G*	K*	Φ*	n-M
65-150	-	125	102	92	70	-	65	-	203	-	135	-
200-250	-	167	141	125	102	-	79	-	295	-	285	-
300-350	-	188	152	125	102	-	80	-	291	-	285	-
400-500	100	107	162	175	140	100	67	60	170	107	285	4-M16/ 4-M20
600	125	131	172	276	165	-	65	66	192	131	385	4-M20
700-800	140	146	200	300	254	200	72	88	224	146	425	8-M16

**Dimensions are in millimeters*

DN 65-350



DN 400 – 800



FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Gearbox – Replaceable – Pinless – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Gearbox in Ductile Iron
- Coating: Epoxy
- Standard: BS EN 593 top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face EN 558-1 *(series 20)*
  DIN 3202 T3 K1 ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Wafer
- Tests: Hydraulic test 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water distribution
- HVAC
- Shipbuilding

Description

FIVC Wafer Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function. Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can by its high quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive Nº 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu-Bronze
- Ductile Iron

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

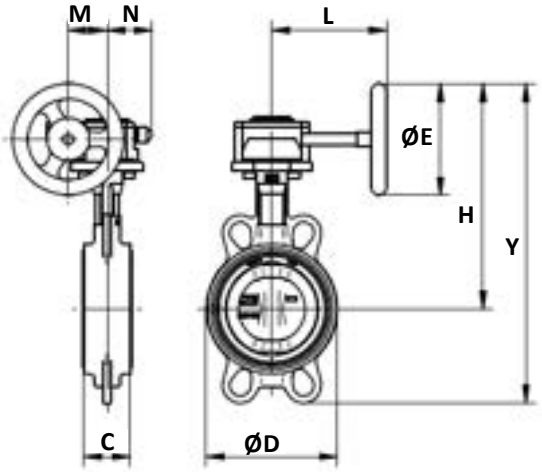
Operation
- 15º notch hand-lever
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

Dimensions



Product Information

Product code	Size	C	ØD	ØE	H	Y	L	M	N	Kg
WAFN50050MDVENR1601	50	43	100	125	208	269	129	43.5	50.5	3.7
WAFN50065MDVENR1601	65	46	108	125	223	292	129	43.5	50.5	4.0
WAFN50080MDVENR1601	80	46	124	125	229	323	129	43.5	50.5	4.4
WAFN50100MDVENR1601	100	52	147	125	253	359	129	43.5	50.5	5.2
WAFN50125MDVENR1601	125	56	180	160	286	412	135	43.5	50.5	7.6
WAFN50150MDVENR1601	150	56	206	160	298	431	135	43.5	50.5	8.7
WAFN50200MDVENR1601	200	60	257	200	355	525	152	52.5	59	13.7
WAFN50250MDVENR1601	250	68	324	250	442	652	222	61.2	70.5	23.7
WAFN50300MDVENR1601	300	78	376	250	468	708	222	61.2	70.5	33.0
WAFN50350MDVENR1601	350	78	422	250	498	762	222	61.2	70.5	38.7
WAFN50400MDVENR1601	400	102	480	300	572	880	277	68.8	72.5	64.5
WAFN50450MDVENR1601	450	114	536	400	630	970	321	96.5	91.5	99
WAFN50500MDVENR1601	500	127	593	400	682	1062	321	96.5	91.5	133
WAFN50600MDVENR1601	600	154	690	500	798	1239	408	138	140	206
WAFN50700MDVENR1601	700	165	780	600	914	1400	456	138	140	271
WAFN50750MDVENR1601	750	190	836	600	944	1474	456	138	140	337
WAFN50800MDVENR1601	800	190	902	700	1044	1608	510	180	156	408
WAFN50900MDVENR1601	900	203	1010	700	1108	1718	510	180	156	521
WAFN51000MDVENR1601	1000	216	1116	700	1184	1858	579	180	156	648
WAFN51100MDVENR1601	1100	216	1215	700	1250	1983	593	252	228	913
WAFN51200MDVENR1601	1200	254	1334	700	1310	2128	593	252	228	1161

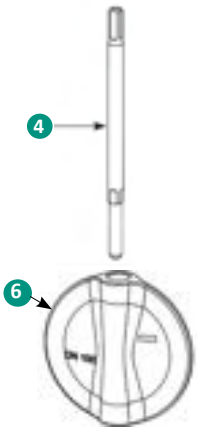
**Dimensions are in millimeters*

FIVC Butterfly Valve

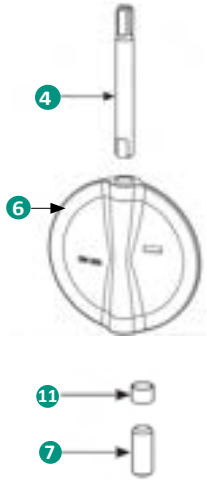
Ductile Iron – PN 16 – Wafer – Gearbox – Replaceable – Pinless – EN 1092-2

Product Specification

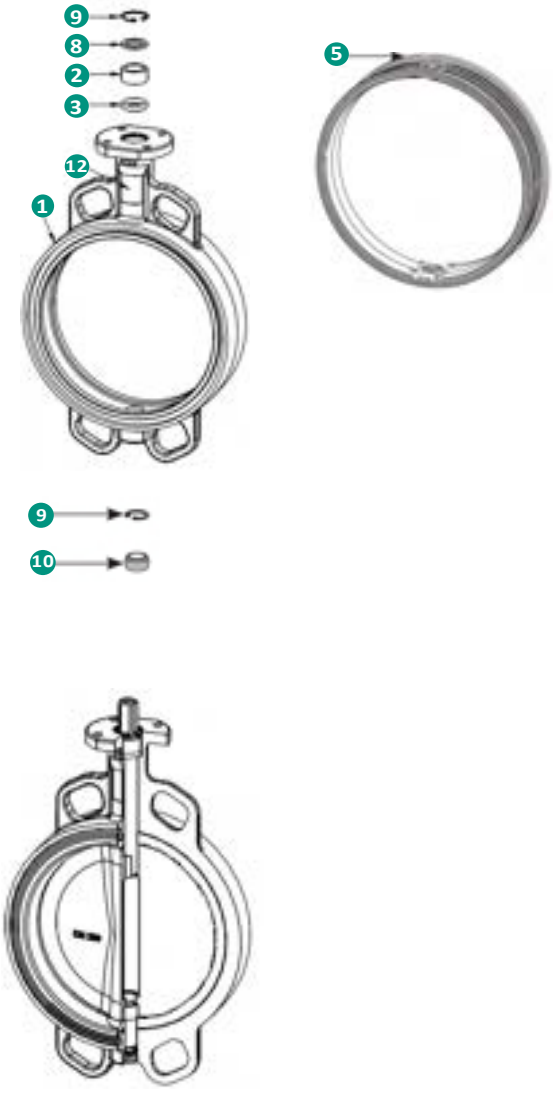
DN 50-100



DN 125-200



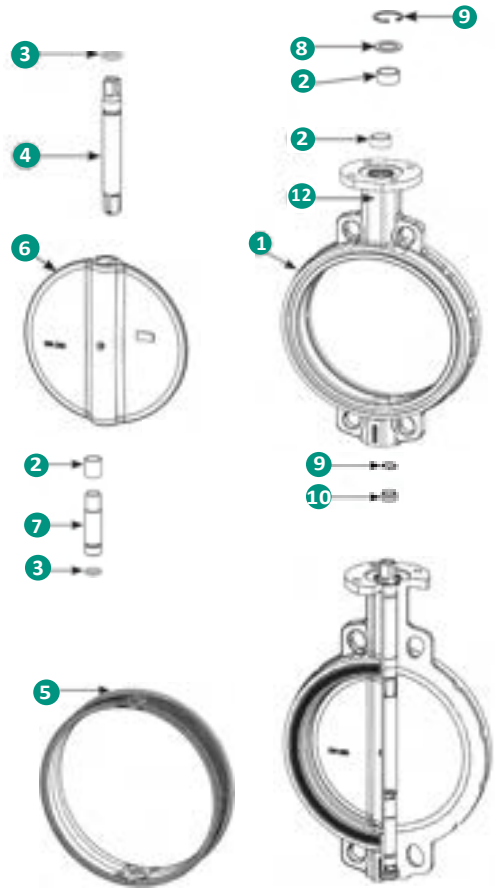
DN 50-200



DN 50-500

N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	DN 50-200: Acetal Delrin DN 250-400: Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Stainless Steel AISI 420
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel
10	Lower plug	EPDM
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester

DN 250-500



FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Gearbox – Replaceable – Pinless – EN 1092-2

Product Specification

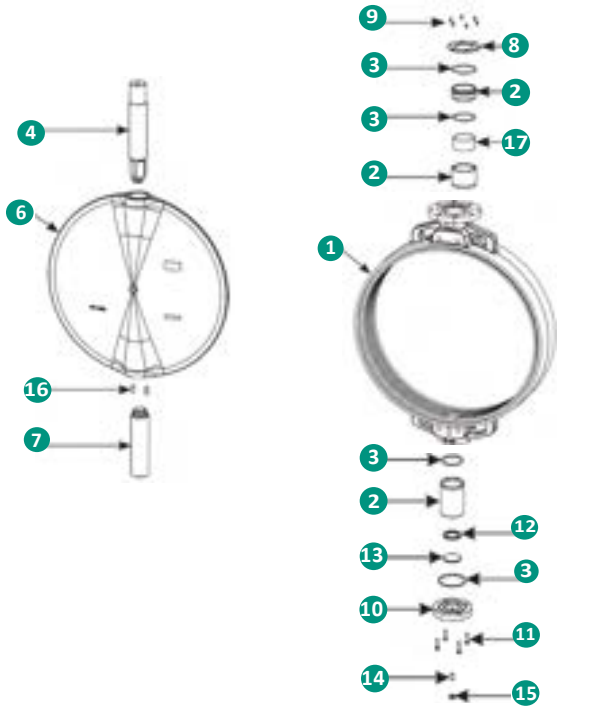
DN 600-1100



DN 600-1200



DN 1200



DN 600-1100

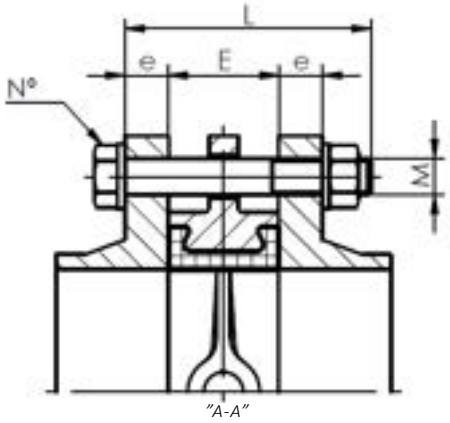
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Stainless Steel AISI 420
7	Lower shaft	Stainless Steel AISI 420
8	Upper cover	Carbon Steel Coating Epoxy
9	Bolt upper cover	Zinc-plated Steel DN 7991
10	Lower cover	Carbon Steel Coating Epoxy
11	Seeger Ring	Zinc-plated Steel DIN 472
12	Screw	Zinc-plated Steel DIN 913
13	Retaining Ring Shaft	Zinc-plated Steel DIN 471 DN600/800
14	Features Tag	Polyester

DN 1200

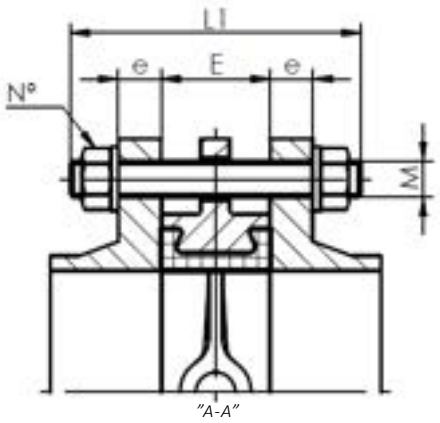
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	Bronze/Brass
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Stainless Steel AISI 420
7	Lower shaft	Stainless Steel AISI 420
8	Upper cover	Carbon Steel Coating Epoxy
9	Bolt upper cover	Zinc-plated Steel DIN 7991
10	Lower cover	Carbon Steel Coating Epoxy
11	Bolt lower cover	Zinc-plated Steel DIN 931
12	Lover ring	Bronze/Brass
13	Friction Disc	Zinc-plated Steel
14	Screw	Zinc-plated Steel DIN 913
15	Nut	Zinc-plated Steel DIN 934
16	Keyway	Stainless Steel AISI 420
17	Bushing	Steel Bronze PTFE

Assembling screwing

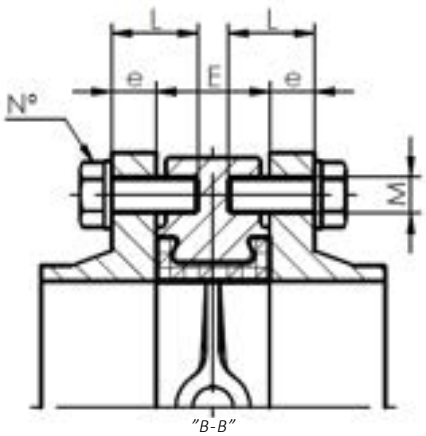
Screw



Link

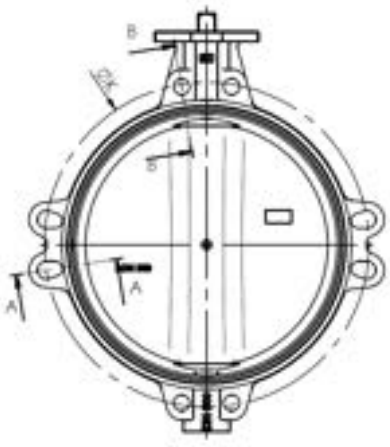


Screw Only



Product code	Size	ØK	E	e	M	L	L1	N°
WAFN50050MDVENR1601	50	125	43	18	M16	100	120	4
WAFN50065MDVENR1601	65	145	46	18	M16	100	120	4
WAFN50080MDVENR1601	80	160	46	20	M16	110	130	8
WAFN50100MDVENR1601	100	180	52	20	M16	110	130	8
WAFN50125MDVENR1601	125	210	56	22	M16	120	140	8
WAFN50150MDVENR1601	150	240	56	22	M20	130	150	8
WAFN50200MDVENR1601	200	295	60	24	M20	130	160	12
WAFN50250MDVENR1601	250	355	68	26	M24	150	170	12
WAFN50300MDVENR1601	300	410	78	28	M24	160	180	12
WAFN50350MDVENR1601	350	470	78	30	M24	170	190	16
WAFN50400MDVENR1601	400	525	102	32	M27	200	220	16
WAFN50450MDVENR1601	450	585	114	32	M27	210/60	240	16/8
WAFN50500MDVENR1601	500	650	127	34	M30	230	260	20
WAFN50600MDVENR1601	600	770	154	36	M33	260	290	20
WAFN50700MDVENR1601	700	840	165	36	M33	270/85	300	20/8
WAFN50750MDVENR1601	750	900	190	38	M33	300/100	340	20/8
WAFN50800MDVENR1601	800	950	190	38	M36	310/80	345	20/8
WAFN50900MDVENR1601	900	1050	203	40	M36	330/100	375	24/8
WAFN51000MDVENR1601	1000	1170	216	42	M39	345/100	390	24/8
WAFN51100MDVENR1601	1100	1270	216	48	M39	360/110	400	28/8
WAFN51200MDVENR1601	1200	1390	254	48	M45	395/115	445	28/8

DN 450	PN. 10-PN.16
DN 500	ANSI 150
DN 700/1200	PN. 10-PN.16-ANSI 150



FIVC Butterfly Valve

Ductile Iron – PN 25 – Wafer – Gearbox – Glued – Pinless – EN 1092-2



WAF series

Technical data

Main features and materials

• Body:	Ductile Iron	
• Disc:	Stainless Steel	
• Stem:	Stainless Steel	
• Seat:	Glued EPDM	
• Operation:	Gearbox in Ductile Iron	
• Coating:	Epoxy RAL 5015 *(120 µ)*	
• Dimensions:	Face-to-Face acc. to EN 558-1 *(series 20)*	
• Design:	EN 593	
• Type:	Drilling:	PN 25
	Shaft:	SS AISI 420/ 1.4542
	Thread:	Wafer
• Hydrostatic test: /resistance	EN 12266-1 Open valve: 37.5 Kg/cm^3 Closed valve: 27.5 kg/cm^3	

Field of applications

• Temperature range:	-20 to 110 °C
• Max. working pressure:	25 bar

- HVAC
- Water distribution
- Fire fighting
- Shipbuilding
- Neutral fluids
- Gas distribution

Description

FIVC Wafer Butterfly Valve with its glued seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Since the valve is pinless, the disc is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu Bronze
- Ductile Iron

Construction
- w/Pin

Seat
- Vulcanized
- Replaceable

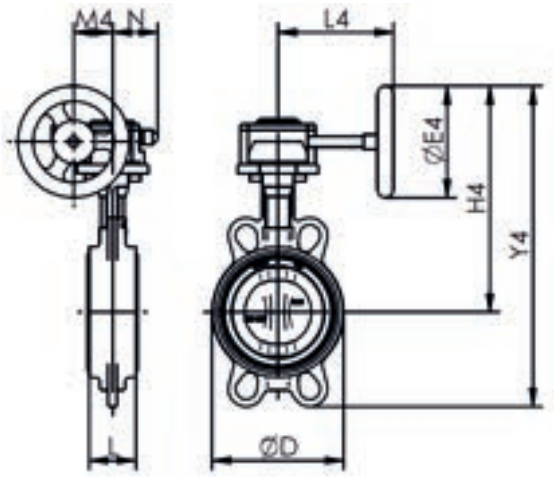
Operation
- 15° notch hand lever
- Actuator
- Other operations upon request

Drilling
- PN 16
- PN 20
- ANSI 150

PN
- PN 16 (w/pin)
- PN 20 (w/pin)

Size
- DN 40+

Dimensions



Product code	Size	D	L	E4	H4	Y4	L4	M4	N	Kg
WAFN50025MDVENG2501	25	68	33	125	190	250	129	43.5	50.5	2.8
WAFN50032MDVENG2501	32	68	33	125	190	250	129	43.5	50.5	2.8
WAFN50040MDVENG2501	40	76	33	125	198	254	129	43.5	50.5	2.9
WAFN50050MDVENG2501	50	100	43	125	208	269	129	43.5	50.5	3.7
WAFN50065MDVENG2501	65	108	46	125	223	292	129	43.5	50.5	4.0
WAFN50080MDVENG2501	80	124	46	125	229	323	129	43.5	50.5	4.4
WAFN50100MDVENG2501	100	147	52	125	253	359	129	43.5	50.5	5.2
WAFN50125MDVENG2501	125	180	56	160	286	412	135	43.5	50.5	7.6
WAFN50150MDVENG2501	150	206	56	160	298	431	135	43.5	50.5	8.7
WAFN50200MDVENG2501	200	257	60	200	355	525	152	52.5	59	13.7
WAFN110250MDVENG2501	250	324	68	250	442	652	222	61.2	70.5	23.7
WAFN110250MDVENG2501	300	376	78	250	468	708	222	61.2	70.5	33.0

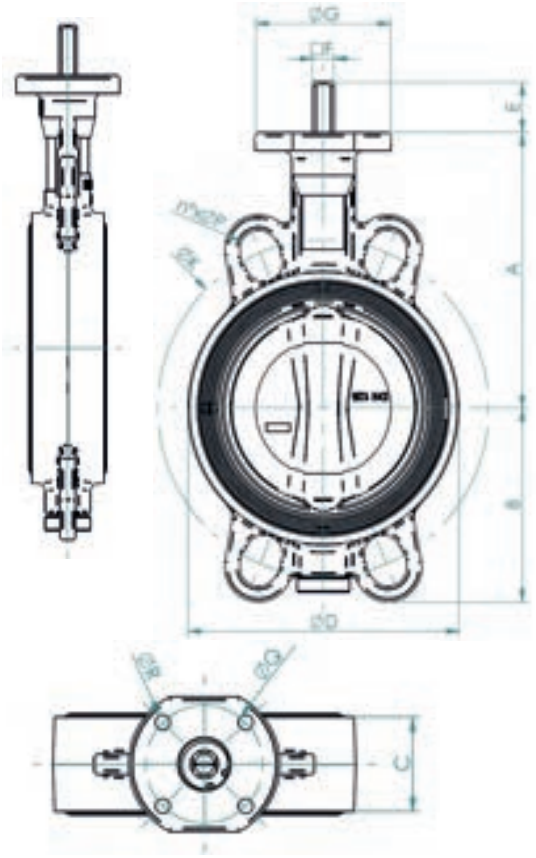
Dimensions are in millimeters

FIVC Butterfly Valve

Ductile Iron – PN 25 – Wafer – Gearbox – Glued – Pinless – EN 1092-2

Dimensions of the bare shaft

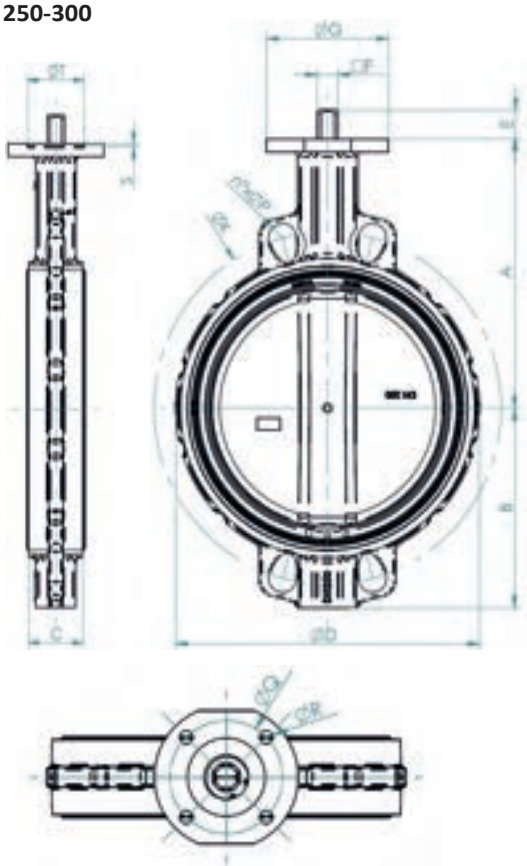
DN 25-200



Product code	Size	A	B	C	ØD	E	F	ØG	ØK
WAFN50025MDVENG2501	25	102.5.	60	33	68	30	11	90	85
WAFN50032MDVENG2501	32	102.5	60	33	68	30	11	90	100
WAFN50040MDVENG2501	40	110	56	33	76	30	11	90	110
WAFN50050MDVENG2501	50	120	61	43	100	30	11	90	125
WAFN50065MDVENG2501	65	135	69	46	108	30	11	90	145
WAFN50080MDVENG2501	80	141	94	46	124	30	11	90	160
WAFN50100MDVENG2501	100	165	106	52	147	30	11	90	190
WAFN50125MDVENG2501	125	180	126	56	180	33	14	90	220
WAFN50150MDVENG2501	150	193	133	56	206	33	14	90	250
WAFN50200MDVENG2501	200	225	170	60	257	33	17	90	310
WAFN110250MDVENG2501	250	282.5	210	68	324	30	22	130	370
WAFN110250MDVENG2501	300	308	240	78	376	30	22	130	430

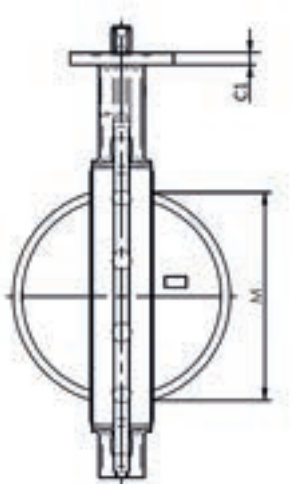
Dimensions are in millimeters

DN 250-300



Product code	Size	N°ØP	ISO	ØQ	ØR	C1	M
WAFN50025MDVENG2501	25	4xØ14	F-07	70	4x9	8	14
WAFN50032MDVENG2501	32	4xØ18	F-07	70	4x9	8	14
WAFN50040MDVENG2501	40	4xØ18	F-07	70	4x9	10	26
WAFN50050MDVENG2501	50	4xØ18	F-07	70	4x9	10	29
WAFN50065MDVENG2501	65	4xØ18	F-07	70	4x9	10	46
WAFN50080MDVENG2501	80	4xØ18	F-07	70	4x9	10	65
WAFN50100MDVENG2501	100	8xØ23	F-07	70	4x9	10	90
WAFN50125MDVENG2501	125	8xØ27	F-07	70	4x9	12	112
WAFN50150MDVENG2501	150	8xØ27	F-07	70	4x9	12	139
WAFN50200MDVENG2501	200	12xØ27	F-07	70	4x9	12	191
WAFN110250MDVENG2501	250	12xØ30	F-10	102	4x12	14	241
WAFN110250MDVENG2501	300	16xØ30	F-10	102	4x12	14	290

Dimensions are in millimeters

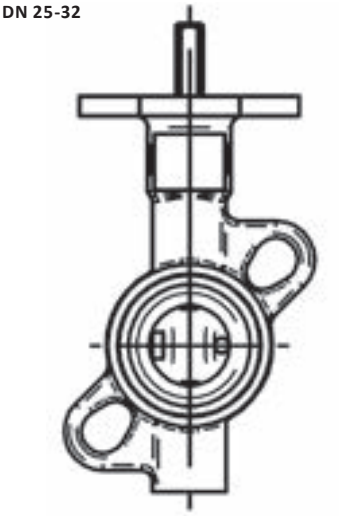


FIVC Butterfly Valve

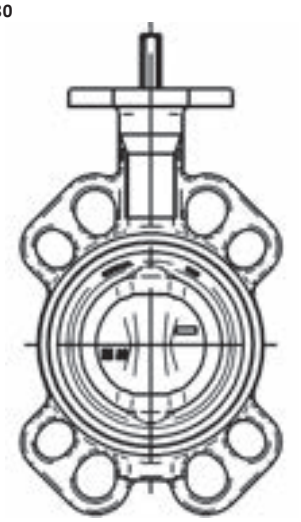
Ductile Iron – PN 25 – Wafer – Gearbox – Glued – Pinless – EN 1092-2

Valve design

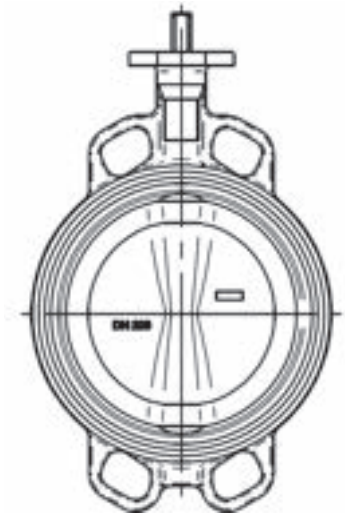
DN 25-32



DN 80

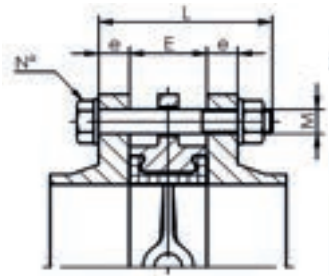


DN 40-65 and DN 100-300

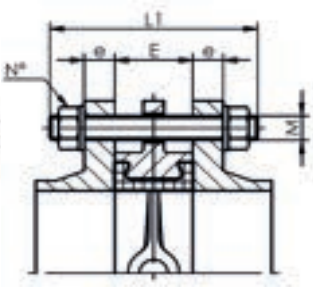


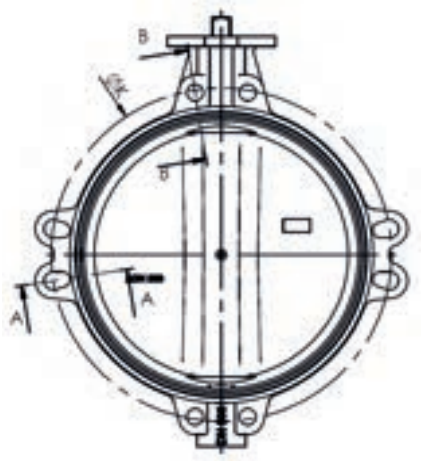
Screw assembly

AA screw



AA Link



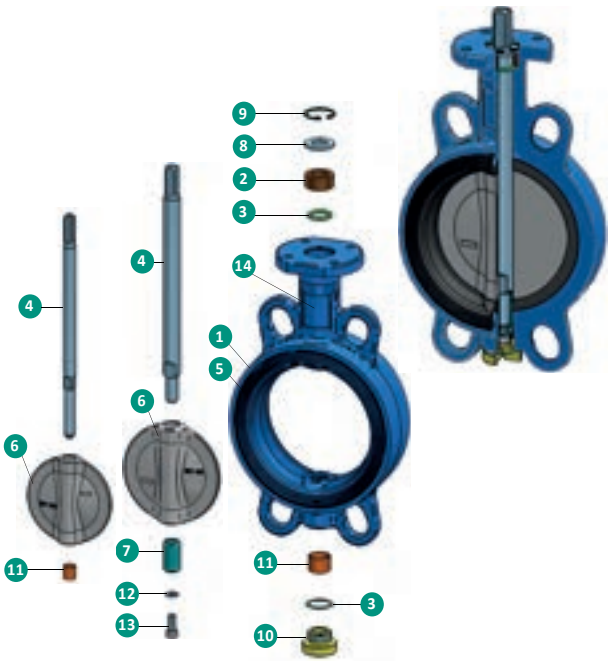


Product code	Size	E	K	e	M	L	L1	N°
WAFN50025MDVENG2501	25	33	85	16	M12	90	110	4
WAFN50032MDVENG2501	32	33	100	16	M16	90	110	4
WAFN50040MDVENG2501	40	33	110	16	M16	90	110	4
WAFN50050MDVENG2501	50	43	125	18	M16	100	120	4
WAFN50065MDVENG2501	65	46	145	18	M16	100	120	4
WAFN50080MDVENG2501	80	46	160	20	M16	110	130	8
WAFN50100MDVENG2501	100	52	180	20	M16	110	130	8
WAFN50125MDVENG2501	125	56	210	22	M16	120	140	8
WAFN50150MDVENG2501	150	56	240	22	M20	130	150	8
WAFN50200MDVENG2501	200	60	295	24	M20	130	160	12
WAFN50250MDVENG2501	250	68	355	26	M24	150	170	12
WAFN50250MDVENG2501	300	78	410	28	M24	160	180	12

Dimensions are in millimeters

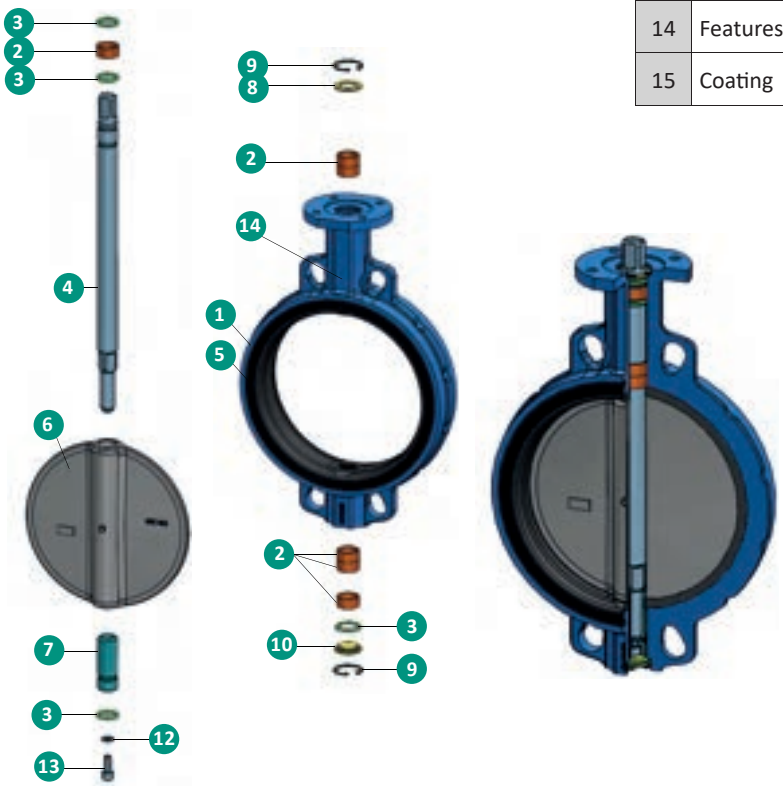
Product Specification

DN 25-100 **DN 125-200**



N°	Name	Material
1	Body	Ductile Iron GJS-400-15 EN 1563
2	Bushing	DN 50-200: Bronze-Brass DN 250-300: Steel-Bz-PTFE 6 Pcs.
3	O-Ring	Nitrile DN 50-100: 1 pcs. DN 125-200: 2 pcs. DN 250-300: 4 pcs.
4	Upper shaft	DN 50-100: Stainless Steel AISI 420 DN 125-300: Stainless Steel 1.4542
5	Seat	Glued EPDM
6	Disc	DN 50-200: Stainless Steel A 351 Gr. CF8M DN 250-300: Super Duplex 1.4469
7	Lower shaft	DN 125-300: Stainless Steel 1.4542
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel DIN 472 DN 50-200: 1 pcs. DN 250-300: 2 pcs.
10	Lower plug	DN 125-300: Stainless Steel AISI 420
11	Bushing	Stainless Steel-Bronze-PTFE
12	Lockwasher	Stainless Steel AISI 304 DIN 127 DN 125-200: 2 pcs. DN 250-300: 1 pcs.
13	Screw	DN 125-300: Stainless Steel AISI 304 DIN 912
14	Features tag	Polyester
15	Coating	Epoxy RAL 5015 - 120 µ

DN 250-300



FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Gearbox – Replaceable – Pinless – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Super Duplex
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Gearbox in Ductile Iron
- Coating: Epoxy
- Standard: BS EN 593 top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face EN 558-1 *(series 20)*
  DIN 3202 T3 K1 ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Wafer
- Tests: Hydraulic test 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water distribution
- HVAC
- Shipbuilding

Description

FIVC Wafer Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function. Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can by its high quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive Nº 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu-Bronze
- Ductile Iron
- Stanless Steel

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

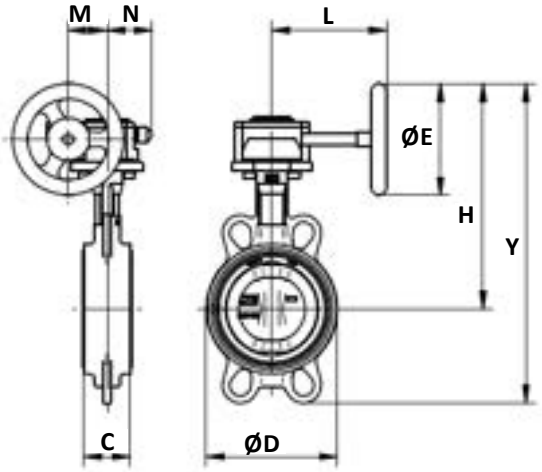
Operation
- 15º notch hand-lever
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

Dimensions



Product Information

Product code	Size	C	ØD	ØE	H	Y	L	M	N	Kg
WAFN110050MDVENR1601	50	43	100	125	208	269	129	43.5	50.5	3.7
WAFN110065MDVENR1601	65	46	108	125	223	292	129	43.5	50.5	4.0
WAFN110080MDVENR1601	80	46	124	125	229	323	129	43.5	50.5	4.4
WAFN110100MDVENR1601	100	52	147	125	253	359	129	43.5	50.5	5.2
WAFN110125MDVENR1601	125	56	180	160	286	412	135	43.5	50.5	7.6
WAFN110150MDVENR1601	150	56	206	160	298	431	135	43.5	50.5	8.7
WAFN110200MDVENR1601	200	60	257	200	355	525	152	52.5	59	13.7
WAFN110250MDVENR1601	250	68	324	250	442	652	222	61.2	70.5	23.7
WAFN110300MDVENR1601	300	78	376	250	468	708	222	61.2	70.5	33.0
WAFN110350MDVENR1601	350	78	422	250	498	762	222	61.2	70.5	38.7
WAFN110400MDVENR1601	400	102	480	300	572	880	277	68.8	72.5	64.5
WAFN110450MDVENR1601	450	114	536	400	630	970	321	96.5	91.5	99
WAFN110500MDVENR1601	500	127	593	400	682	1062	321	96.5	91.5	133
WAFN110600MDVENR1601	600	154	690	500	798	1239	408	138	140	206
WAFN110700MDVENR1601	700	165	780	600	914	1400	456	138	140	271
WAFN110750MDVENR1601	750	190	836	600	944	1474	456	138	140	337
WAFN110800MDVENR1601	800	190	902	700	1044	1608	510	180	156	408
WAFN110900MDVENR1601	900	203	1010	700	1108	1718	510	180	156	521
WAFN111000MDVENR1601	1000	216	1116	700	1184	1858	579	180	156	648
WAFN111100MDVENR1601	1100	216	1215	700	1250	1983	593	252	228	913
WAFN111200MDVENR1601	1200	254	1334	700	1310	2128	593	252	228	1161

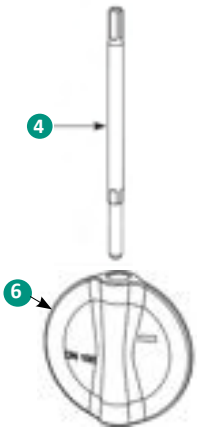
**Dimensions are in millimeters*

FIVC Butterfly Valve

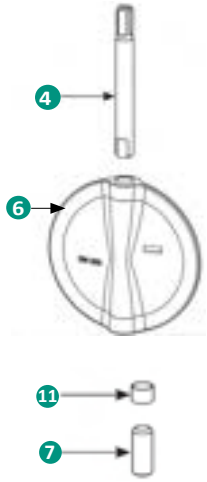
Ductile Iron – PN 16 – Wafer – Gearbox – Replaceable – Pinless – EN 1092-2

Product Specification

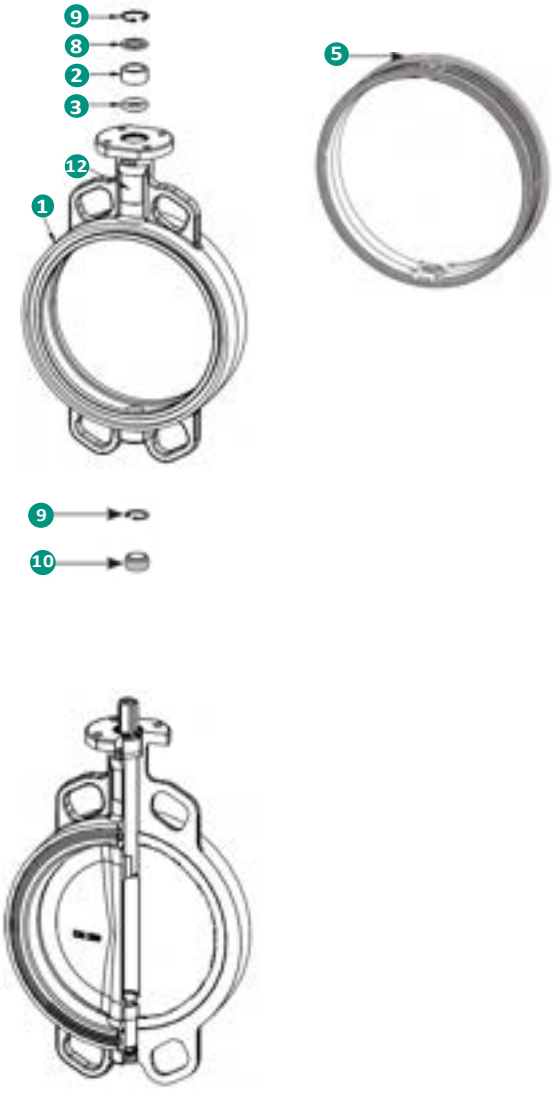
DN 50-100



DN 125-200



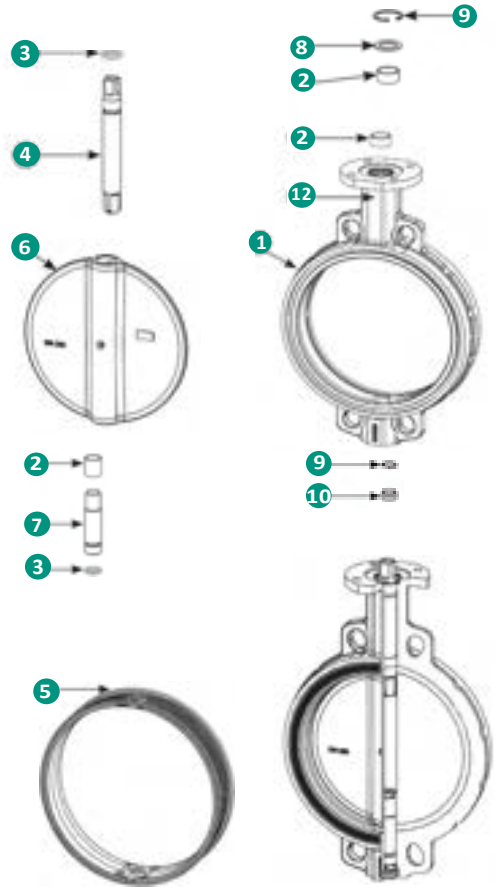
DN 50-200



DN 50-500

N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	DN 50-200: Acetal Delrin DN 250-400: Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Super Duplex 1.4469
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel
10	Lower plug	EPDM
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester

DN 250-500



FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Gearbox – Replaceable – Pinless – EN 1092-2

Product Specification

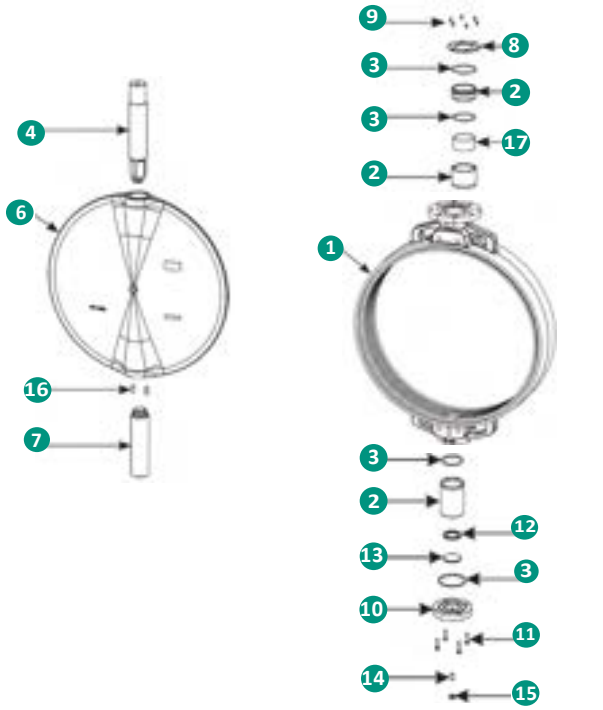
DN 600-1100



DN 600-1200



DN 1200



DN 600-1100

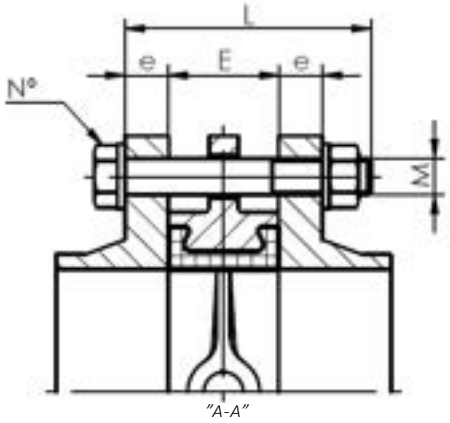
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Super Duplex 1.4469
7	Lower shaft	Stainless Steel AISI 420
8	Upper cover	Carbon Steel Coating Epoxy
9	Bolt upper cover	Zinc-plated Steel DN 7991
10	Lower cover	Carbon Steel Coating Epoxy
11	Seeger Ring	Zinc-plated Steel DIN 472
12	Screw	Zinc-plated Steel DIN 913
13	Retaining Ring Shaft	Zinc-plated Steel DIN 471 DN600/800
14	Features Tag	Polyester

DN 1200

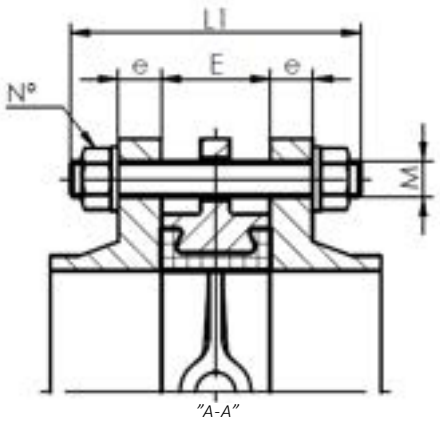
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	Bronze/Brass
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Super Duplex 1.4469
7	Lower shaft	Stainless Steel AISI 420
8	Upper cover	Carbon Steel Coating Epoxy
9	Bolt upper cover	Zinc-plated Steel DIN 7991
10	Lower cover	Carbon Steel Coating Epoxy
11	Bolt lower cover	Zinc-plated Steel DIN 931
12	Lover ring	Bronze/Brass
13	Friction Disc	Zinc-plated Steel
14	Screw	Zinc-plated Steel DIN 913
15	Nut	Zinc-plated Steel DIN 934
16	Keyway	Stainless Steel AISI 420
17	Bushing	Steel Bronze PTFE

Assembling screwing

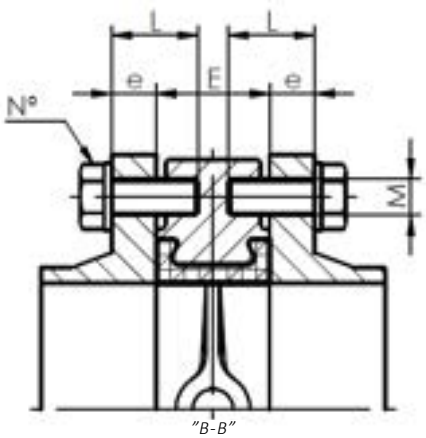
Screw



Link

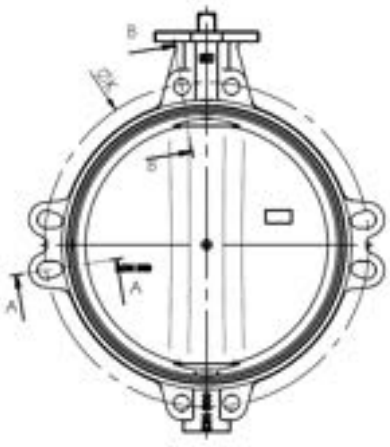


Screw Only



Product code	Size	ØK	E	e	M	L	L1	N°
WAFN110050MDVENR1601	50	125	43	18	M16	100	120	4
WAFN110065MDVENR1601	65	145	46	18	M16	100	120	4
WAFN110080MDVENR1601	80	160	46	20	M16	110	130	8
WAFN110100MDVENR1601	100	180	52	20	M16	110	130	8
WAFN110125MDVENR1601	125	210	56	22	M16	120	140	8
WAFN110150MDVENR1601	150	240	56	22	M20	130	150	8
WAFN110200MDVENR1601	200	295	60	24	M20	130	160	12
WAFN110250MDVENR1601	250	355	68	26	M24	150	170	12
WAFN110300MDVENR1601	300	410	78	28	M24	160	180	12
WAFN110350MDVENR1601	350	470	78	30	M24	170	190	16
WAFN110400MDVENR1601	400	525	102	32	M27	200	220	16
WAFN110450MDVENR1601	450	585	114	32	M27	210/60	240	16/8
WAFN110500MDVENR1601	500	650	127	34	M30	230	260	20
WAFN110600MDVENR1601	600	770	154	36	M33	260	290	20
WAFN110700MDVENR1601	700	840	165	36	M33	270/85	300	20/8
WAFN110750MDVENR1601	750	900	190	38	M33	300/100	340	20/8
WAFN110800MDVENR1601	800	950	190	38	M36	310/80	345	20/8
WAFN110900MDVENR1601	900	1050	203	40	M36	330/100	375	24/8
WAFN111000MDVENR1601	1000	1170	216	42	M39	345/100	390	24/8
WAFN111100MDVENR1601	1100	1270	216	48	M39	360/110	400	28/8
WAFN111200MDVENR1601	1200	1390	254	48	M45	395/115	445	28/8

DN 450	PN. 10-PN.16
DN 500	ANSI 150
DN 700/1200	PN. 10-PN.16-ANSI 150



FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Hand lever – Vulcanized – w/Pin – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Alu-Bronze
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Vulcanized EPDM
- Operation: 15° Notch hand lever in Malleable Iron
- Coating: Epoxy
- USP: Maintenance and installation efficient
- Standard: BS EN 593
- Dimensions: Face-to-Face acc. to EN 558 *(series 20)*
- Inspection test: BS EN 12266-1
- Type: Drilling: PN 16; Shaft: AISI 431; Thread: Wafer

Field of applications

- Temperature range: -15 to 120 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC (Heat Ventilation Air Conditioning)
- Fire fighting
- General services
- Irrigation
- Shipbuilding
- Powdery products

Description

FIVC Wafer Butterfly Valve with its vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions. Furthermore, the valve can be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative product versions

Disc
- Ductile Iron
- Stainless Steel

Construction
- Pinless

Seat
- Replaceable
- Other seats upon request

Operation
- Gearbox
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20
- PN 25

Size
- DN 40+

Dimensions

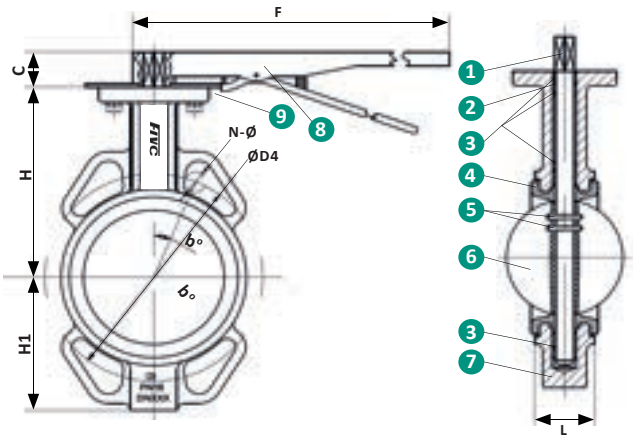
Product code	Size	H	H1	H2	L	ØD2	N-M	b°	E	F	Kg	OTV *(N.m)*	BTV *(N.m)*
WAFN40040MNEPV1620	40	105	73	32	33	110	4-Ø19	45	35	223	3.7	15.1	86
WAFN40050MNEPV1620	50	130	85	32	33	125	4-Ø19	45	35	223	3.9	16	86
WAFN40065MNEPV1620	65	140	94	32	46	145	4-Ø19	45	35	223	4.3	17.2	86
WAFN40080MNEPV1620	80	145	105	32	46	160	4-Ø19	22.5	35	223	5	23.1	86
WAFN40100MNEPV1620	100	160	126	32	52	180	4-Ø19	22.5	35	223	7	39.8	169
WAFN40125MNEPV1620	125	170	140	32	56	210	4-Ø19	22.5	35	223	9	61.9	291
WAFN40150MNEPV1620	150	190	151	32	56	240	4-Ø23	22.5	35	223	11	102	291
WAFN40200MNEPV1620	200	220	183	35	60	295	4-Ø23	22.5	38	358	11	102	291

Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value

FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Hand lever – Vulcanized – w/Pin – EN 1092-2

Product Specification



N°	Name	Material
1	Stem	Stainless Steel SS 431
2	O-Ring	NBR
3	Bushing	Brass C836600 + C37700
4	Seat	Vulcanized EPDM
5	Pin	Stainless Steel SS 431 DN 40-100: 1 pcs. DN 125-200: 2 pcs.
6	Disc	Aluminium-Bronze CuAl10Fe5Ni5-C DN 350+: CC333G
7	Body	Ductile Iron GGG 40
8	Handle	Malleable Iron
9	Bolt	Stainless Steel SS 316

FIVC Butterfly Valve

Ductile Iron – PN 25 – Wafer – Hand lever – Vulcanized – w/Pin – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Alu-Bronze
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Vulcanized EPDM
- Operation: 15° Notch hand lever in Malleable Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- USP: Maintenance and installation efficient
- Standard: BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type:
  - Drilling: PN 25
  - Shaft: SS AISI 431
  - Thread: Wafer
- Testing: BS EN 12266-1
  - Shell pressure: 3.75 MPa
  - Sealing pressure: 2.75 MPa

Field of applications

- Temperature range: -20 to 120 °C
- Max. working pressure: 25 bar

- Petrochemical industry
- Irrigation systems
- Compressed air
- industries
- Textile industry
- Mechanical industry

Description

FIVC Wafer Butterfly Valve with its vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions. Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc	Construction	Seat	Operation
• Ductile Iron • Stainless Steel	• Pinless	• Replaceable • Other seats upon request	• 15° Notch hand lever • Other operations upon request

Threading	Drilling	PN	Size
• UNC • Whitworth	• PN 16 • PN 20 • ANSI 150	• PN 16 • PN 20	• DN 40+

Product Information

Product code	Size	H	H1	H2	L	ØD2	N-Ø	b°	E	F	Kg	OTV *(N.m)*	BTV *(N.m)*
WAFN40040MNEPV2520	40	105	73	32	33	110	4-Ø19	45.0	35	223	3.2	23	86
WAFN40050MNEPV2520	50	130	85	32	33	125	4-Ø19	45.0	35	223	4.0	23	86
WAFN40065MNEPV2520	65	140	94	32	46	145	4-Ø19	22.5	35	223	5.0	26	86
WAFN40080MNEPV2520	80	145	105	32	46	160	4-Ø19	22.5	35	223	5.5	35	86
WAFN40100MNEPV2520	100	160	126	32	52	190	4-Ø23	22.5	35	223	7.7	60	169
WAFN40125MNEPV2520	125	170	140	32	56	220	4-Ø28	22.5	35	223	10.0	93	291
WAFN40150MNEPV2520	150	190	151	32	56	250	4-Ø28	22.5	35	223	12.0	153	291
WAFN40200MNEPV2520	200	220	183	35	60	310	4-Ø28	15.0	38	358	17.0	288	992

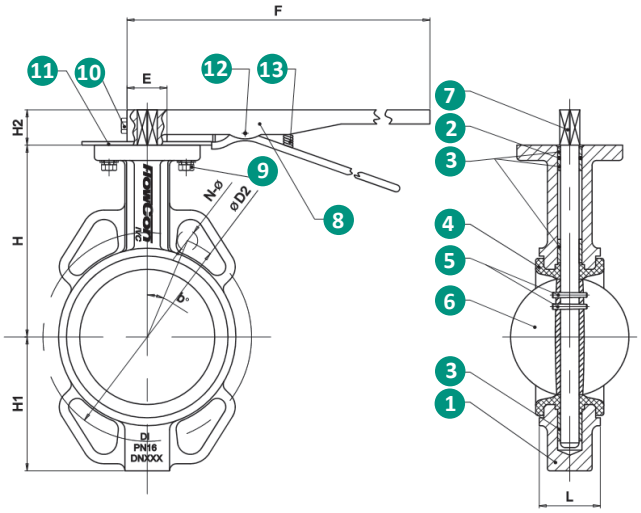
Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value

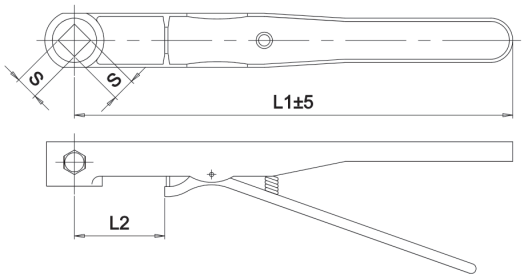
FIVC Butterfly Valve

Ductile Iron – PN 25 – Wafer – Hand lever – Vulcanized – w/Pin – EN 1092-2

Dimensions

DN 65-200





Product Specification

N°	Name	Material
1	Body	Ductile Iron GGG40
2	O-Ring	NBR
3	Bushing	Brass
4	Seat	Vulcanized EPDM
5	Pin	Stainless Steel 316
6	Disc	Alu-Bronze C95400
7	Stem	Stainless Steel 431
8	Handle	Malleable Iron + Epoxy
9	Bolt	Stainless Steel 316
10	Bolt	Stainless Steel 316
11	Notch Plate	Stainless Steel 316
12	Splint Pin	Carbon Steel 65Mn + Epoxy
13	Spring	Carbon Steel 65Mn + Epoxy

Product Information

Product code	L1	L2	SxS
DN 40	223	55	9x9
DN 50	223	55	9x9
DN 65	223	55	11x11
DN 80	223	55	11x11
DN 100	261	55	14x14
DN 125	261	55	14x14
DN 150	261	55	14x14
DN 200	358	76	17x17

FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Hand lever – Replaceable – Pinless – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Alu-Bronze
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Hand Lever
- Coating: Epoxy
- Standard: BS EN 593 top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face EN 558-1 *(series 20)*
  DIN 3202 T3 K1 ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Wafer
- Tests: Hydraulic test 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water distribution
- HVAC
- Shipbuilding

Description

FIVC Wafer Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high-quality rotational disc, the valve features quick shut-off function.
Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pin-less construction leads to good corrosion resistance.
Furthermore, the valve can be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Stainless steel
- Ductile Iron

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

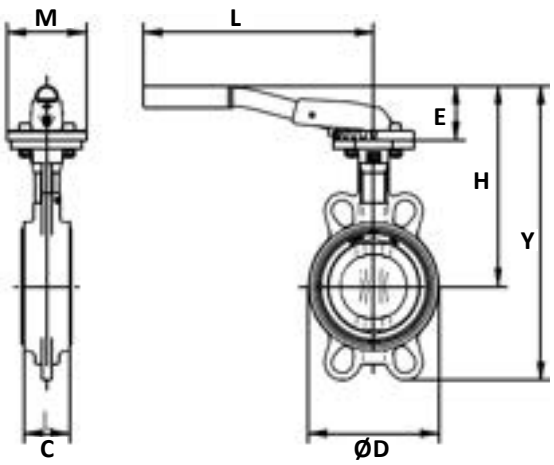
Operation
- 15° notch hand-lever
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

Dimensions



Product Information

Product code	Size	C	ØD	E	H	Y	L	M	Kg
WAFN40025MNENR1601	25	33	68	49	151.5	212	220	90	1.9
WAFN40032MNENR1601	32	33	68	49	151.5	212	220	90	1.9
WAFN40040MNENR1601	40	33	76	49	159	215	220	90	2.1
WAFN40050MNENR1601	50	43	100	49	169	231	220	90	2.9
WAFN40065MNENR1601	65	46	108	49	184	253	220	90	3.1
WAFN40080MNENR1601	80	46	124	60	201	295	260	90	3.7
WAFN40100MNENR1601	100	52	147	60	225	331	260	90	4.5
WAFN40125MNENR1601	125	56	180	75	255	382	315	90	6.8
WAFN40150MNENR1601	150	56	206	75	268	401	315	90	7.8
WAFN40200MNENR1601	200	60	257	75	300	470	315	90	11.7

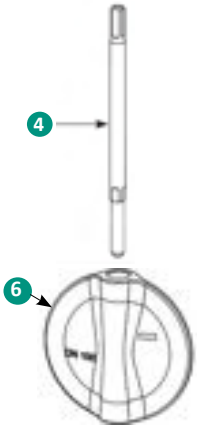
**Dimensions are in millimeters*

FIVC Butterfly Valve

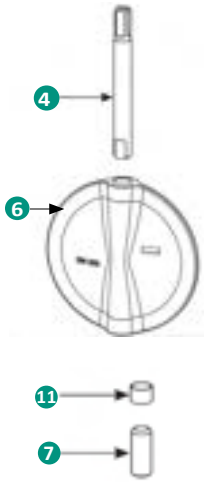
Ductile Iron – PN 16 – Wafer – Hand lever – Replaceable – Pinless – EN 1092-2

Product Specification

DN 50-100



DN 125-200



DN 50-200



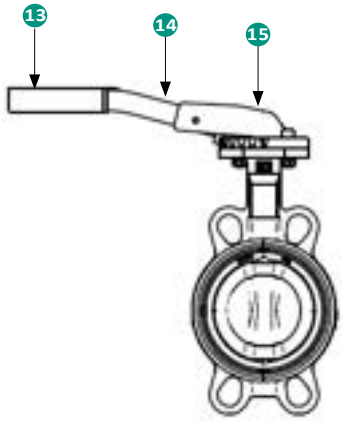


DN 200

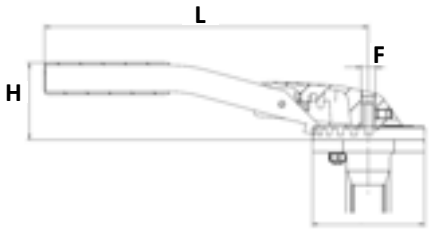


DN 50-200

N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	DN 50-200: Acetal Delrin
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Alu-Bronze CuAl10Fe5Ni5-C
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel
10	Lower plug	EPDM
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester
13	Hand Lever Cover	Vinyl
14	Hand Lever arm	Carbon Steel, Epoxy
15	Hand Lever head	Aluminum, Epoxy



Dimensions

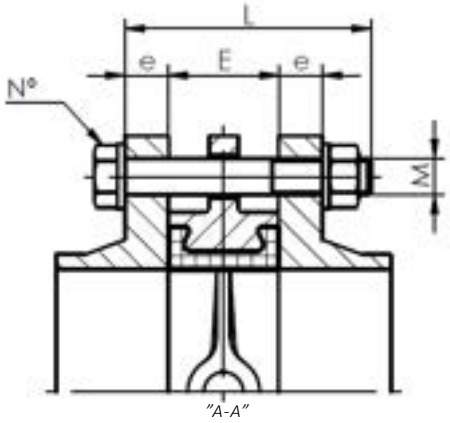


Product Information

Product code	F	L	H	KG
DN 32-65	11	220	49	0.40
DN 80-100	11	260	60	0.45
DN 125-150	14	315	75	0.55
DN 200	17	315	75	0.55

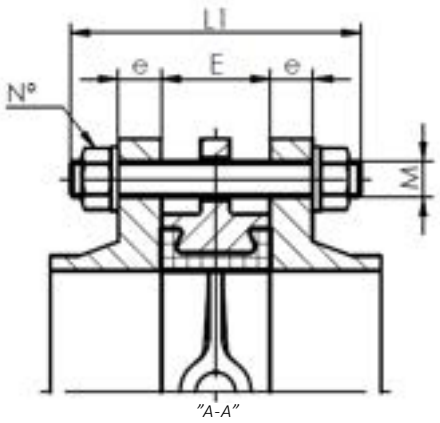
Assembling screwing

Screw



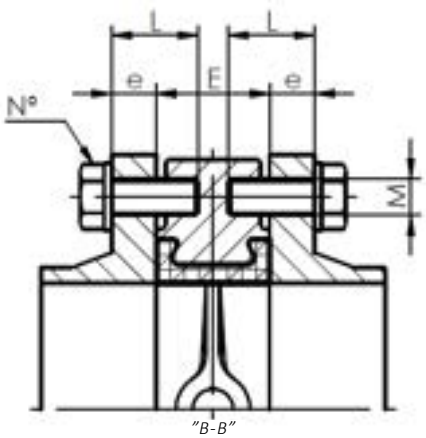
"A-A"

Link



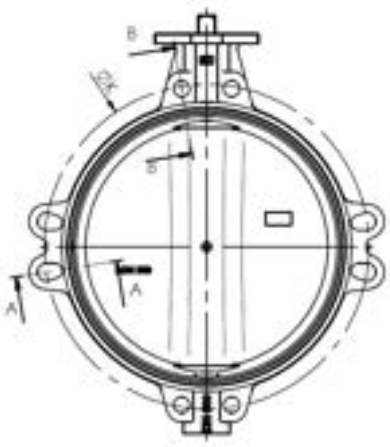
"A-A"

Screw Only



"B-B"

Product code	Size	ØK	E	e	M	L	L1	N°
WAFN40025MNENR1601	25	85	33	16	M12	90	110	4
WAFN40032MNENR1601	32	100	33	16	M16	90	110	4
WAFN40040MNENR1601	40	110	33	16	M16	90	110	4
WAFN40050MNENR1601	50	125	43	18	M16	100	120	4
WAFN40065MNENR1601	65	145	46	18	M16	100	120	4
WAFN40080MNENR1601	80	160	46	20	M16	110	130	8
WAFN40100MNENR1601	100	180	52	20	M16	110	130	8
WAFN40125MNENR1601	125	210	56	22	M16	120	140	8
WAFN40150MNENR1601	150	240	56	22	M20	130	150	8
WAFN40200MNENR1601	200	295	60	24	M20	130	160	12



FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Gearbox – Vulcanized – w/Pin – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Alu-Bronze
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Vulcanized EPDM
- Operation: Gearbox in Ductile Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- USP: Maintenance and installation efficient
- Standard: BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 16
  Shaft: SS AISI 431
  Thread: Wafer
- Testing: BS EN 12266-1
  Shell pressure: 2.40 MPa
  Sealing pressure: 1.76 MPa

Field of applications

- Temperature range: -20 to 120 °C
- Max. working pressure: 16 bar

- Petrochemical industry
- Irrigation systems
- Compressed air
- industries
- Textile industry
- Mechanical industry

Description

FIVC Wafer Butterfly Valve with its vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions. Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc	Construction	Seat	Operation
• Stainless Steel • Ductile Iron	• Pinless	• Replaceable • Other seats upon request	• 15° Notch hand lever • Other operations upon request

Threading	Drilling	PN	Size
• UNC • Whitworth	• PN 20 • PN 25 • ANSI 150	• PN 20 • PN 25	• DN 40+

Product Information

Product code	Size	H	H1	H3	L	ØD2	N-M	a°-b°	E	C	F	V	Kg	OTV *(N.m)*	BTV *(N.m)*	Gearbox		
																OT N-M	Ratio	N° of turns
WAFN40065MDVEPV1620	65	140	94	-	46	145	4-Ø19	45.0	65		154	135	8.0	17.2	86	200	24:1	6.0
WAFN40080MDVEPV1620	80	145	105	-	46	160	4-Ø19	22.5	65		154	135	8.5	23.1	86	200	24:1	6.0
WAFN40100MDVEPV1620	100	160	126	-	52	180	4-Ø19	22.5	65		154	135	9.5	39.8	169	200	24:1	6.0
WAFN40125MDVEPV1620	125	170	140	-	56	210	4-Ø19	22.5	65		154	135	12.5	61.9	291	200	24:1	6.0
WAFN40150MDVEPV1620	150	190	151	-	56	240	4-Ø23	22.5	65		154	135	14.0	102	291	200	24:1	6.0
WAFN40200MDVEPV1620	200	220	183	-	60	295	4-Ø23	15.0	77		225	285	22.0	192	465	500	30:1	7.5
WAFN40250MDVEPV1620	250	260	217	-	68	355	4-Ø28	15.0	77		225	285	33.0	323	993	500	30:1	7.5
WAFN40300MDVEPV1620	300	290	252	-	78	410	4-Ø28	15.0	80		215	285	47.0	490	1360	1200	50:1	12.5
WAFN40350MDVEPV1620	350	320	285	-	78	470	4-Ø28	11.25	80		215	285	57.0	625	1360	1200	50:1	12.5
WAFN40400MDVEPV1620	400	356	315	271	102	525	4-Ø31	11.25	120	56	124	385	90.0	846	2356	1800	80:1	20.0
WAFN40450MDVEPV1620	450	387	384	271	114	585	4-Ø31	9.0	120	56	124	385	118.0	1131	3394	1800	80:1	20.0
WAFN40500MDVEPV1620	500	424	390	271	127	650	4-Ø34	9.0		121	256	285	160.0	1431	4120	2500	560:1	140
WAFN40600MDVEPV1620	600	524	455	330	154	770	4-Ø37	9.0		130	285	385	250.0	2301	6781	4000	640:1	160

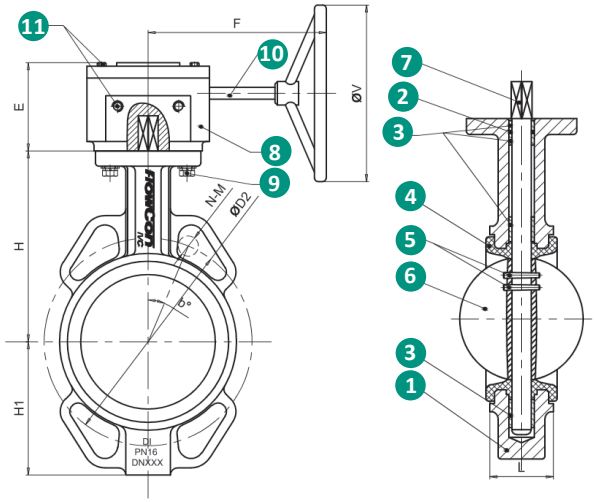
Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value

FIVC Butterfly Valve

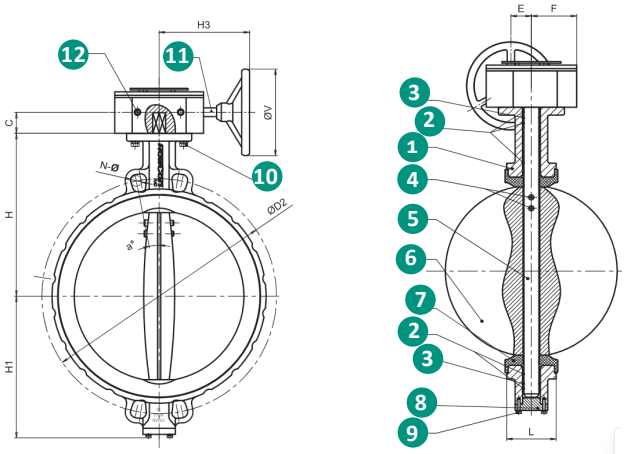
Ductile Iron – PN 16 – Wafer – Gearbox – Vulcanized – w/Pin – EN 1092-2

Dimensions

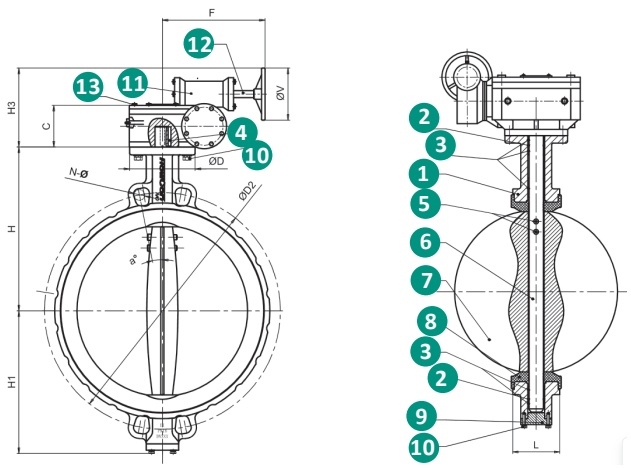
DN 65-350



DN 400-450



DN 500-600



Product Specification

N°	Name	Material
1	Body	Ductile Iron GGG40
2	O-Ring	NBR
3	Bushing	Brass
4	Seat	Vulcanized EPDM
5	Pin	Stainless Steel 316
6	Disc	Alu-Bronze C95400
7	Stem	Stainless Steel 431
8	Gearbox	Ductile Iron GGG40
9	Bolt	Stainless Steel 316
10	Input Shaft	Stainless Steel 304
11	Bolt	Stainless Steel 304

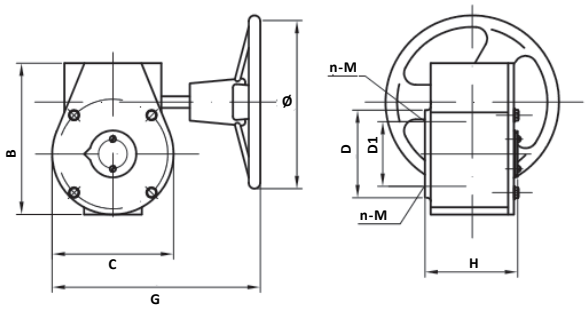
N°	Name	Material
1	Body	Ductile Iron GGG40
2	Bushing	Brass
3	O-Ring	NBR
4	Pin	Stainless Steel 316
5	Stem	Stainless Steel 431
6	Disc	Alu-Bronze C95400
7	Seat	Vulcanized EPDM
8	Cover	Ductile Iron GGG40
9	Bolts and accessories	Stainless Steel 316
10	Bolt	Stainless Steel 316
11	Input Shaft	Stainless Steel 304
12	Bolts	Stainless Steel 304

N°	Name	Material
1	Body	Ductile Iron GGG40
2	O-Ring	NBR
3	Bushing	Brass
4	Key	Carbon Steel
5	Pin	Stainless Steel 316
6	Stem	Stainless Steel 431
7	Disc	Alu-Bronze C95400
8	Seat	Vulcanized EPDM
9	Cover	Ductile Iron GGG40
10	Bolts and accessories	Stainless Steel 316
11	Gearbox	Ductile Iron GGG40
12	Input Shaft	Stainless Steel 304
13	Bolts	Stainless Steel 304

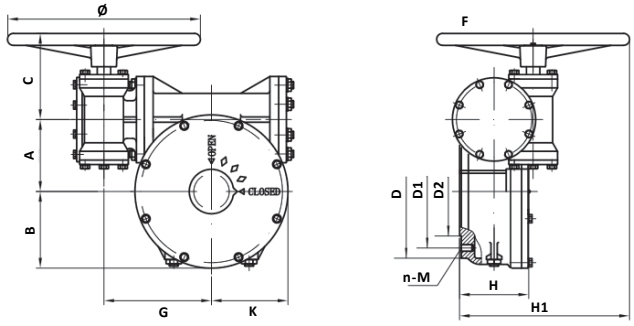
FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Gearbox – Vulcanized – w/Pin – EN 1092-2

DN 65-450



DN 500-600



Gearbox Dimensions

Valve size	A	B	C	D	D1	D2	H	H1	G	K	Ø	n-M
65-150	-	125	102	90	70	-	65		203	-	135	-
200-250	-	167	141	125	102	-	79		295	-	285	-
300-350	-	188	152	175	140	-	80		291	-	285	-
400-450	-	279	247	210	165		109		336		390	
500	100	107	156	210	165	130	125	271	168	107	285	4-M20
600	125	131	160	210	165	130	136	330	193	131	385	4-M20

Dimensions are in millimeters

FIVC Butterfly Valve

Ductile Iron – PN 25 – Wafer – Gearbox – Vulcanized – w/Pin – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Alu-Bronze
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Vulcanized EPDM
- Operation: Gearbox in Ductile Iron
- Coating: Epoxy
- USP: Maintenance and installation efficient
- Standard: BS EN 593
- Dimensions: Face-to-Face acc. to EN 558 *(series 20)*
- Inspection test: BS EN 12266-1
- Type:
  - Drilling: PN 25
  - Shaft: DN 65-350: SS AISI SS 316
    DN 400+: SS AISI SS 630
  - Thread: Wafer

Field of applications

- Temperature range: -15 to 120 °C
- Max. working pressure: 25 bar

- Water treatment plants and Water distribution
- HVAC (Heat Ventilation Air Conditioning)
- Fire fighting
- General services
- Irrigation
- Shipbuilding
- Powdery products

Description

FIVC Wafer Butterfly Valve with its vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions. Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Ductile Iron
- Stainless Steel

Construction
- Pinless

Seat
- Replaceable
- Other seats upon request

Operation
- 15° Notch hand lever
- Other operations upon request

Drilling
- PN 16
- PN 20
- ANSI 150

PN
- PN 16
- PN 20

Size
- DN 40+

Product Information

Product code	Size *(DN)*	H*	H1*	L*	ØD2*	N-M	b° *or* a°	E*	F*	Øv* *or* V*	Kg	OTV *(N.m)*	BTV *(N.m)*	Gearbox		
														OT *N-M*	Ratio	N° of turns
WAFN40065MDVEPV2520	65	140	94	46	145	4-Ø19	22.5	65	154	135	9.5	26	86	200	24:1	6
WAFN40080MDVEPV2520	80	145	105	46	160	4-Ø19	22.5	65	154	135	10.6	35	86	200	24:1	6
WAFN40100MDVEPV2520	100	160	126	52	190	4-Ø23	22.5	65	154	135	12.5	60	169	200	24:1	6
WAFN40125MDVEPV2520	125	170	140	56	220	4-Ø28	22.5	65	154	135	15	93	291	200	24:1	6
WAFN40150MDVEPV2520	150	190	151	56	250	4-Ø28	22.5	65	154	135	17	153	291	200	24:1	6
WAFN40200MDVEPV2520	200	220	183	60	310	4-Ø28	15	77	225	285	30	288	992	500	32:1	8
WAFN40250MDVEPV2520	250	260	217	68	370	4-Ø31	15	77	225	285	38	485	1360	500	32:1	8
WAFN40300MDVEPV2520	300	290	252	78	430	4-Ø31	11.25	80	215	285	55	735	1563	1200	50:1	12.5
WAFN40350MDVEPV2520	350	320	285	78	490	4-Ø34	11.25	80	215	285	70	938	2356	1200	50:1	12.5
WAFN40400MDVEPV2521	400	356	325	102	550	4-Ø37	11.25	121	256	285	145	1269	3928	2.5x10³	560:1	140
WAFN40450MDVEPV2521	450	387	384	114	600	4-Ø37	9	121	256	285	170	1697	5072	2.5x10³	560:1	140
WAFN40500MDVEPV2521	500	424	392	127	660	4-Ø37	9	121	256	285	230	2147	6788	2.5x10³	560:1	140
WAFN40600MDVEPV2521	600	524	455	154	770	4-Ø41	9	-	285	385	300	3452	10780	4x10³	506:1	140

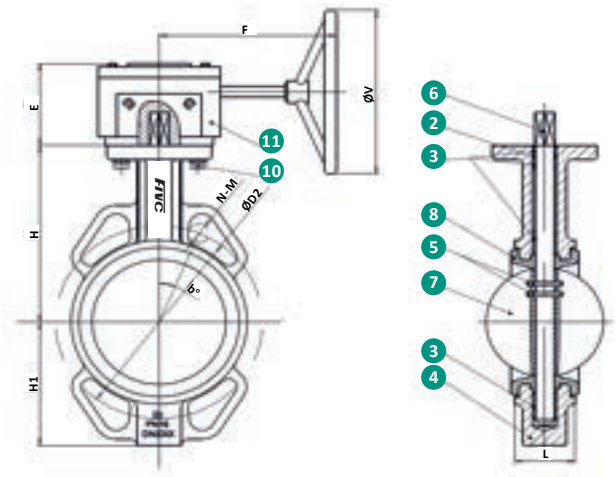
**Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value*

FIVC Butterfly Valve

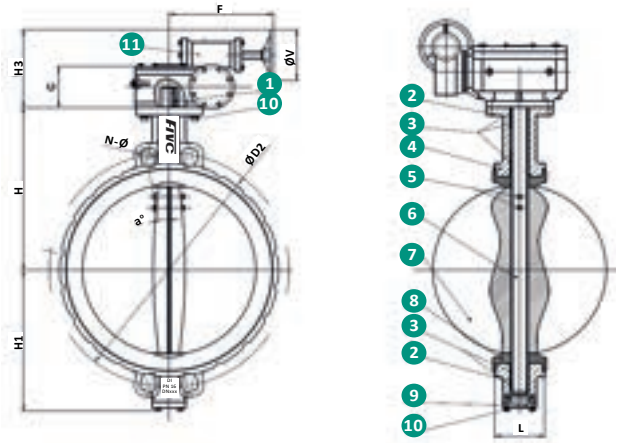
Ductile Iron – PN 25 – Wafer – Gearbox – Vulcanized – w/Pin – EN 1092-2

Dimensions

DN 65-350



DN 400-600



Product Specification

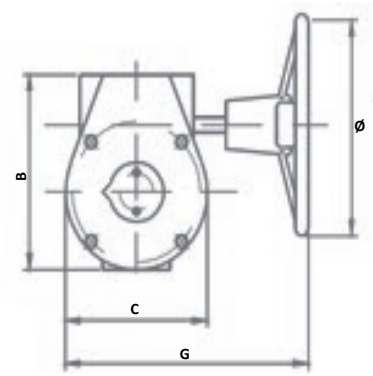
N°	Name	Material
1	Key *Only for DN 600+*	Carbon Steel *(2 pcs)*
2	O-Ring	NBR
3	Bushing	Brass
4	Body	Ductile Iron
5	Pin	Stainless Steel SS 316 DN 65-100: 1 pcs. DN 125+: 2 pcs.
6	Stem	DN 65-350: Stainless Steel SS 630 DN 400+: Stainless Steel SS 316
7	Disc	Aluminium-Bronze CuAl10Fe5Ni5-C DN 350+: CC333G
8	Seat	Vulcanized EPDM
9	Cover	Ductile Iron
10	Bolts and accessories	Stainless Steel SS 316
11	Gearbox	Ductile Iron

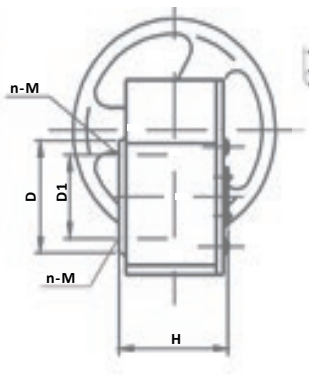
Gearbox Dimensions

Valve size *(DN)*	A*	B*	C*	D*	D1*	D2*	E-H*	F*	G*	K*	Φ*	n-M
65-150	-	125	102	92	70	-	65	-	203	-	135	-
200-250	-	167	141	125	102	-	79	-	295	-	285	-
300-350	-	188	152	125	102	-	80	-	291	-	285	-
400-500	100	107	162	175	140	100	67	60	170	107	285	4-M16/ 4-M20
600	125	131	172	276	165	-	65	66	192	131	385	4-M20
700-800	140	146	200	300	254	200	72	88	224	146	425	8-M16

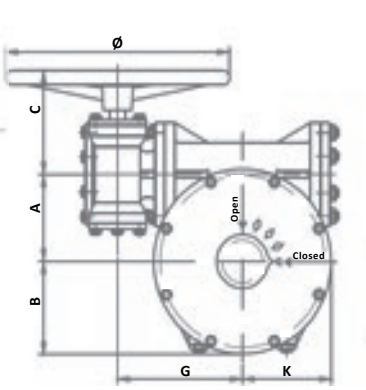
**Dimensions are in millimeters*

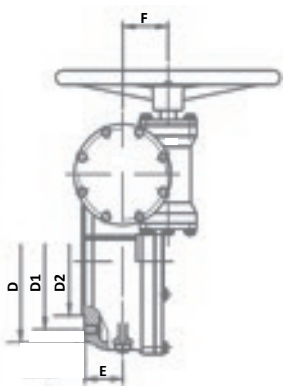
DN 65-350





DN 400 – 800





FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Gearbox – Replaceable – Pinless – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Alu-Bronze
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Gearbox in Ductile Iron
- Coating: Epoxy
- Standard: BS EN 593 top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face EN 558-1 *(series 20)*
  DIN 3202 T3 K1 ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Wafer
- Tests: Hydraulic test 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water distribution
- HVAC
- Shipbuilding

Description

FIVC Wafer Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function. Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can by its high quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive Nº 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Ductile Iron
- Stainless Steel

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

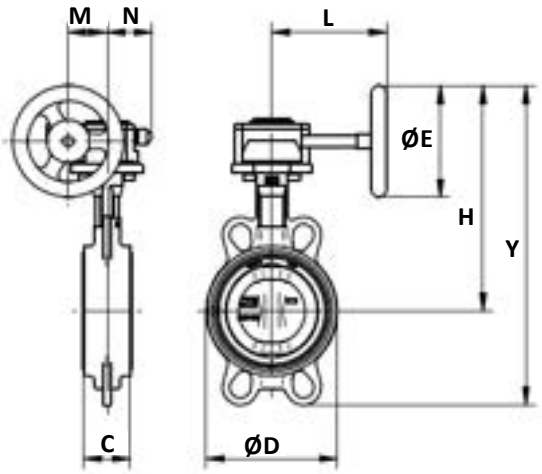
Operation
- 15º notch hand-lever
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

Dimensions



Product Information

Product code	Size	C	ØD	ØE	H	Y	L	M	N	Kg
WAFN40050MDVENR1601	50	43	100	125	208	269	129	43.5	50.5	3.7
WAFN40065MDVENR1601	65	46	108	125	223	292	129	43.5	50.5	4.0
WAFN40080MDVENR1601	80	46	124	125	229	323	129	43.5	50.5	4.4
WAFN40100MDVENR1601	100	52	147	125	253	359	129	43.5	50.5	5.2
WAFN40125MDVENR1601	125	56	180	160	286	412	135	43.5	50.5	7.6
WAFN40150MDVENR1601	150	56	206	160	298	431	135	43.5	50.5	8.7
WAFN40200MDVENR1601	200	60	257	200	355	525	152	52.5	59	13.7
WAFN40250MDVENR1601	250	68	324	250	442	652	222	61.2	70.5	23.7
WAFN40300MDVENR1601	300	78	376	250	468	708	222	61.2	70.5	33.0
WAFN40350MDVENR1601	350	78	422	250	498	762	222	61.2	70.5	38.7
WAFN40400MDVENR1601	400	102	480	300	572	880	277	68.8	72.5	64.5
WAFN40450MDVENR1601	450	114	536	400	630	970	321	96.5	91.5	99
WAFN40500MDVENR1601	500	127	593	400	682	1062	321	96.5	91.5	133
WAFN40600MDVENR1601	600	154	690	500	798	1239	408	138	140	206
WAFN40700MDVENR1601	700	165	780	600	914	1400	456	138	140	271
WAFN40750MDVENR1601	750	190	836	600	944	1474	456	138	140	337
WAFN40800MDVENR1601	800	190	902	700	1044	1608	510	180	156	408
WAFN40900MDVENR1601	900	203	1010	700	1108	1718	510	180	156	521
WAFN41000MDVENR1601	1000	216	1116	700	1184	1858	579	180	156	648
WAFN41100MDVENR1601	1100	216	1215	700	1250	1983	593	252	228	913
WAFN41200MDVENR1601	1200	254	1334	700	1310	2128	593	252	228	1161

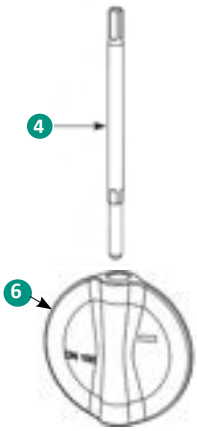
**Dimensions are in millimeters*

FIVC Butterfly Valve

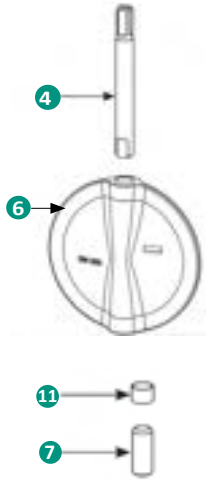
Ductile Iron – PN 16 – Wafer – Gearbox – Replaceable – Pinless – EN 1092-2

Product Specification

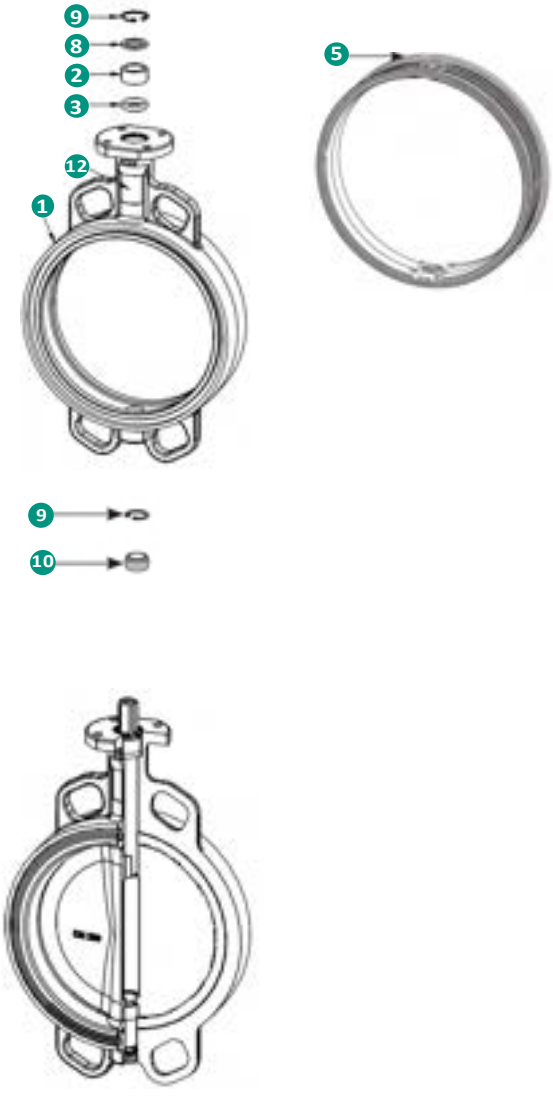
DN 50-100



DN 125-200



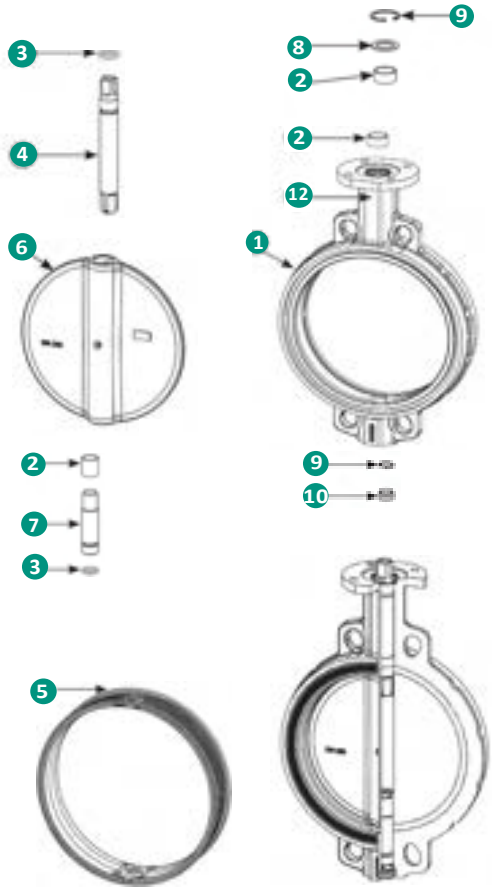
DN 50-200



DN 50-500

N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	DN 50-200: Acetal Delrin DN 250-400: Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Alu-Bronze CuAl10Fe5Ni5-C
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel
10	Lower plug	EPDM
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester

DN 250-500



FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Gearbox – Replaceable – Pinless – EN 1092-2

Product Specification

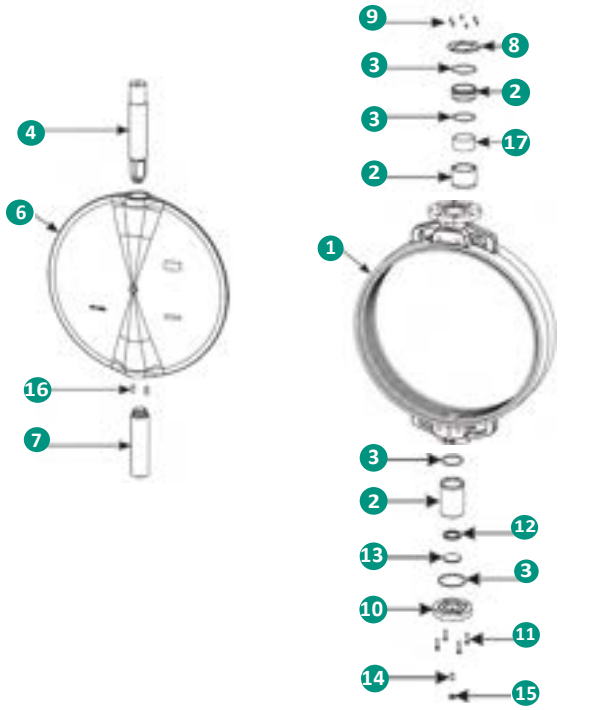
DN 600-1100



DN 600-1200



DN 1200



DN 600-1100

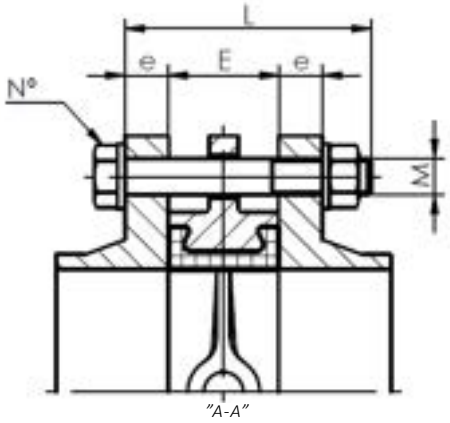
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Alu-Bronze CuAl10Fe5Ni5-C
7	Lower shaft	Stainless Steel AISI 420
8	Upper cover	Carbon Steel Coating Epoxy
9	Bolt upper cover	Zinc-plated Steel DN 7991
10	Lower cover	Carbon Steel Coating Epoxy
11	Seeger Ring	Zinc-plated Steel DIN 472
12	Screw	Zinc-plated Steel DIN 913
13	Retaining Ring Shaft	Zinc-plated Steel DIN 471 DN600/800
14	Features Tag	Polyester

DN 1200

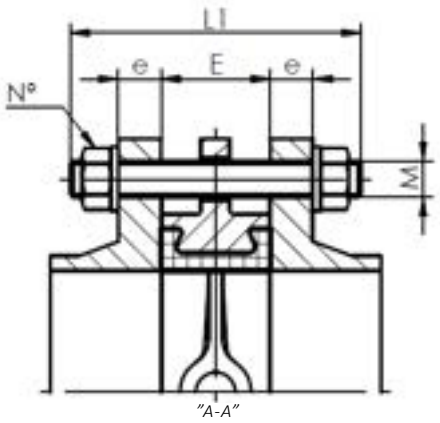
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	Bronze/Brass
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Alu-Bronze CuAl10Fe5Ni5-C
7	Lower shaft	Stainless Steel AISI 420
8	Upper cover	Carbon Steel Coating Epoxy
9	Bolt upper cover	Zinc-plated Steel DIN 7991
10	Lower cover	Carbon Steel Coating Epoxy
11	Bolt lower cover	Zinc-plated Steel DIN 931
12	Lover ring	Bronze/Brass
13	Friction Disc	Zinc-plated Steel
14	Screw	Zinc-plated Steel DIN 913
15	Nut	Zinc-plated Steel DIN 934
16	Keyway	Stainless Steel AISI 420
17	Bushing	Steel Bronze PTFE

Assembling screwing

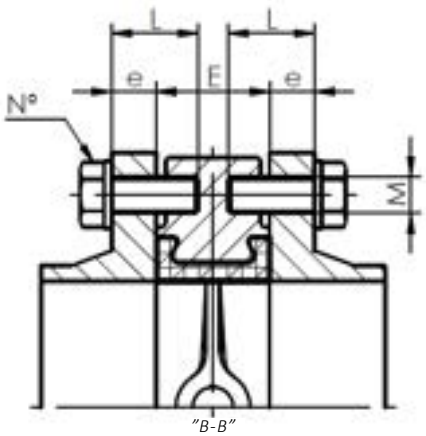
Screw



Link

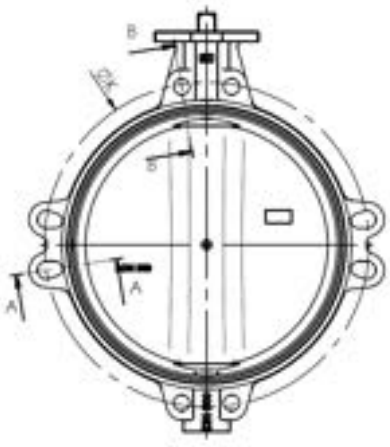


Screw Only



Product code	Size	ØK	E	e	M	L	L1	N°
WAFN40050MDVENR1601	50	125	43	18	M16	100	120	4
WAFN40065MDVENR1601	65	145	46	18	M16	100	120	4
WAFN40080MDVENR1601	80	160	46	20	M16	110	130	8
WAFN40100MDVENR1601	100	180	52	20	M16	110	130	8
WAFN40125MDVENR1601	125	210	56	22	M16	120	140	8
WAFN40150MDVENR1601	150	240	56	22	M20	130	150	8
WAFN40200MDVENR1601	200	295	60	24	M20	130	160	12
WAFN40250MDVENR1601	250	355	68	26	M24	150	170	12
WAFN40300MDVENR1601	300	410	78	28	M24	160	180	12
WAFN40350MDVENR1601	350	470	78	30	M24	170	190	16
WAFN40400MDVENR1601	400	525	102	32	M27	200	220	16
WAFN40450MDVENR1601	450	585	114	32	M27	210/60	240	16/8
WAFN40500MDVENR1601	500	650	127	34	M30	230	260	20
WAFN40600MDVENR1601	600	770	154	36	M33	260	290	20
WAFN40700MDVENR1601	700	840	165	36	M33	270/85	300	20/8
WAFN40750MDVENR1601	750	900	190	38	M33	300/100	340	20/8
WAFN40800MDVENR1601	800	950	190	38	M36	310/80	345	20/8
WAFN40900MDVENR1601	900	1050	203	40	M36	330/100	375	24/8
WAFN41000MDVENR1601	1000	1170	216	42	M39	345/100	390	24/8
WAFN41100MDVENR1601	1100	1270	216	48	M39	360/110	400	28/8
WAFN41200MDVENR1601	1200	1390	254	48	M45	395/115	445	28/8

DN 450	PN. 10-PN.16
DN 500	ANSI 150
DN 700/1200	PN. 10-PN.16-ANSI 150



BUTTERFLY LUGGED



Feature	Cutting-edge technology tailored for peak flow regulation and shut-off.
Corrosion resistance	Of premium materials and a vulcanized seat for dead-end service or a replaceable seat to facilitate easy maintenance and reduce downtime.
Green responsibility	Top-tier energy conservation while delivering reliable and precise performance via low-pressure drop and bubble-tightness, reducing energy consumption.
Space optimizer	Ideal for tight installations with fully interchangeable components or for center- an dead-end services.
Adaptability	Easy installation and minimal maintenance reduce energy usage and environmental impact, enhancing productivity while cutting operational costs.



- Dead-end or center service
- Bubble tight
- Fast-acting
- Cost-and energy efficient
- Small driving torque
- Small size
- Light in weight
- Easy operation

WRAS APPROVED PRODUCT

ISH 2025

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Hand lever – Vulcanized – w/Pin – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile Iron
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Vulcanized EPDM
- Operation: 15º Notch hand lever - Malleable Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- USP: Dead-end/center service
- Standard: BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 16; Shaft: SS AISI 431; Thread: Metric
- Testing: BS EN 12266-1
- Shell pressure: 2.40 MPa; Sealing pressure: 1.76 MPa

Field of applications

- Temperature range: -20 to 120 °C
- Max. working pressure: 16 bar

- Petrochemical industry
- Irrigation systems
- Compressed air
- industries
- Textile industry
- Mechanical industry

Description

FIVC Lugged Butterfly Valve with vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high-quality rotational disc, the valve features quick shut-off function. Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions.

The vulcanized seat ensures that the valve is both suitable for center service and end-of-line service. Furthermore, the valve can be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive Nº 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc	Construction	Seat	Operation
• Alu-Bronze • Stainless Steel	• Pinless	• Replaceable • Other seats upon request	• Gearbox • Other operations upon request

Threading	Drilling	PN	Size
• UNC • Whitworth	• PN 20 • PN 25 • ANSI 150	• PN 20 • PN 25	• DN 40+

Product Information

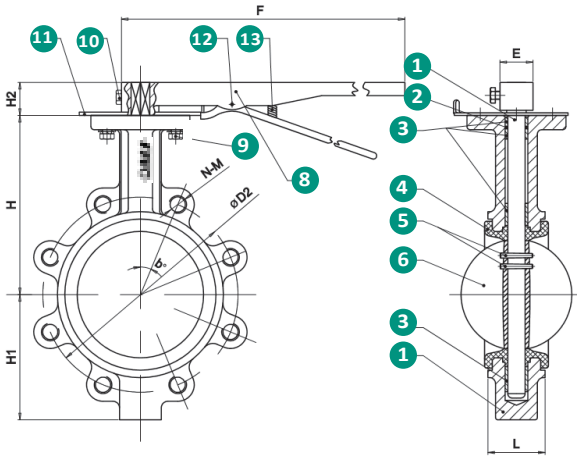
Product code	Size	H	H1	H2	L	ØD2	N-M	b°	E	F	Kg	OTV *(N.m)*	BTV *(N.m)*
LUGN30040MNEPV1623	40	105	73	32	33	110	4-M16	45.0	35	223	4.0	15.1	86
LUGN30050MNEPV1623	50	130	85	32	33	125	4-M16	45.0	35	223	4.5	16.0	86
LUGN30065MNEPV1623	65	140	94	32	46	145	4-M16	45.0	35	223	5.5	17.2	86
LUGN30080MNEPV1623	80	145	105	32	46	160	8-M16	22.5	35	223	6.0	23.1	86
LUGN30100MNEPV1623	100	160	126	32	52	180	8-M16	22.5	35	263	9.0	39.8	169
LUGN30125MNEPV1623	125	170	140	32	56	210	8-M16	22.5	35	263	13.5	61.9	291
LUGN30150MNEPV1623	150	190	151	32	56	240	8-M20	22.5	35	263	14.5	102	291
LUGN30200MNEPV1623	200	220	183	35	60	295	12-M20	15.0	48	358	20.0	192	465

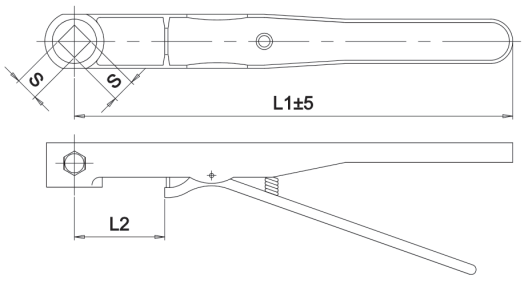
Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Hand lever – Vulcanized – w/Pin – EN 1092-2

Dimensions





Product Specification

N°	Name	Material
1	Body	Ductile Iron GGG40
2	O-Ring	NBR
3	Bushing	Brass
4	Seat	EPDM - Vulcanized
5	Pin	Stainless Steel 316
6	Disc	Ductile Iron GGG40
7	Stem	Stainless Steel 431
8	Handle	Malleable Iron + Epoxy
9	Bolt	Stainless Steel 316
10	Bolt	Stainless Steel 316
11	Notch	Stainless Steel 316
12	Splint Pin	65 MN + Epoxy
13	Spring	65 MN + Epoxy

Product Information

Product code	L1	L2	SxS
DN 40	223	55	9x9
DN 50	223	55	9x9
DN 65	223	55	11x11
DN 80	223	55	11x11
DN 100	261	55	14x14
DN 125	261	55	14x14
DN 150	261	55	14x14
DN 200	358	76	17x17

FIVC Butterfly Valve

Ductile Iron – PN 25 – Lugged – Hand lever – Vulcanized – w/Pin – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile Iron
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Vulcanized EPDM
- Operation: 15º Notch hand lever - Malleable Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- USP: Dead-end/center service
- Standard: BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 25; Shaft: SS AISI 431; Thread: Metric
- Testing: BS EN 12266-1
- Shell pressure: 3.75 MPa
- Sealing pressure: 2.75 MPa

Field of applications

- Temperature range: -20 to 120 °C
- Max. working pressure: 25 bar

- Petrochemical industry
- Irrigation systems
- Compressed air industries
- Textile industry
- Mechanical industry

Description

FIVC Lugged Butterfly Valve with vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high-quality rotational disc, the valve features quick shut-off function. Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions.

The vulcanized seat ensures that the valve is both suitable for center service and end-of-line service. Furthermore, the valve can be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive Nº 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc	Construction	Seat	Operation
• Alu-Bronze • Stainless Steel	• Pinless	• Replaceable • Other seats upon request	• Gearbox • Other operations upon request

Threading	Drilling	PN	Size
• UNC • Whitworth	• PN 20 • PN 16 • ANSI 150	• PN 20 • PN 16	• DN 40+

Product Information

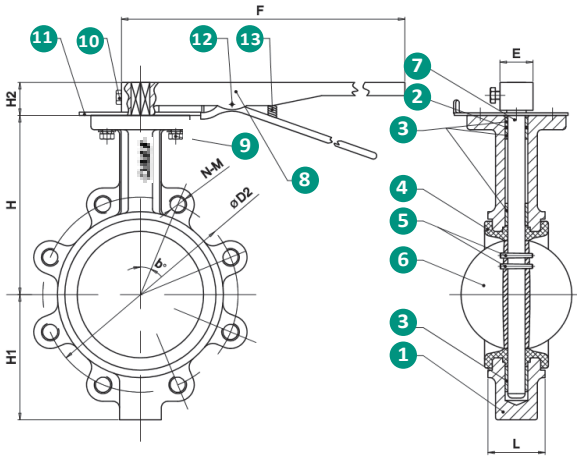
Product code	Size	H	H1	H2	L	ØD2	N-M	b°	E	F	Kg	OTV *(N.m)*	BTV *(N.m)*
LUGN30040MNEPV2529	40	105	73	32	33	110	4-M16	45.0	35	223	4.5	23	86
LUGN30050MNEPV2529	50	130	85	32	33	125	4-M16	45.0	35	223	5.0	23	86
LUGN30065MNEPV2529	65	140	94	32	46	145	8-M16	22.5	35	223	6.0	26	86
LUGN30080MNEPV2529	80	145	105	32	46	160	8-M16	22.5	35	223	6.5	35	86
LUGN30100MNEPV2529	100	160	126	32	52	190	8-M20	22.5	35	223	9.0	60	169
LUGN30125MNEPV2529	125	170	140	32	56	220	8-M24	22.5	35	223	14.0	93	291
LUGN30150MNEPV2529	150	190	151	32	56	250	8-M24	22.5	35	223	15.5	153	291
LUGN30200MNEPV2529	200	220	183	35	60	310	12-M24	15.0	38	358	24.5	288	992

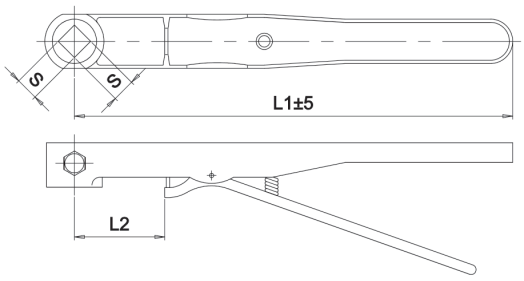
Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value

FIVC Butterfly Valve

Ductile Iron – PN 25 – Lugged – Hand lever – Vulcanized – w/Pin – EN 1092-2

Dimensions





Product Specification

N°	Name	Material
1	Body	Ductile Iron GGG40
2	O-Ring	NBR
3	Bushing	Brass
4	Seat	EPDM - Vulcanized
5	Pin	Stainless Steel 316
6	Disc	Ductile Iron GGG40
7	Stem	Stainless Steel 431
8	Handle	Malleable Iron + Epoxy
9	Bolt	Stainless Steel 316
10	Bolt	Stainless Steel 316
11	Notch	Stainless Steel 316
12	Splint Pin	65 MN + Epoxy
13	Spring	65 MN + Epoxy

Product Information

Product code	L1	L2	SxS
DN 40	223	55	9x9
DN 50	223	55	9x9
DN 65	223	55	11x11
DN 80	223	55	11x11
DN 100	261	55	14x14
DN 125	261	55	14x14
DN 150	261	55	14x14
DN 200	358	76	17x17

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Hand Lever – Replaceable – Pinless – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile Iron
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Hand Lever
- Coating: Epoxy
- USP: Maintenance/installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211
- Dimensions: Face-to-Face acc. to EN 558-1 *(series 20)*
  DIN 3202 T3 K1. ISO 5752 T5
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Metric
- Tests: Hydraulic acc.to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC
- Irrigation
- Shipbuilding

Description

FIVC Lugged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high-quality rotational disc, the valve features quick shut-off function.
Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pin-less construction leads to good corrosion resistance.
Furthermore, the valve can be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu-Bronze
- Stainless Steel

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

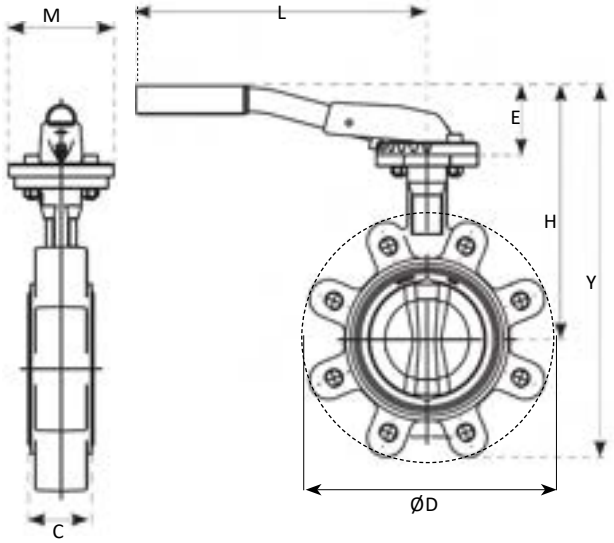
Operation
- 15° notch hand-lever
- Gearbox
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

Dimensions



Product Information

Product code	Size	C	ØD	E	H	Y	L	M	Kg
LUGN30025MNENR1603	25	33	130	49	151.5	202	220	90	2.3
LUGN30032MNENR1603	32	33	130	49	151.5	202	220	90	2.3
LUGN30040MNENR1603	40	33	140	49	159	213	220	90	2.5
LUGN30050MNENR1603	50	43	156	49	169	230	220	90	3.3
LUGN30065MNENR1603	65	46	175	49	184	252	220	90	3.7
LUGN30080MNENR1603	80	46	194	60	201	294	260	90	5.3
LUGN30100MNENR1603	100	52	224	60	225	330	260	90	6.8
LUGN30125MNENR1603	125	56	267	75	255	381	315	90	10.4
LUGN30150MNENR1603	150	56	292	75	268	405	315	90	11.2
LUGN30200MNENR1603	200	60	352	75	300	471	315	90	18.1

**Dimensions are in millimeters*

FIVC Butterfly Valve

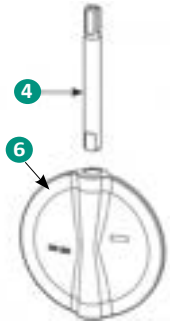
Ductile Iron – PN 16 – Lugged – Hand Lever – Replaceable – Pinless – EN 1092-2

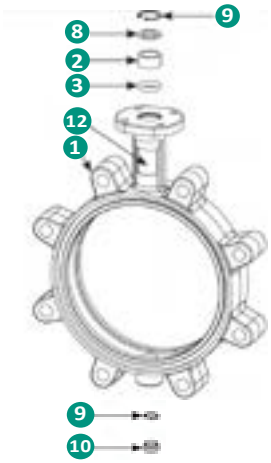
Product Specification

DN 50-100



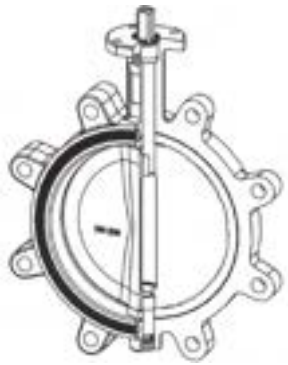
DN 125-200



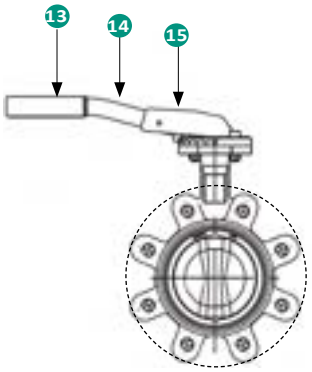




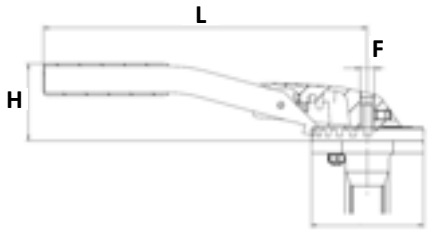
DN 50-200



N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 + Epoxy
2	Bushing	Acetal Delrin DN 40/200 Steel Bronze PTFE DN 250/500
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Ductile Iron EN-GJS-400-15 + Epoxy
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger Ring Body	Zinc-plated Steel DIN 472 DN 50-200 Zinc-plated Steel DIN 472 DN 250-500
10	Lower plug	EPDM DN 125/200 EPDM DN 250/500
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester
13	Hand Lever cover	Vinyl
14	Hand Lever arm	Carbon Steel, Epoxy
15	Hand Lever head	Aluminum, Epoxy



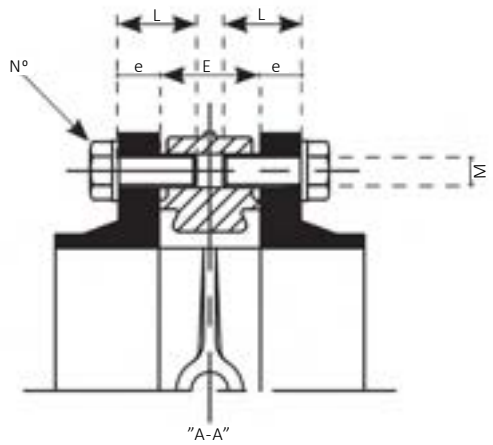
Dimensions



Product Information

Product code	F	L	H	KG
DN 32-65	11	220	49	0.40
DN 80-100	11	260	60	0.45
DN 125-150	14	315	75	0.55
DN 200	17	315	75	0.55

Product Dimensions





Product code	Size	E	K	e	M	L	N°
LUGN30025MNENR1603	25	33	85	16	M12	30	8
LUGN30032MNENR1603	32	33	100	16	M16	30	8
LUGN30040MNENR1603	40	33	110	16	M16	30	8
LUGN30050MNENR1603	50	43	125	18	M16	35	8
LUGN30065MNENR1603	65	46	145	18	M16	40	8
LUGN30080MNENR1603	80	46	160	20	M16	40	16
LUGN30100MNENR1603	100	52	180	20	M16	45	16
LUGN30125MNENR1603	125	56	210	22	M16	50	16
LUGN30150MNENR1603	150	56	240	22	M20	50	16
LUGN30200MNENR1603	200	60	295	24	M20	50	24

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Gearbox – Vulcanized – w/Pin – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile Iron
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Vulcanized EPDM
- Operation: Gearbox in Ductile Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- USP: Dead-end/center service
- Standard: Standard acc. to BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 16; Shaft: SS AISI 431; Thread: Metric
- Testing: BS EN 12266-1
- Shell pressure: 2.40 MPa; Sealing pressure: 1.76 MPa

Field of applications

- Temperature range: -20 to 120 °C
- Max. working pressure: 16 bar

- Petrochemical industry
- Irrigation systems
- Compressed air
- Textile industry
- Mechanical industry

Description

FIVC Lugged Butterfly Valve with vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high-quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions. The vulcanized seat ensures that the valve is both suitable for center service and end-of-line service. Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc	Construction	Seat	Operation
• Stainless Steel • Alu-Bronze	• Pinless	• Replaceable • Other seats upon request	• 15° Notch hand lever • Other operations upon request

Threading	Drilling	PN	Size
• UNC • Whitworth	• PN 20 • PN 25 • ANSI 150	• PN 20 • PN 25	• DN 40+

Product Information

Product code	Size	H	H1	H3	L	ØD2	N-M	a°-b°	C	F	ØV	Kg	OTV *(N.m)*	BTV *(N.m)*	Gearbox		
															OT N-M	Ratio	N° of turns
LUGN30065MDVEPV1623	65	140	94	-	46	145	4-M16	45.0	65	154	135	9.0	17.2	86	200	24:1	6.0
LUGN30080MDVEPV1623	80	145	105	-	46	160	8-M16	22.5	65	154	135	9.5	23.1	86	200	24:1	6.0
LUGN30100MDVEPV1623	100	160	126	-	52	180	8-M16	22.5	65	154	135	12.0	39.8	169	200	24:1	6.0
LUGN30125MDVEPV1623	125	170	140	-	56	210	8-M16	22.5	65	154	135	17.0	61.9	291	200	24:1	6.0
LUGN30150MDVEPV1623	150	190	151	-	56	240	8-M20	22.5	65	154	135	18.0	102	291	200	24:1	6.0
LUGN30200MDVEPV1623	200	220	183	-	60	295	12-M20	15.0	77	225	285	27.5	192	465	500	30:1	7.5
LUGN30250MDVEPV1623	250	260	217	-	68	355	12-M24	15.0	77	225	285	40.0	323	993	500	30:1	7.5
LUGN30300MDVEPV1623	300	290	252	-	78	410	12-M24	15.0	80	215	285	59.0	490	1360	1200	50:1	12.5
LUGN30350MDVEPV1623	350	320	285	-	78	470	16-M24	11.25	80	215	285	67.5	625	1360	1200	50:1	12.5
LUGN30400MDVEPV1623	400	356	315	271	102	525	16-M27	11.25	56	124	385	99	846	2356	1800	80:1	20
LUGN30450MDVEPV1623	450	387	384	271	114	585	20-M27	9.0	56	124	385	152	1170	4120	1800	80:1	20
LUGN30500MDVEPV1623	500	424	390	271	127	650	20-M30	9.0	121	256	285	191	1421	4120	2500	560:1	140
LUGN30600MDVEPV1623	600	524	455	330	154	770	20-M33	9.0	130	285	385	298	2301	6781	4000	640:1	160
LUGN30700MDVEPV1623	700	600	530	378	165	840	24-M33	7.5	149	337	425	431	4253	10961	8000	704:1	176
LUGN30750MDVEPV1623	750	660	539	378	167	900	24-M36	7.5	149	337	425	476	4980	10961	8000	704:1	176
LUGN30800MDVEPV1623	800	666	576	378	190	950	24-M36	7.5	149	337	425	568	5600	10961	8000	704:1	176

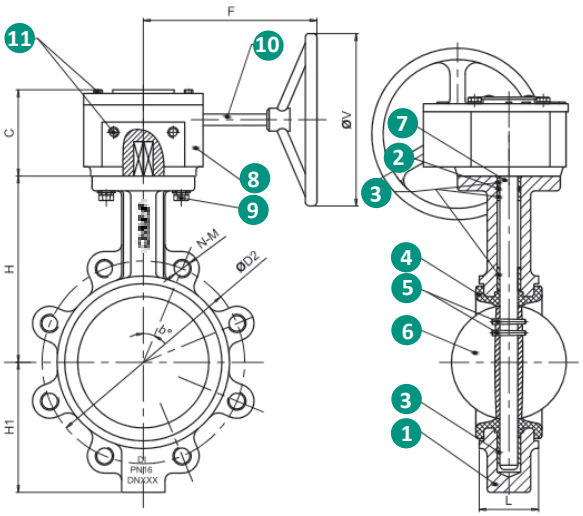
Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value

FIVC Butterfly Valve

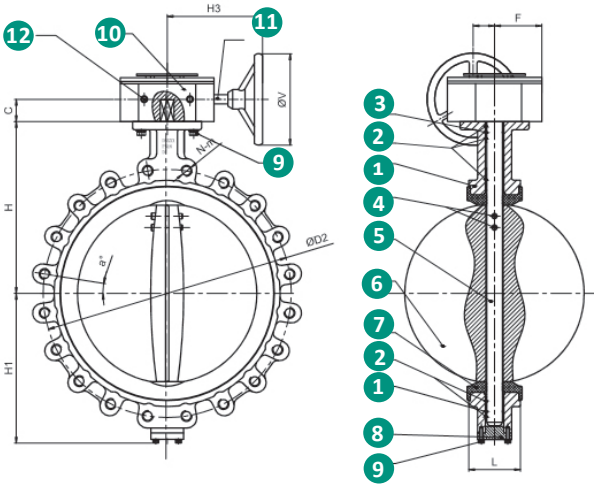
Ductile Iron – PN 16 – Lugged – Gearbox – Vulcanized – w/Pin – EN 1092-2

Dimensions

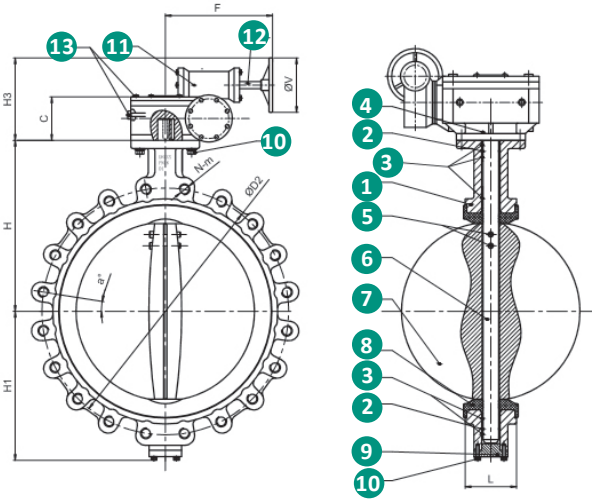
DN 65-350



DN 400-450



DN 500-800



Product Specification

N°	Name	Material
1	Body	Ductile Iron GGG40
2	O-Ring	NBR
3	Bushing	Brass
4	Seat	Vulcanized EPDM
5	Pin	Stainless Steel SS 316
6	Disc	Ductile Iron GGG40
7	Stem	Stainless Steel 431
8	Gearbox	Ductile Iron GGG40
9	Bolt	Stainless Steel 316
10	Input Shaft	Stainless Steel 304
11	Bolt	Stainless Steel 304

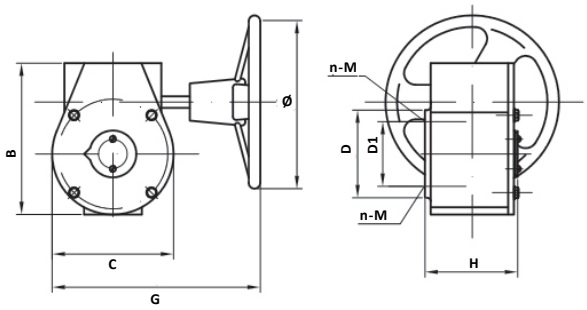
N°	Name	Material
1	Body	Ductile Iron GGG40
2	Bushing	Brass
3	O-Ring	NBR
4	Pin	Stainless Steel 316
5	Stem	Stainless Steel 431
6	Disc	Ductile Iron GGG40
7	Seat	Vulcanized EPDM
8	Cover	Ductile Iron GGG40
9	Bolt and accessories	Stainless Steel 316
10	Gearbox	Ductile Iron GGG40
11	Input Shaft	Stainless Steel 304
12	Bolts	Stainless Steel 304

N°	Name	Material
1	Body	Ductile Iron GGG40
2	O-Ring	NBR
3	Bushing	Brass
4	Key	Carbon Steel
5	Pin	Stainless Steel 316
6	Stem	Stainless Steel 431
7	Disc	Ductile Iron GGG40
8	Seat	Vulcanized EPDM
9	Cover	Ductile Iron GGG40
10	Bolt and accessories	Stainless Steel 316
11	Gearbox	Ductile Iron GGG40
12	Input Shaft	Stainless Steel 304
13	Bolts	Stainless Steel 304

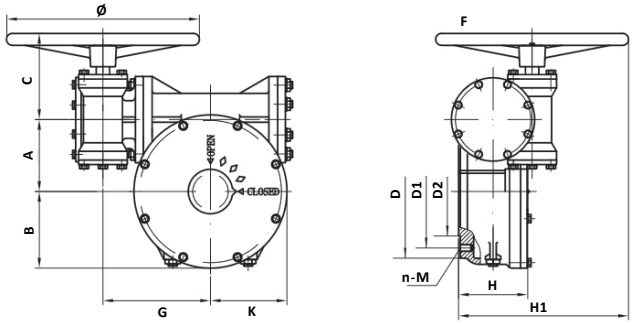
FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Gearbox – Vulcanized – w/Pin – EN 1092-2

DN 65-450



DN 500-800



Gearbox Dimensions

Valve size	A	B	C	D	D1	D2	H	H1	G	K	Ø	n-M
65-150	-	125	102	90	70	-	65		203	-	135	-
200-250	-	167	141	125	102	-	79		295	-	285	-
300-350	-	188	152	175	140	-	80		291	-	285	-
400-450	-	279	247	210	165		109		336		390	
500	100	107	156	210	165	130	125	271	168	107	285	4-M20
600	125	131	160	210	165	130	136	330	193	131	385	4-M20
700-800	140	146	197	300	254	200	149	378	230	146	425	8-M16

Dimensions are in millimeters

FIVC Butterfly Valve

Ductile Iron – PN 25 – Lugged – Gearbox – Vulcanized – w/Pin – EN 1092



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile Iron
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Vulcanized EPDM
- Operation: Gearbox in Ductile Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- USP: Dead-end/center service
- Standard: BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 25; Shaft: SS AISI 431/630; Thread: Metric
- Tests: Inspection test acc. to BS EN 12266-1

Field of applications

- Temperature range: -15 to 120 °C
- Max. working pressure: 25 bar

- Petrochemical industry
- Irrigation systems
- Mining and infrastructure industries
- Shipyard industry
- Compressed air
- Textile industry
- Mechanical industry
- Steam applications
- Other various industries

Description

FIVC Lugged Butterfly Valve with its vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function. Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions.

The vulcanized seat ensures that the valve is both suitable for center service and end-of-line service. Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive No 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu-Bronze
- Stainless Steel

Construction
- Pinless

Seat
- Replaceable
- Other seats upon request

Operation
- 15° Notch hand lever
- Other operations upon request

Threading
- UNC
- Whitworth

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 16
- PN 20

Size
- DN 40+

Product Information

Product code	Size *(DN)*	H*	H1*	H3*	L*	ØD2*	N-M	a°-b°*	C*	F*	ØV-V*	Kg	OTV *(N.m)*	BTV *(N.m)*	Gearbox		
															OT N-M	Ratio	N° of turns
LUGN30065MDVEPV2529	65	140	94	-	46	145	8-M16	22.5	65	154	135	11	26	86	200	24:1	6
LUGN30080MDVEPV2529	80	145	105	-	46	160	8-M16	22.5	65	154	135	11.6	35	86	200	24:1	6
LUGN30100MDVEPV2529	100	160	126	-	52	190	8-M20	22.5	65	154	135	15.3	60	169	200	24:1	6
LUGN30125MDVEPV2529	125	170	140	-	56	220	8-M24	22.5	65	154	135	19.8	93	291	200	24:1	6
LUGN30150MDVEPV2529	150	190	151	-	56	250	8-M24	22.5	65	154	135	20.5	153	291	200	24:1	6
LUGN30200MDVEPV2529	200	220	183	-	60	310	12-M24	15	77	225	285	33.1	288	992	500	32:1	8
LUGN30250MDVEPV2529	250	260	217	-	68	370	12-M27	15	77	225	285	56.5	485	1360	500	32:1	8
LUGN30300MDVEPV2529	300	290	252	-	78	430	16-M27	11.25	80	215	285	77.2	735	1563	1200	50:1	12.5
LUGN30350MDVEPV2529	350	320	285	-	78	490	16-M30	11.25	80	215	285	96.2	938	2356	1200	50:1	12.5
LUGN30400MDVEPV2530	400	356	325	271	102	550	16-M33	11.25	121	256	285	142.1	1269	3928	2.5x103	560:1	140
LUGN30450MDVEPV2530	450	387	384	271	114	600	20-M33	9	121	256	285	218.6	1697	5072	2.5x103	560:1	140
LUGN30500MDVEPV2530	500	424	392	271	127	600	20-M33	9	121	256	285	290.6	2147	6788	2.5x103	560:1	140
LUGN30600MDVEPV2530	600	524	455	330	154	770	20-M36	9	130	285	385	458.6	3452	10780	4x103	506:1	140
LUGN30700MDVEPV2530	700	600	530	378	165	875	24-M39	7.5	149	377	425	593.5	6380	14788	8x103	704:1	176
LUGN30750MDVEPV2530	750	660	539	378	167	-	-	-	149	377	425	661	7390	18188	8x103	704:1	176
LUGN30800MDVEPV2530	800	666	576	378	190	990	24-M45	7.5	149	377	425	799	8400	18188	8x103	704:1	176

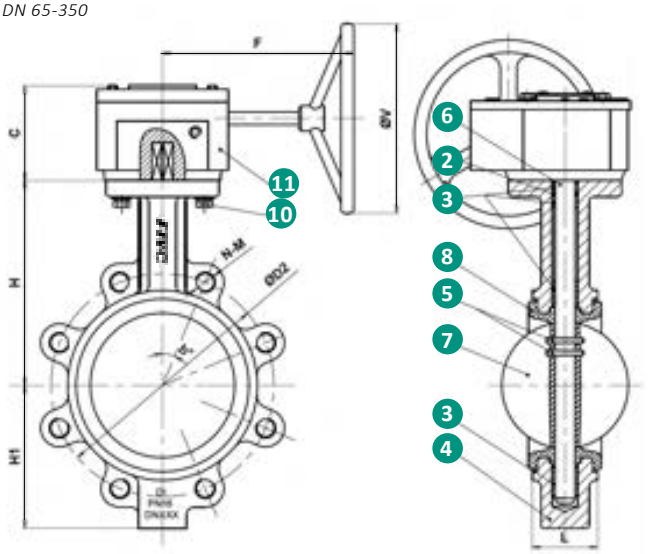
**Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value*

FIVC Butterfly Valve

Ductile Iron – PN 25 – Lugged – Gearbox – Vulcanized – w/Pin – EN 1092-2

Dimensions

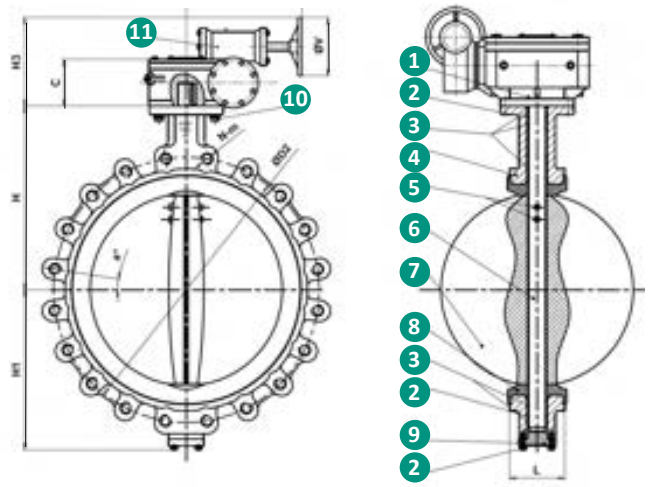
DN 65-350



Product Specification

N°	Name	Material
1	Key *Only for DN 600+*	Carbon Steel
2	O-Ring	NBR
3	Bushing	Brass C836600 + C37700
4	Body	Ductile Iron GGG 40
5	Pin	Stainless Steel SS 316 DN 65-100: 1 pcs. DN 125+: 2 pcs.
6	Stem	DN 40-350: Stainless Steel 431 DN 400-800: Stainless Steel 630
7	Disc	Ductile Iron GGG 40
8	Seat	Vulcanized EPDM
9	Cover	Ductile Iron GGG 40
10	Bolts and Accessories	Stainless Steel 316
11	Gearbox	Ductile Iron

DN 400-800

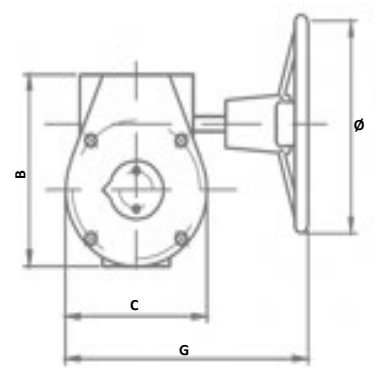


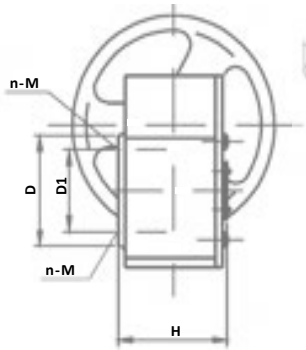
Gearbox Dimensions

Valve size (DN)	A*	B*	C*	D*	D1*	D2*	E-H*	F*	G*	K*	Φ*	n-M
65-150	-	125	102	92	70	-	65		203		135	-
200-250	-	167	141	125	102	-	79		295		285	-
300-350	-	188	152	125	102	-	80		291		285	-
400-500	100	107	162	175	140	100	67	60	170	107	285	4-M16/ 4-M20
600	125	131	172	276	165	-	65	66	192	131	385	4-M20
700-800	140	146	200	300	254	200	72	88	224	146	425	8-M16

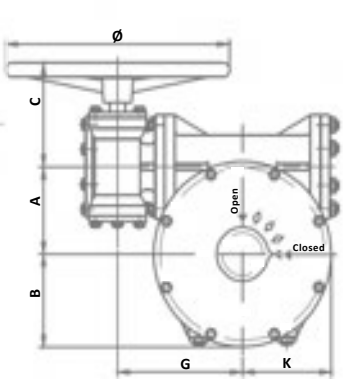
**Dimensions are in millimeters*

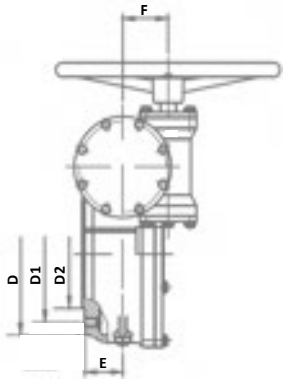
DN 65-350





DN 400-800





FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Gearbox – Replaceable – Pinless – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile Iron
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Gearbox in Ductile Iron
- Coating: Epoxy
- USP: Maintenance/installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211
- Dimensions: Face-to-Face acc. to EN 558-1 *(series 20)*
  DIN 3202 T3 K1. ISO 5752 T5
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Metric
- Tests: Hydraulic acc.to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC
- Irrigation
- Shipbuilding

Description

FIVC Lugged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can by its high quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu Bronze
- Stainless Steel

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

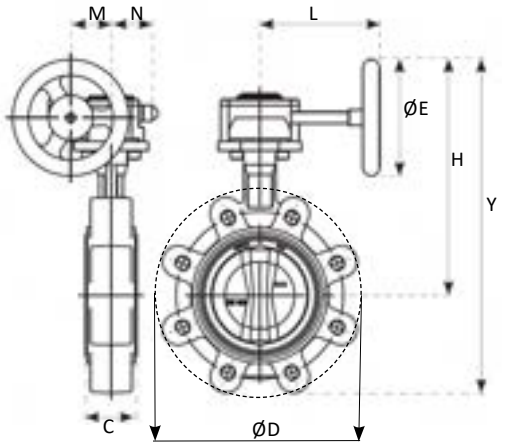
Operation
- 15° notch hand-lever
- Gearbox
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

Dimensions



Product code	Size	ØD	C	ØE	H	Y	L	M	N	Kg
LUGN30050MDVENR1603	50	156	43	125	208	267	129	43.5	50.5	4.2
LUGN30065MDVENR1603	65	175	46	125	223	289	129	43.5	50.5	4.6
LUGN30080MDVENR1603	80	194	46	125	229	320	129	43.5	50.5	6.0
LUGN30100MDVENR1603	100	224	52	125	253	358	129	43.5	50.5	7.6
LUGN30125MDVENR1603	125	267	56	160	286	410	135	43.5	50.5	11.3
LUGN30150MDVENR1603	150	292	56	160	298	435	135	43.5	50.5	12.0
LUGN30200MDVENR1603	200	352	60	200	255	526	152	52.5	59	20.1
LUGN30250MDVENR1603	250	408	68	250	442	652	222	61.2	70.5	29.8
LUGN30300MDVENR1603	300	480	78	250	468	708	222	61.2	70.5	43.1
LUGN30350MDVENR1603	350	522	78	250	498	762	222	61.2	70.5	59.5
LUGN30400MDVENR1603	400	595	102	300	572	880	277	68.8	72.5	84
LUGN30450MDVENR1603	450	633	114	400	630	970	321	96.5	91.5	122
LUGN30500MDVENR1603	500	717	127	400	682	1062	321	96.5	91.5	177
LUGN30600MDVENR1603	600	833	154	500	798	1239	408	138	140	255
LUGN30700MDVENR1603	700	904	165	600	914	1400	456	138	140	333
LUGN30750MDVENR1603	750	964	190	600	944	1474	456	138	140	415
LUGN30800MDVENR1603	800	1020	190	700	1044	1608	510	180	156	487
LUGN30900MDVENR1603	900	1120	203	700	1108	1718	510	180	156	601
LUGN31000MDVENR1603	1000	1246	216	700	1184	1858	579	180	156	758

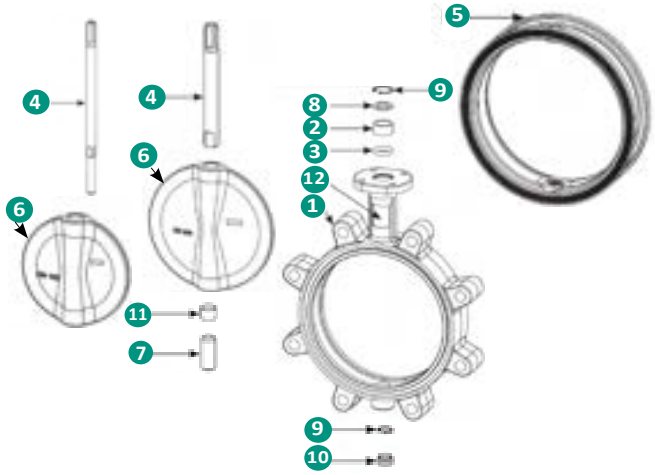
Dimensions are in millimeters

FIVC Butterfly Valve

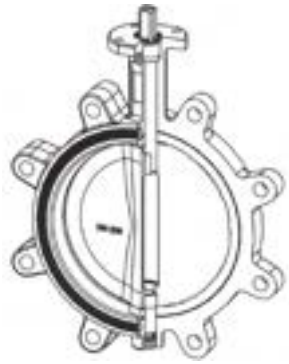
Ductile Iron – PN 16 – Lugged – Gearbox – Replaceable – Pinless – EN 1092-2

Product Specification

DN 50-100 *DN 125-200*

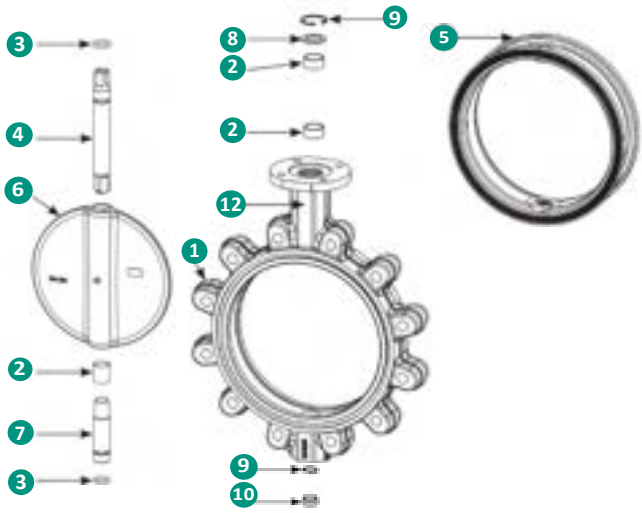


DN 50-200

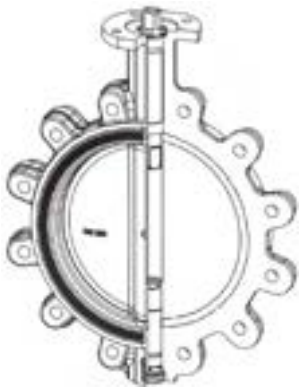


N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 + Epoxy
2	Bushing	Acetal Delrin DN 40/200 Steel Bronze PTFE DN 250/500
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Ductile Iron EN-GJS-400-15 + Epoxy
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger Ring Body	Zinc-plated Steel DIN 472 DN 50-200 Zinc-plated Steel DIN 472 DN 250-500
10	Lower plug	EPDM DN 125/200 EPDM DN 250/500
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester

DN 250-500



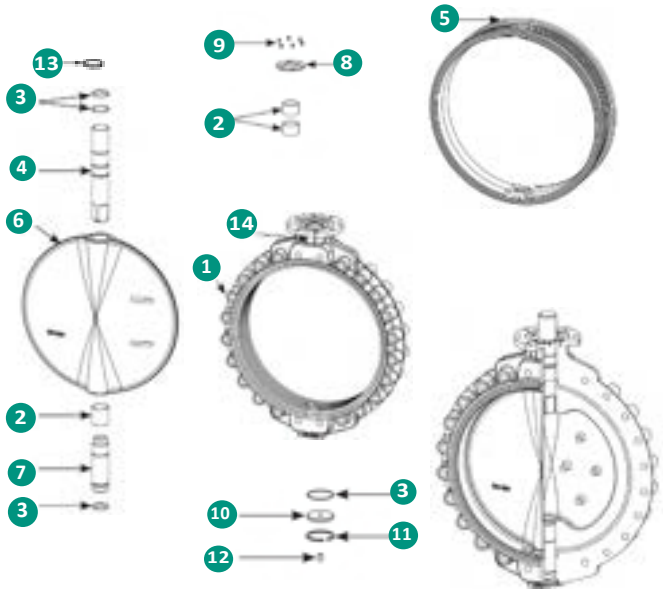
DN 400



FIVC Butterfly Valve

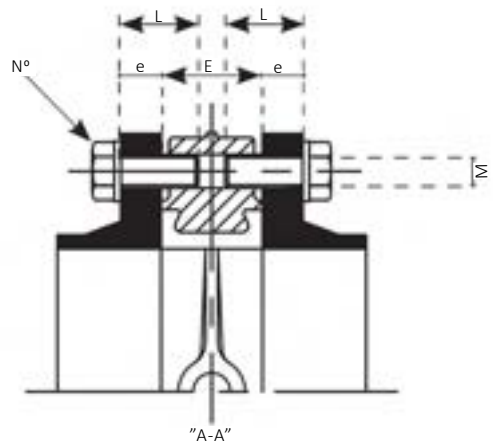
Ductile Iron – PN 16 – Lugged – Gearbox – Replaceable – Pinless – EN 1092-2

DN 600/1000



N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 + Epoxy
2	Bushing	Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Ductile Iron EN-GJS-400-15 + Epoxy
7	Lower shaft	Stainless Steel AISI 420
8	Upper Cover	Carbon Steel, Coating Epoxy
9	Bolt upper cover	Zinc-plated Steel DIN 7991
10	Lower Cover	Carbon Steel Coating Epoxy
11	Seeger Ring Body	Zinc-plated Steel DIN 472
12	Screw	Zinc-plated Steel DIN 913 DN 750/1000
13	Retaining Ring Shaft	Zinc-plated Steel DIN 471 DN 600/800
14	Features Tag	Polyester

Product Dimensions





Product code	Size	E	K	e	M	L	N°
LUGN30050MDVENR1603	50	43	125	18	M16	35	8
LUGN30065MDVENR1603	65	46	145	18	M16	40	8
LUGN30080MDVENR1603	80	46	160	20	M16	40	16
LUGN30100MDVENR1603	100	52	180	20	M16	45	16
LUGN30125MDVENR1603	125	56	210	22	M16	50	16
LUGN30150MDVENR1603	150	56	240	22	M20	50	16
LUGN30200MDVENR1603	200	60	295	24	M20	50	24
LUGN30250MDVENR1603	250	68	355	26	M24	60	24
LUGN30300MDVENR1603	300	78	410	28	M24	65	24
LUGN30350MDVENR1603	350	78	470	30	M24	65	32
LUGN30400MDVENR1603	400	102	525	32	M27	65	32
LUGN30450MDVENR1603	450	114	585	32	M27	80/60	32/8
LUGN30500MDVENR1603	500	127	650	34	M30	65	40
LUGN30600MDVENR1603	600	154	770	36	M33	110	40
LUGN30700MDVENR1603	700	165	840	36	M33	120/85	40/8
LUGN30750MDVENR1603	750	190	900	38	M33	130/100	40/8
LUGN30800MDVENR1603	800	190	950	38	M36	130/110	40/8
LUGN30900MDVENR1603	900	203	1050	40	M36	140/100	48/8
LUGN31000MDVENR1603	1000	216	1170	42	M39	150/100	48/8

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Hand lever – Vulcanized – w/Pin – EN 1092-2



FSV series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile Iron/ENP
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Vulcanized EPDM
- Operation: 15° Notch hand lever - Malleable Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- USP: Dead-end/center service
- Standard: BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 16; Shaft: SS AISI 431; Thread: Metric
- Tests: Inspection test acc. to BS EN 12266-1

Field of applications

- Max. temperature: -15 to 120 °C
- Max. working pressure: 16 bar

- Petrochemical industry
- Irrigation systems
- Mining and infrastructure industries
- Shipyard industry
- Compressed air
- Textile industry
- Mechanical industry
- Steam applications
- Other various industries

Description

FIVC Lugged Butterfly Valve with vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function. Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions.

The vulcanized seat ensures that the valve is both suitable for center service and end-of-line service. Furthermore, the valve can be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu Bronze
- Stainless Steel

Construction
- Pinless

Seat
- Replaceable
- Other seats upon request

Operation
- Gearbox
- Other operations upon request

Threading
- UNC
- Whitworth

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20
- PN 25

Size
- DN 40+

Product Information

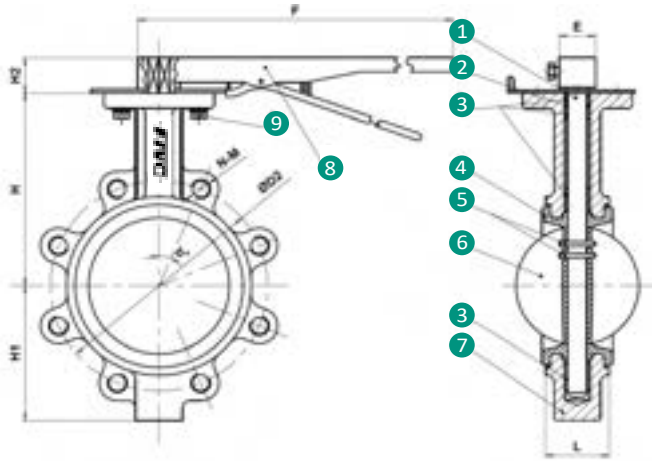
Product code	Size *(DN)*	H*	H1*	H2*	L*	ØD2*	N-M	b°*	E*	F*	Kg	OTV *(N.m)*	BTV *(N.m)*
LUGN3NP0040MNEPV1623	40	105	73	32	33	110	4-M16	45	35	223	5.1	15.1	86
LUGN3NP0050MNEPV1623	50	130	85	32	33	125	4-M16	45	35	223	5.6	16	86
LUGN3NP0065MNEPV1623	65	140	94	32	46	145	4-M16	45	35	223	7.3	17.2	86
LUGN3NP0080MNEPV1623	80	145	105	32	46	160	8-M16	22.5	35	223	7.8	23.1	86
LUGN3NP0100MNEPV1623	100	160	126	32	52	180	8-M16	22.5	35	263	12	39.8	169
LUGN3NP0125MNEPV1623	125	170	140	32	56	210	8-M16	22.5	35	263	15.7	61.9	291
LUGN3NP0150MNEPV1623	150	190	151	32	56	240	8-M20	22.5	35	263	17	102	291
LUGN3NP0200MNEPV1623	200	220	183	35	60	295	12-M20	15	48	358	19	192	465

**Dimensions are in millimeters*

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Hand lever – Vulcanized – w/Pin – EN 1092-2

Dimensions



Product Specification

N°	Name	Material
1	Stem	Stainless Steel SS 431
2	O-Ring	NBR
3	Bushing	Brass
4	Seat	EPDM - Vulcanized
5	Pin	Stainless Steel SS 316 DN 65-100: 1 pcs. DN 125+: 2 pcs.
6	Disc	GGG40 DI + ENP (Electrical Nickel Plated)
7	Body	Ductile Iron
8	Handle	Malleable Iron
9	Bolt	Stainless Steel SS 316

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Hand lever – Vulcanized – w/Pin – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Vulcanized EPDM
- Operation: 15° Notch hand lever - Malleable Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- USP: Dead-end/center service
- Standard: BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 16; Shaft: SS AISI 431; Thread: Metric
- Testing: BS EN 12266-1
- Shell pressure: 2.40 MPa; Sealing pressure: 1.76 MPa

Field of applications

- Temperature range: -20 to 120 °C
- Max. working pressure: 16 bar

- Petrochemical industry
- Irrigation systems
- Compressed air industries
- Textile industry
- Mechanical industry

Description

FIVC Lugged Butterfly Valve with vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high-quality rotational disc, the valve features quick shut-off function. Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions.

The vulcanized seat ensures that the valve is both suitable for center service and end-of-line service. Furthermore, the valve can be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc	Construction	Seat	Operation
• Alu-Bronze • Ductile Iron	• Pinless	• Replaceable • Other seats upon request	• Gearbox • Other operations upon request

Threading	Drilling	PN	Size
• UNC • Whitworth	• PN 20 • PN 25 • ANSI 150	• PN 20 • PN 25	• DN 40+

Product Information

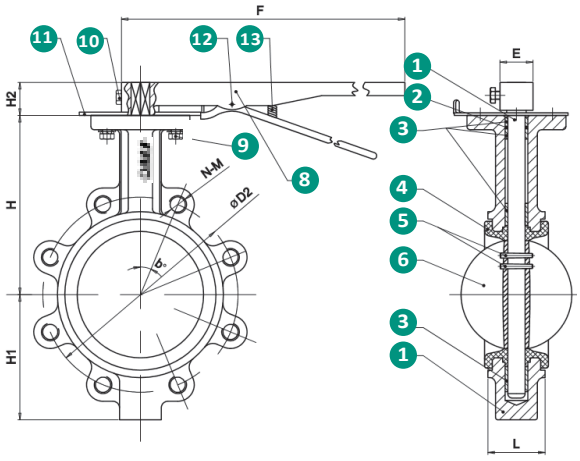
Product code	Size	H	H1	H2	L	ØD2	N-M	b°	E	F	Kg	OTV *(N.m)*	BTV *(N.m)*
LUGN50040MNEPV1623	40	105	73	32	33	110	4-M16	45.0	35	223	4.0	15.1	86
LUGN50050MNEPV1623	50	130	85	32	33	125	4-M16	45.0	35	223	4.5	16.0	86
LUGN50065MNEPV1623	65	140	94	32	46	145	4-M16	45.0	35	223	5.5	17.2	86
LUGN50080MNEPV1623	80	145	105	32	46	160	8-M16	22.5	35	223	6.0	23.1	86
LUGN50100MNEPV1623	100	160	126	32	52	180	8-M16	22.5	35	263	9.0	39.8	169
LUGN50125MNEPV1623	125	170	140	32	56	210	8-M16	22.5	35	263	13.5	61.9	291
LUGN50150MNEPV1623	150	190	151	32	56	240	8-M20	22.5	35	263	14.5	102	291
LUGN50200MNEPV1623	200	220	183	35	60	295	12-M20	15.0	48	358	20.0	192	465

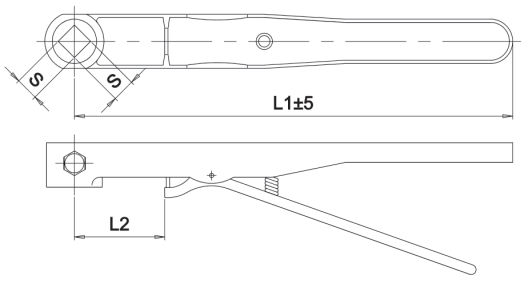
Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Hand lever – Vulcanized – w/Pin – EN 1092-2

Dimensions





Product Specification

N°	Name	Material
1	Body	Ductile Iron GGG40
2	O-Ring	NBR
3	Bushing	Brass
4	Seat	EPDM - Vulcanized
5	Pin	Stainless Steel 316
6	Disc	Stainless Steel CF8M
7	Stem	Stainless Steel 431
8	Handle	Malleable Iron + Epoxy
9	Bolt	Stainless Steel 316
10	Bolt	Stainless Steel 316
11	Notch	Stainless Steel 316
12	Splint Pin	65 MN + Epoxy
13	Spring	65 MN + Epoxy

Product Information

Product code	L1	L2	SxS
DN 40	223	55	9x9
DN 50	223	55	9x9
DN 65	223	55	11x11
DN 80	223	55	11x11
DN 100	261	55	14x14
DN 125	261	55	14x14
DN 150	261	55	14x14
DN 200	358	76	17x17

FIVC Butterfly Valve

Ductile Iron – PN 25 – Lugged – Hand lever – Vulcanized – w/Pin – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Vulcanized EPDM
- Operation: 15° Notch hand lever - Malleable Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- USP: Dead-end/center service
- Standard: BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 25; Shaft: SS AISI 431; Thread: Metric
- Testing: BS EN 12266-1
- Shell pressure: 3.75 MPa; Sealing pressure: 2.75 MPa

Field of applications

- Temperature range: -20 to 120 °C
- Max. working pressure: 25 bar

- Petrochemical industry
- Irrigation systems
- Compressed air
- industries
- Textile industry
- Mechanical industry

Description

FIVC Lugged Butterfly Valve with vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high-quality rotational disc, the valve features quick shut-off function. Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions.

The vulcanized seat ensures that the valve is both suitable for center service and end-of-line service. Furthermore, the valve can be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu-Bronze
- Ductile Iron

Construction
- Pinless

Seat
- Replaceable
- Other seats upon request

Operation
- Gearbox
- Other operations upon request

Threading
- UNC
- Whitworth

Drilling
- PN 20
- PN 16
- ANSI 150

PN
- PN 20
- PN 16

Size
- DN 40+

Product Information

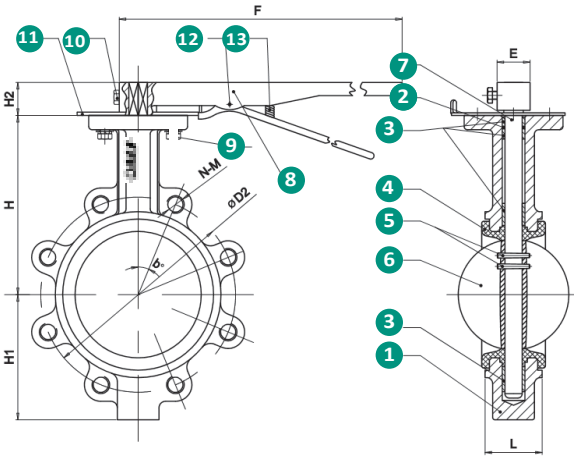
Product code	Size	H	H1	H2	L	ØD2	N-M	b°	E	F	Kg	OTV *(N.m)*	BTV *(N.m)*
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LUGN50050MNEPV2529	50	130	85	32	33	125	4-M16	45.0	35	223	5.0	23	86
LUGN50065MNEPV2529	65	140	94	32	46	145	8-M16	22.5	35	223	6.0	26	86
LUGN50080MNEPV2529	80	145	105	32	46	160	8-M16	22.5	35	223	6.5	35	86
LUGN50100MNEPV2529	100	160	126	32	52	190	8-M20	22.5	35	223	9.0	60	169
LUGN50125MNEPV2529	125	170	140	32	56	220	8-M24	22.5	35	223	14.0	93	291
LUGN50150MNEPV2529	150	190	151	32	56	250	8-M24	22.5	35	223	15.5	153	291
LUGN50200MNEPV2529	200	220	183	35	60	310	12-M24	15.0	38	358	24.5	288	992

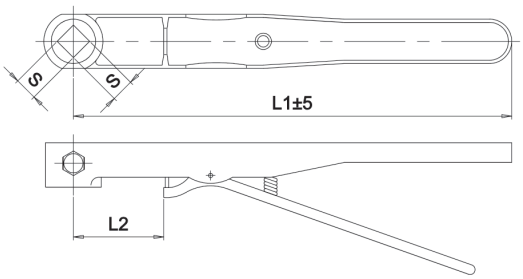
Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value

FIVC Butterfly Valve

Ductile Iron – PN 25 – Lugged – Hand lever – Vulcanized – w/Pin – EN 1092-2

Dimensions





Product Specification

N°	Name	Material
1	Body	Ductile Iron GGG40
2	O-Ring	NBR
3	Bushing	Brass
4	Seat	EPDM - Vulcanized
5	Pin	Stainless Steel 316
6	Disc	Stainless Steel CF8M
7	Stem	Stainless Steel 431
8	Handle	Malleable Iron + Epoxy
9	Bolt	Stainless Steel 316
10	Bolt	Stainless Steel 316
11	Notch	Stainless Steel 316
12	Splint Pin	65 MN + Epoxy
13	Spring	65 MN + Epoxy

Product Information

Product code	L1	L2	SxS
DN 40	223	55	9x9
DN 50	223	55	9x9
DN 65	223	55	11x11
DN 80	223	55	11x11
DN 100	261	55	14x14
DN 125	261	55	14x14
DN 150	261	55	14x14
DN 200	358	76	17x17

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Hand Lever – Replaceable – Pinless – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Hand Lever
- Coating: Epoxy
- USP: Maintenance/installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211
- Dimensions: Face-to-Face acc. to EN 558-1 *(series 20)*
  DIN 3202 T3 K1. ISO 5752 T5
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Metric
- Tests: Hydraulic acc.to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC
- Irrigation
- Shipbuilding

Description

FIVC Lugged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high-quality rotational disc, the valve features quick shut-off function.
Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pin-less construction leads to good corrosion resistance.
Furthermore, the valve can be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Ductile Iron
- Alu-Bronze

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

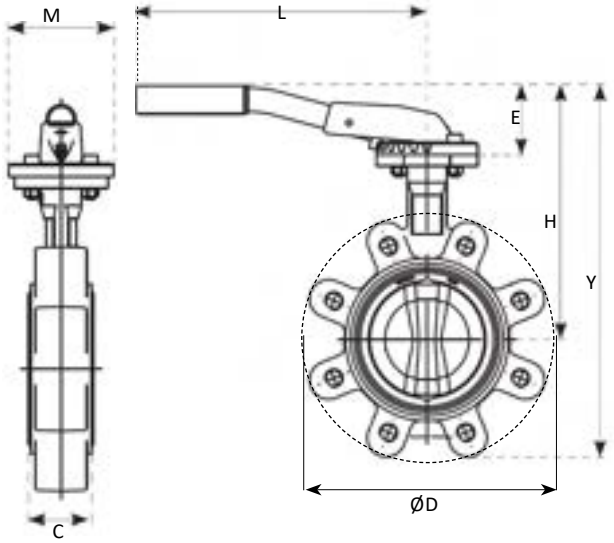
Operation
- 15° notch hand-lever
- Gearbox
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

Dimensions



Product Information

Product code	Size	C	ØD	E	H	Y	L	M	Kg
LUGN50025MNENR1603	25	33	130	49	151.5	202	220	90	2.3
LUGN50032MNENR1603	32	33	130	49	151.5	202	220	90	2.3
LUGN50040MNENR1603	40	33	140	49	159	213	220	90	2.5
LUGN50050MNENR1603	50	43	156	49	169	230	220	90	3.3
LUGN50065MNENR1603	65	46	175	49	184	252	220	90	3.7
LUGN50080MNENR1603	80	46	194	60	201	294	260	90	5.3
LUGN50100MNENR1603	100	52	224	60	225	330	260	90	6.8
LUGN50125MNENR1603	125	56	267	75	255	381	315	90	10.4
LUGN50150MNENR1603	150	56	292	75	268	405	315	90	11.2
LUGN50200MNENR1603	200	60	352	75	300	471	315	90	18.1

**Dimensions are in millimeters*

FIVC Butterfly Valve

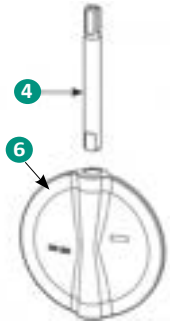
Ductile Iron – PN 16 – Lugged – Hand Lever – Replaceable – Pinless – EN 1092-2

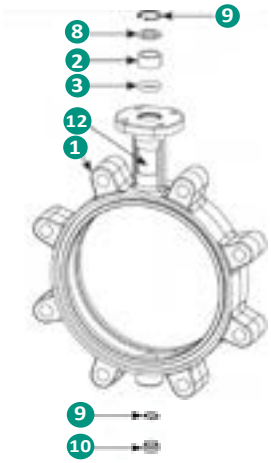
Product Specification

DN 50-100



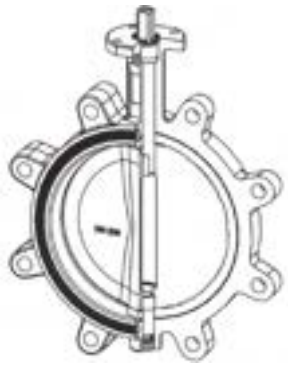
DN 125-200



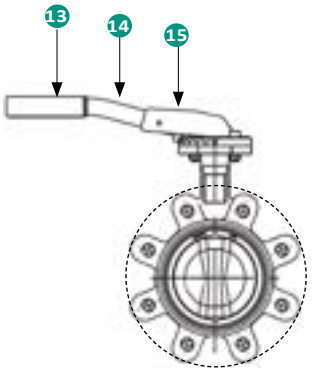




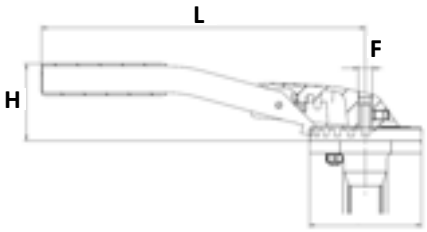
DN 50-200



N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 + Epoxy
2	Bushing	Acetal Delrin DN 40/200 Steel Bronze PTFE DN 250/500
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Stainless Steel CF8M
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger Ring Body	Zinc-plated Steel DIN 472 DN 50-200 Zinc-plated Steel DIN 472 DN 250-500
10	Lower plug	EPDM DN 125/200 EPDM DN 250/500
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester
13	Hand Lever cover	Vinyl
14	Hand Lever arm	Carbon Steel, Epoxy
15	Hand Lever head	Aluminum, Epoxy



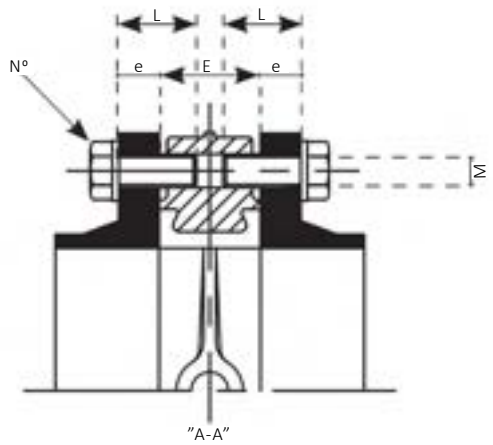
Dimensions



Product Information

Product code	F	L	H	KG
DN 32-65	11	220	49	0.40
DN 80-100	11	260	60	0.45
DN 125-150	14	315	75	0.55
DN 200	17	315	75	0.55

Product Dimensions





Product code	Size	E	K	e	M	L	N°
LUGN50025MNENR1603	25	33	85	16	M12	30	8
LUGN50032MNENR1603	32	33	100	16	M16	30	8
LUGN50040MNENR1603	40	33	110	16	M16	30	8
LUGN50050MNENR1603	50	43	125	18	M16	35	8
LUGN50065MNENR1603	65	46	145	18	M16	40	8
LUGN50080MNENR1603	80	46	160	20	M16	40	16
LUGN50100MNENR1603	100	52	180	20	M16	45	16
LUGN50125MNENR1603	125	56	210	22	M16	50	16
LUGN50150MNENR1603	150	56	240	22	M20	50	16
LUGN50200MNENR1603	200	60	295	24	M20	50	24

FIVC Butterfly Valve

Ductile Iron – PN 25 – Lugged – Hand lever – Glued – Pinless – EN 1092-2



LUG series

Technical data

Main features and materials

• Body:	Ductile Iron	
• Disc:	Stainless Steel	
• Stem:	Stainless Steel	
• Seat:	Glued EPDM	
• Operation:	Hand lever in Malleable Iron	
• Coating:	Epoxy RAL 5015 *(120 µ)*	
• Dimensions:	Face-to-Face acc. to EN 558-1 *(series 20)*	
• Design:	EN 593	
• Type:	Drilling:	PN 25
	Shaft:	SS AISI 420/1.4542
	Thread:	Metric
• Hydrostatic test: Resistance	EN 12266-1 Open valve: 37.5 Kg/cm^3 Closed valve: 27.5 kg/cm^3	

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 25 bar

- HVAC
- Water distribution
- Fire fighting
- Shipbuilding
- Neutral fluids
- Gas distribution

Description

FIVC Lugged Butterfly Valve with its glued seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Since the valve is pinless, the disc is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can easily be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu Bronze
- Ductile Iron

Construction
- w/Pin

Seat
- Vulcanized
- Replaceable

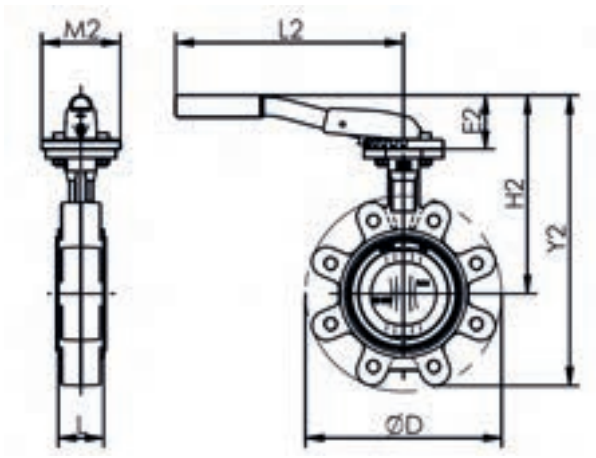
Operation
- Gearbox
- Actuator
- Other operations upon request

Drilling
- PN 16
- PN 20
- ANSI 150

PN
- PN 16 (w/pin)
- PN 20 (w/pin)

Size
- DN 40+

Dimensions



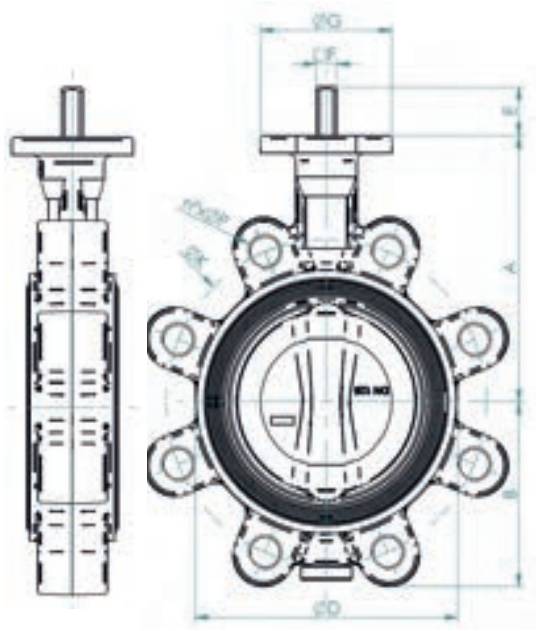
Product code	Size	D	L	E2	H2	Y2	L2	M2	Kg
LUGN50025MNENG2509	25	130	33	49	151.5	202	220	90	2.3
LUGN50032MNENG2509	32	130	33	49	151.5	202	220	90	2.3
LUGN50040MNENG2509	40	140	33	49	159	213	220	90	2.5
LUGN50050MNENG2509	50	156	43	49	169	230	220	90	3.3
LUGN50065MNENG2509	65	175	46	49	184	252	220	90	3.7
LUGN50080MNENG2509	80	194	46	60	201	294	260	90	5.3
LUGN50100MNENG2509	100	224	52	60	225	330	260	90	6.8
LUGN50125MNENG2509	125	267	56	75	255	381	315	90	10.4
LUGN50150MNENG2509	150	292	56	75	268	405	315	90	11.2
LUGN50200MNENG2509	200	352	60	75	300	471	315	90	18.1

Dimensions are in millimeters

FIVC Butterfly Valve

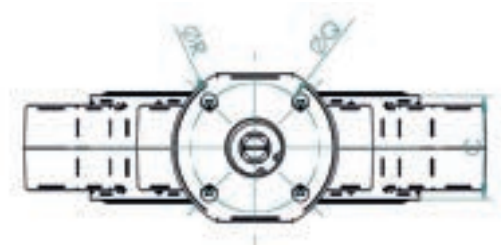
Ductile Iron – PN 25 – Lugged – Hand lever – Glued – Pinless – EN 1092-2

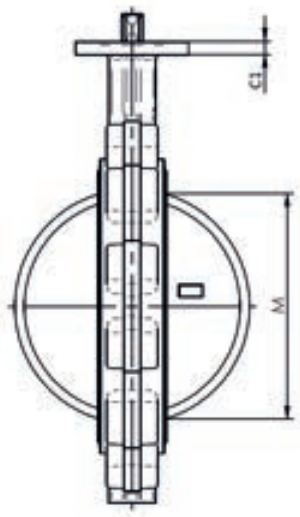
Dimensions of the bare shaft



Product code	Size	A	B	C	ØD	E	F	ØG	ØK
LUGN50025MNENG2509	25	102.5.	50	33	68	30	11	90	85
LUGN50032MNENG2509	32	102.5	50	33	68	30	11	90	100
LUGN50040MNENG2509	40	110	54	33	76	30	11	90	110
LUGN50050MNENG2509	50	120	59	43	100	30	11	90	125
LUGN50065MNENG2509	65	135	66	46	108	30	11	90	145
LUGN50080MNENG2509	80	141	91	46	124	30	11	90	160
LUGN50100MNENG2509	100	165	105	52	147	30	11	90	190
LUGN50125MNENG2509	125	180	125	56	180	33	14	90	220
LUGN50150MNENG2509	150	193	136	56	206	33	14	90	250
LUGN50200MNENG2509	200	225	171	60	257	33	17	90	310

Dimensions are in millimeters

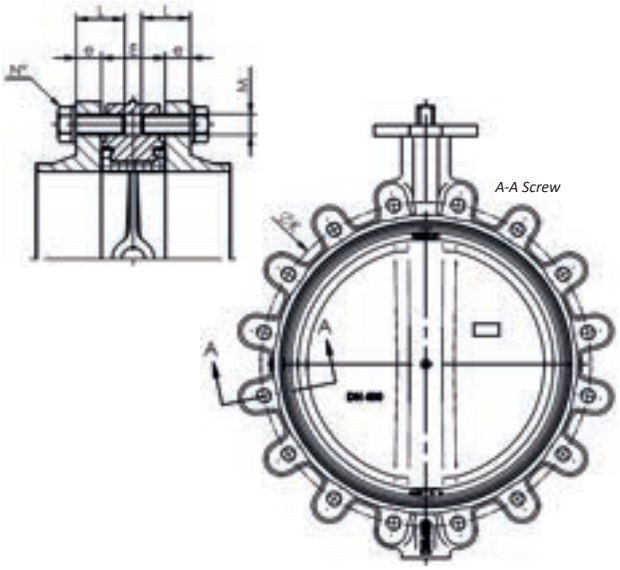




Product code	Size	NºØP	ISO	ØQ	ØR	C1	M
LUGN50025MNENG2509	25	4xM12	F-07	70	4x9	8	14
LUGN50032MNENG2509	32	4xM16	F-07	70	4x9	8	14
LUGN50040MNENG2509	40	4xM16	F-07	70	4x9	10	26
LUGN50050MNENG2509	50	4xM16	F-07	70	4x9	10	29
LUGN50065MNENG2509	65	4xM16	F-07	70	4x9	10	46
LUGN50080MNENG2509	80	4xM16	F-07	70	4x9	10	65
LUGN50100MNENG2509	100	8xM20	F-07	70	4x9	10	90
LUGN50125MNENG2509	125	8xM24	F-07	70	4x9	12	112
LUGN50150MNENG2509	150	8xM24	F-07	70	4x9	12	139
LUGN50200MNENG2509	200	12xM24	F-07	70	4x9	12	191

Dimensions are in millimeters

Screw assembly

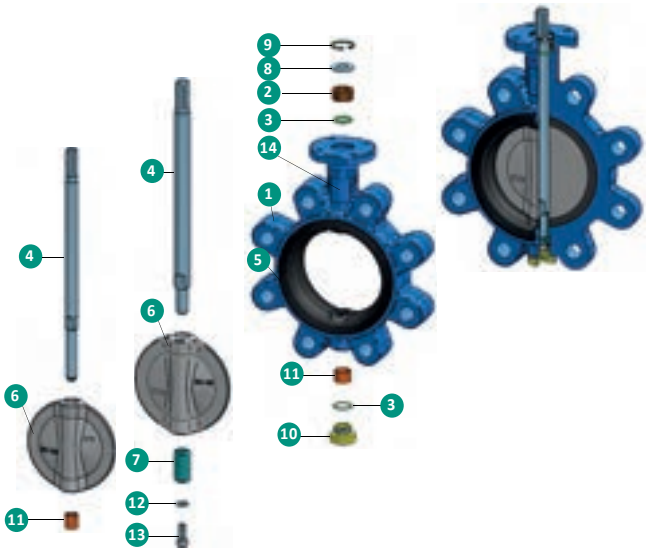


Product code	Size	E	K	e	M	L	N°
LUGN50025MNENG2509	25	33	85	16	M12	30	8
LUGN50032MNENG2509	32	33	100	16	M16	30	8
LUGN50040MNENG2509	40	33	110	16	M16	30	8
LUGN50050MNENG2509	50	43	125	18	M16	35	8
LUGN50065MNENG2509	65	46	145	18	M16	40	8
LUGN50080MNENG2509	80	46	160	20	M16	40	16
LUGN50100MNENG2509	100	52	180	20	M16	45	16
LUGN50125MNENG2509	125	56	210	22	M16	50	16
LUGN50150MNENG2509	150	56	240	22	M20	50	16
LUGN50200MNENG2509	200	60	295	24	M20	50	24

Dimensions are in millimeters

Product Specification

DN 25-100 **DN 125-200**



N°	Name	Material
1	Body	Ductile Iron GJS-400-15 EN 1563
2	Bushing	Bronze-Brass
3	O-Ring	Nitrile DN 25-100: 1 pcs. DN 125-200: 2 pcs.
4	Upper shaft	DN 25-100: Stainless Steel AISI 420 DN 125-200: Stainless Steel 1.4542
5	Seat	Glued EPDM
6	Disc	Stainless Steel A 351 Gr. CF8M
7	Lower shaft	DN 125-200: Stainless Steel 1.4542
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel DIN 472 1 pcs.
10	Lower plug	DN 125-200: Stainless Steel AISI 420
11	Bushing	Stainless Steel-Bronze-PTFE
12	Spring lock washer	Stainless Steel AISI 304 DIN 127 DN 125-200: 2 pcs.
13	Screw	DN 125+: Stainless Steel AISI 304 DIN 912
14	Features tag	Polyester
15	Coating	Epoxy RAL 5015 - 120 µ

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Hand Lever – Replaceable – Pinless – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Super Duplex
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Hand Lever
- Coating: Epoxy
- USP: Maintenance/installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211
- Dimensions: Face-to-Face acc. to EN 558-1 *(series 20)*
  DIN 3202 T3 K1. ISO 5752 T5
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Metric
- Tests: Hydraulic acc.to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC
- Irrigation
- Shipbuilding

Description

FIVC Lugged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high-quality rotational disc, the valve features quick shut-off function.
Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pin-less construction leads to good corrosion resistance.
Furthermore, the valve can be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Ductile Iron
- Alu-Bronze
- Stainless Steel

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

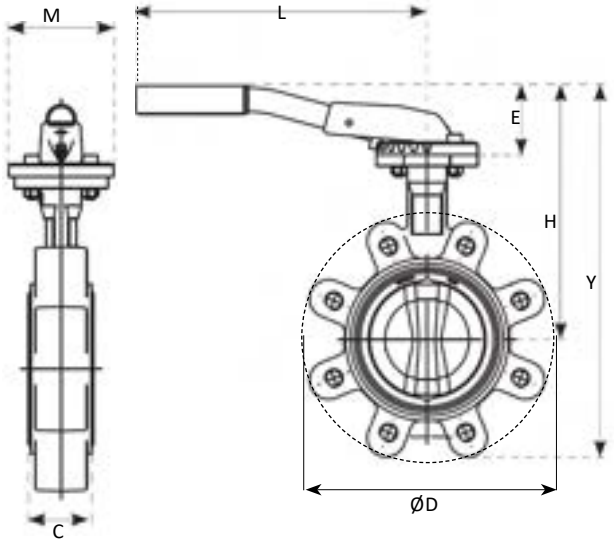
Operation
- 15° notch hand-lever
- Gearbox
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

Dimensions



Product Information

Product code	Size	C	ØD	E	H	Y	L	M	Kg
LUGN110025MNENR1603	25	33	130	49	151.5	202	220	90	2.3
LUGN110032MNENR1603	32	33	130	49	151.5	202	220	90	2.3
LUGN110040MNENR1603	40	33	140	49	159	213	220	90	2.5
LUGN110050MNENR1603	50	43	156	49	169	230	220	90	3.3
LUGN110065MNENR1603	65	46	175	49	184	252	220	90	3.7
LUGN110080MNENR1603	80	46	194	60	201	294	260	90	5.3
LUGN110100MNENR1603	100	52	224	60	225	330	260	90	6.8
LUGN110125MNENR1603	125	56	267	75	255	381	315	90	10.4
LUGN110150MNENR1603	150	56	292	75	268	405	315	90	11.2
LUGN110200MNENR1603	200	60	352	75	300	471	315	90	18.1

**Dimensions are in millimeters*

FIVC Butterfly Valve

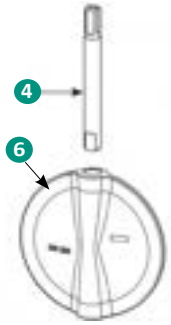
Ductile Iron – PN 16 – Lugged – Hand Lever – Replaceable – Pinless – EN 1092-2

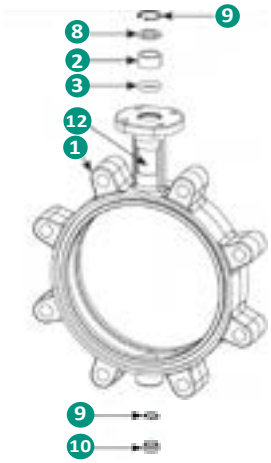
Product Specification

DN 50-100



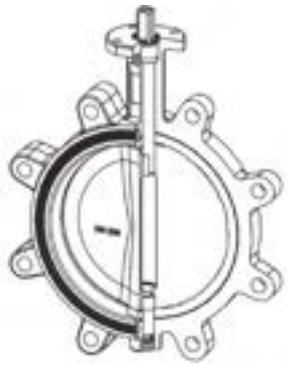
DN 125-200



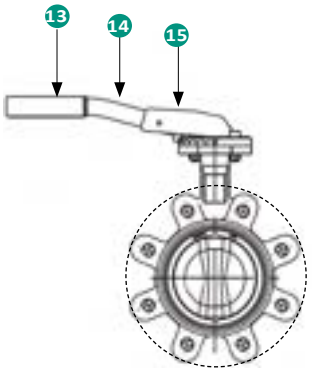




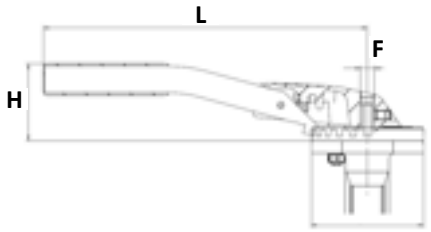
DN 50-200



N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 + Epoxy
2	Bushing	Acetal Delrin DN 40/200 Steel Bronze PTFE DN 250/500
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Super Duplex 1.4469
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger Ring Body	Zinc-plated Steel DIN 472 DN 50-200 Zinc-plated Steel DIN 472 DN 250-500
10	Lower plug	EPDM DN 125/200 EPDM DN 250/500
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester
13	Hand Lever cover	Vinyl
14	Hand Lever arm	Carbon Steel, Epoxy
15	Hand Lever head	Aluminum, Epoxy



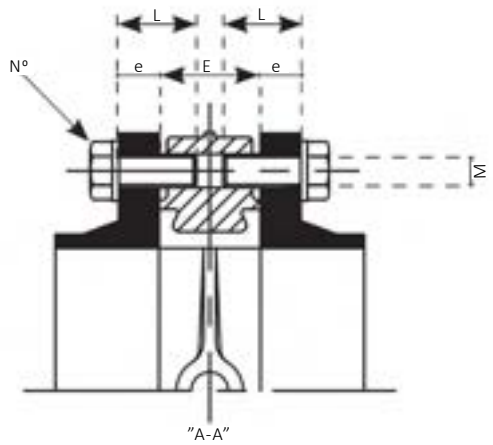
Dimensions



Product Information

Product code	F	L	H	KG
DN 32-65	11	220	49	0.40
DN 80-100	11	260	60	0.45
DN 125-150	14	315	75	0.55
DN 200	17	315	75	0.55

Product Dimensions





Product code	Size	E	K	e	M	L	N°
LUGN110025MNENR1603	25	33	85	16	M12	30	8
LUGN110032MNENR1603	32	33	100	16	M16	30	8
LUGN110040MNENR1603	40	33	110	16	M16	30	8
LUGN110050MNENR1603	50	43	125	18	M16	35	8
LUGN110065MNENR1603	65	46	145	18	M16	40	8
LUGN110080MNENR1603	80	46	160	20	M16	40	16
LUGN110100MNENR1603	100	52	180	20	M16	45	16
LUGN110125MNENR1603	125	56	210	22	M16	50	16
LUGN110150MNENR1603	150	56	240	22	M20	50	16
LUGN110200MNENR1603	200	60	295	24	M20	50	24

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Gearbox – Vulcanized – w/Pin – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile iron/ENP
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Vulcanized EPDM
- Operation: Gearbox in Ductile Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- USP: Dead-end/center service
- Standard: Standard acc. to BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 16; Shaft: SS AISI 431; Thread: Metric
- Tests: Inspection test acc. to BS EN 12266-1

Field of applications

- Temperature range: -15 to 120 °C
- Max. working pressure: 16 bar

- Petrochemical industry
- Irrigation systems
- Mining and infrastructure industries
- Shipyard industry
- Compressed air
- Textile industry
- Mechanical industry
- Steam applications
- Other various industries

Description

FIVC Lugged Butterfly Valve with vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions. The vulcanized seat ensures that the valve is both suitable for center service and end-of-line service. Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Bronze-Alu
- Stainless Steel

Construction
- Pinless

Seat
- Replaceable
- Other seats upon request

Operation
- 15° Notch hand lever
- Other operations upon request

Threading
- UNC
- Whitworth

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20
- PN 25

Size
- DN 40+

Product Information

Product code	Size *(DN)*	H*	H1*	H3*	L*	ØD2	N-M	a°-b°*	C*	F*	ØV-V*	Kg	OTV *(N.m)*	BTV *(N.m)*	Gearbox		
															OT N-M	Ratio	N° of turns
LUGN3NP0065MDVEPV1623	65	140	94	-	46	145	4-M16	45	65	154	135	10.8	17.2	86	200	24:1	6
LUGN3NP0080MDVEPV1623	80	145	105	-	46	160	8-M16	22.5	65	154	135	11.4	23.1	86	200	24:1	6
LUGN3NP0100MDVEPV1623	100	160	126	-	52	180	8-M16	22.5	65	154	135	15	39.8	169	200	24:1	6
LUGN3NP0125MDVEPV1623	125	170	140	-	56	210	8-M16	22.5	65	154	135	19.3	61.9	291	200	24:1	6
LUGN3NP0150MDVEPV1623	150	190	151	-	56	240	8-M20	22.5	65	154	135	19	102	291	200	24:1	6
LUGN3NP0200MDVEPV1623	200	220	183	-	60	295	12-M20	15	77	225	285	27.5	192	465	500	32:1	8
LUGN3NP0250MDVEPV1623	250	260	217	-	68	355	12-M24	15	77	225	285	45.5	323	993	500	32:1	8
LUGN3NP0300MDVEPV1623	300	290	252	-	78	410	12-M24	15	80	215	285	61.7	490	1360	1200	50:1	12.5
LUGN3NP0350MDVEPV1623	350	320	285	-	78	470	16-M24	11.25	80	215	285	67.5	625	1360	1200	50:1	12.5
LUGN3NP0400MDVEPV1623	400	356	315	271	102	525	16-M27	11.25	56	124	385	102	846	2356	2.5x103	560:1	140
LUGN3NP0450MDVEPV1623	450	387	384	271	114	585	20-M27	9	56	124	385	208	1431	4120	2.5x103	560:1	140
LUGN3NP0500MDVEPV1623	500	424	390	271	127	650	20-M30	9	121	256	285	200	1421	4120	2.5x103	560:1	140
LUGN3NP0600MDVEPV1623	600	524	455	330	154	770	20-M33	9	130	285	385	320	2301	6781	4x103	506:1	140
LUGN3NP0700MDVEPV1623	700	600	530	378	165	840	24-M33	7.5	149	337	425	431	4253	10961	8x103	704:1	176
LUG3NP50750MDVEPV1623	750	660	539	378	167	900	24-M36	7.5	149	337	425	476	4980	10961	8x103	704:1	176
LUG3NP50800MDVEPV1623	800	666	576	378	190	950	24-M36	7.5	149	337	425	568	5600	10961	8x103	704:1	176

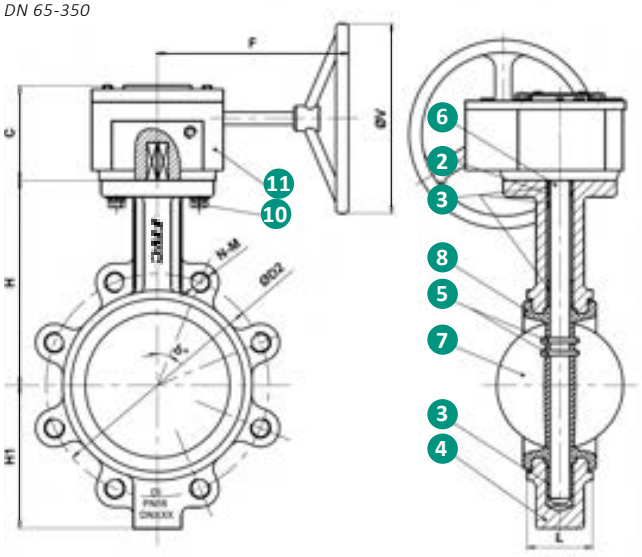
**Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value*

FIVC Butterfly Valve

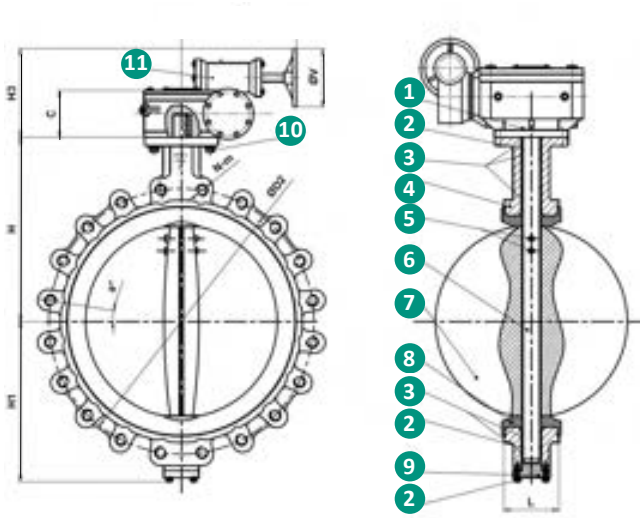
Ductile Iron – PN 16 – Lugged – Gearbox – Vulcanized – w/Pin – EN 1092-2

Dimensions

DN 65-350



DN 400-800



Product Specification

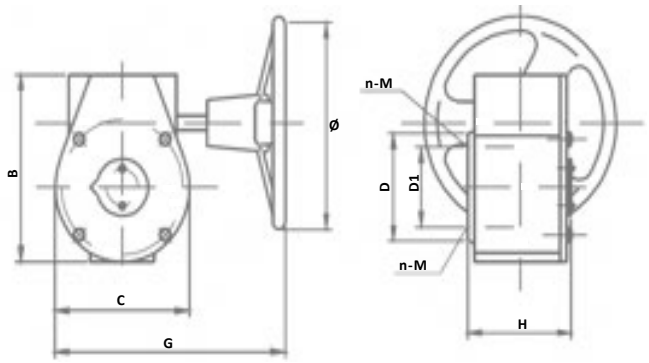
N°	Name	Material
1	Key Only for DN 600+	Carbon Steel
2	O-Ring	NBR
3	Bushing	Brass C836600 + C37700
4	Body	Ductile Iron
5	Pin	Stainless Steel SS 316 DN 40-100: 1 pcs. DN 125+: 2 pcs.
6	Stem	GGG40 DI + ENP (Electrical Nickel Plated)
7	Disc	Stainless Steel CF8M
8	Seat	Vulcanized EPDM
9	Cover	Ductile Iron
10	Bolts and accessories	Stainless Steel 316
11	Gearbox	Ductile Iron GGG 40

Gearbox Dimensions

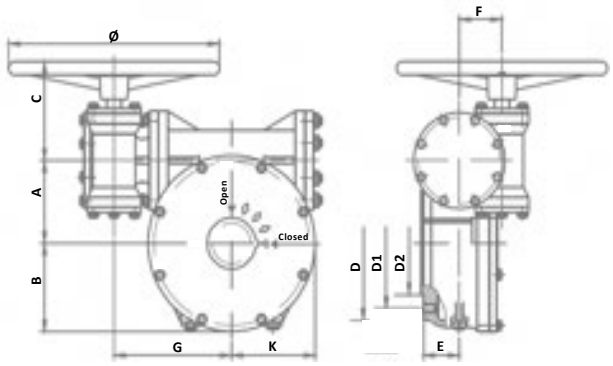
Valve size *(DN)*	A*	B*	C*	D*	D1*	D2*	E-H*	F*	G*	K*	Φ *	n-M
65-150	-	125	102	92	70	-	65	-	203	-	135	-
200-250	-	167	141	125	102	-	79	-	295	-	285	-
300-350	-	188	152	125	102	-	80	-	291	-	285	-
400-500	100	107	162	175	140	100	67	60	170	107	285	4-M16/ 4-M20
600	125	131	172	276	165	-	65	66	192	131	385	4-M20
700-800	140	146	200	300	254	200	72	88	224	146	425	8-M16

**Dimensions are in millimeters*

DN 65-350



DN 400-800



FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Gearbox – Vulcanized – w/Pin – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Vulcanized EPDM
- Operation: Gearbox in Ductile Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- USP: Dead-end/center service
- Standard: Standard acc. to BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 16; Shaft: SS AISI 431; Thread: Metric
- Testing: BS EN 12266-1
- Shell pressure: 2.40 MPa; Sealing pressure: 1.76 MPa

Field of applications

- Temperature range: -20 to 120 °C
- Max. working pressure: 16 bar

- Petrochemical industry
- Irrigation systems
- Compressed air
- Textile industry
- Mechanical industry

Description

FIVC Lugged Butterfly Valve with vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high-quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions. The vulcanized seat ensures that the valve is both suitable for center service and end-of-line service. Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu-Bronze
- Ductile Iron

Construction
- Pinless

Seat
- Replaceable
- Other seats upon request

Operation
- 15° Notch hand lever
- Other operations upon request

Threading
- UNC
- Whitworth

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20
- PN 25

Size
- DN 40+

Product Information

Product code	Size	H	H1	H3	L	ØD2	N-M	a°-b°	C	F	ØV	Kg	OTV *(N.m)*	BTV *(N.m)*	Gearbox		
															OT N-M	Ratio	N° of turns
LUGN50065MDVEPV1623	65	140	94	-	46	145	4-M16	45.0	65	154	135	9.0	17.2	86	200	24:1	6.0
LUGN50080MDVEPV1623	80	145	105	-	46	160	8-M16	22.5	65	154	135	9.5	23.1	86	200	24:1	6.0
LUGN50100MDVEPV1623	100	160	126	-	52	180	8-M16	22.5	65	154	135	12.0	39.8	169	200	24:1	6.0
LUGN50125MDVEPV1623	125	170	140	-	56	210	8-M16	22.5	65	154	135	17.0	61.9	291	200	24:1	6.0
LUGN50150MDVEPV1623	150	190	151	-	56	240	8-M20	22.5	65	154	135	18.0	102	291	200	24:1	6.0
LUGN50200MDVEPV1623	200	220	183	-	60	295	12-M20	15.0	77	225	285	27.5	192	465	500	30:1	7.5
LUGN50250MDVEPV1623	250	260	217	-	68	355	12-M24	15.0	77	225	285	40.0	323	993	500	30:1	7.5
LUGN50300MDVEPV1623	300	290	252	-	78	410	12-M24	15.0	80	215	285	59.0	490	1360	1200	50:1	12.5
LUGN50350MDVEPV1623	350	320	285	-	78	470	16-M24	11.25	80	215	285	67.5	625	1360	1200	50:1	12.5
LUGN50400MDVEPV1623	400	356	315	271	102	525	16-M27	11.25	56	124	385	99	846	2356	1800	80:1	20
LUGN50450MDVEPV1623	450	387	384	271	114	585	20-M27	9.0	56	124	385	152	1170	4120	1800	80:1	20
LUGN50500MDVEPV1623	500	424	390	271	127	650	20-M30	9.0	121	256	285	191	1421	4120	2500	560:1	140
LUGN50600MDVEPV1623	600	524	455	330	154	770	20-M33	9.0	130	285	385	298	2301	6781	4000	640:1	160
LUGN50700MDVEPV1623	700	600	530	378	165	840	24-M33	7.5	149	337	425	431	4253	10961	8000	704:1	176
LUGN50750MDVEPV1623	750	660	539	378	167	900	24-M36	7.5	149	337	425	476	4980	10961	8000	704:1	176
LUGN50800MDVEPV1623	800	666	576	378	190	950	24-M36	7.5	149	337	425	568	5600	10961	8000	704:1	176

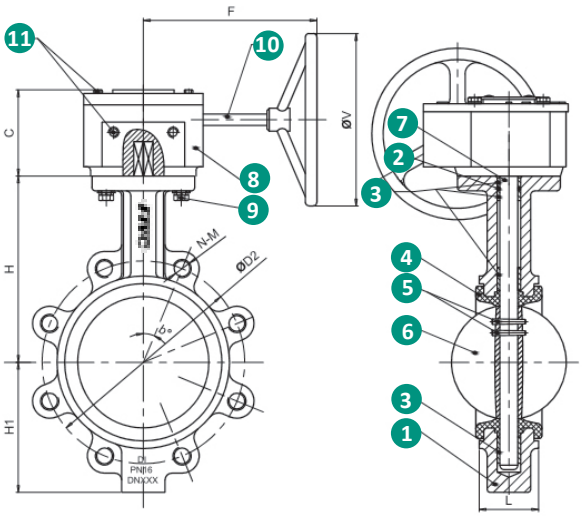
Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value

FIVC Butterfly Valve

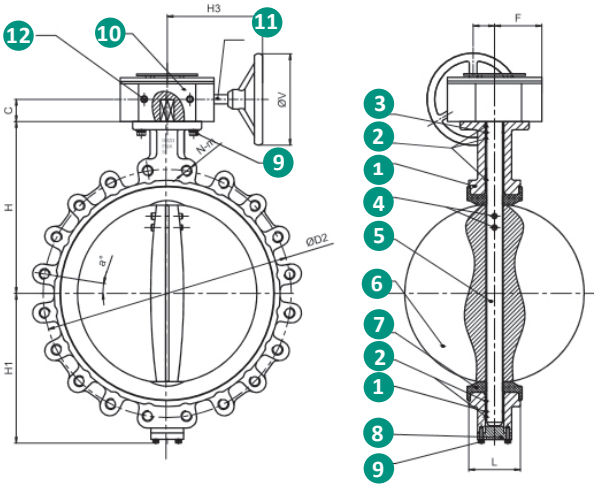
Ductile Iron – PN 16 – Lugged – Gearbox – Vulcanized – w/Pin – EN 1092-2

Dimensions

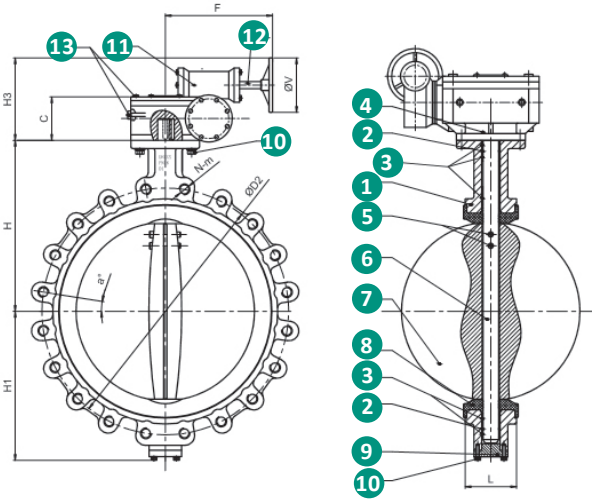
DN 65-350



DN 400-450



DN 500-800



Product Specification

N°	Name	Material
1	Body	Ductile Iron GGG40
2	O-Ring	NBR
3	Bushing	Brass
4	Seat	Vulcanized EPDM
5	Pin	Stainless Steel SS 316
6	Disc	Stainless Steel CF8M
7	Stem	Stainless Steel 431
8	Gearbox	Ductile Iron GGG40
9	Bolt	Stainless Steel 316
10	Input Shaft	Stainless Steel 304
11	Bolt	Stainless Steel 304

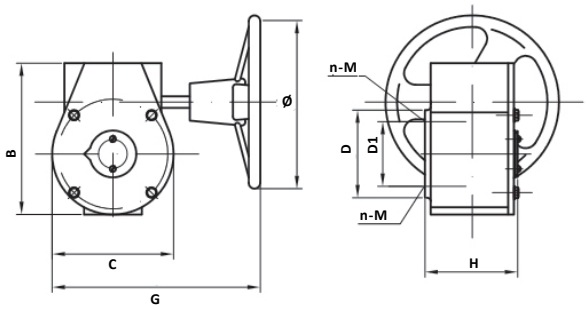
N°	Name	Material
1	Body	Ductile Iron GGG40
2	Bushing	Brass
3	O-Ring	NBR
4	Pin	Stainless Steel 316
5	Stem	Stainless Steel 431
6	Disc	Stainless Steel CF8M
7	Seat	Vulcanized EPDM
8	Cover	Ductile Iron GGG40
9	Bolt and accessories	Stainless Steel 316
10	Gearbox	Ductile Iron GGG40
11	Input Shaft	Stainless Steel 304
12	Bolts	Stainless Steel 304

N°	Name	Material
1	Body	Ductile Iron GGG40
2	O-Ring	NBR
3	Bushing	Brass
4	Key	Carbon Steel
5	Pin	Stainless Steel 316
6	Stem	Stainless Steel 431
7	Disc	Stainless Steel CF8M
8	Seat	Vulcanized EPDM
9	Cover	Ductile Iron GGG40
10	Bolt and accessories	Stainless Steel 316
11	Gearbox	Ductile Iron GGG40
12	Input Shaft	Stainless Steel 304
13	Bolts	Stainless Steel 304

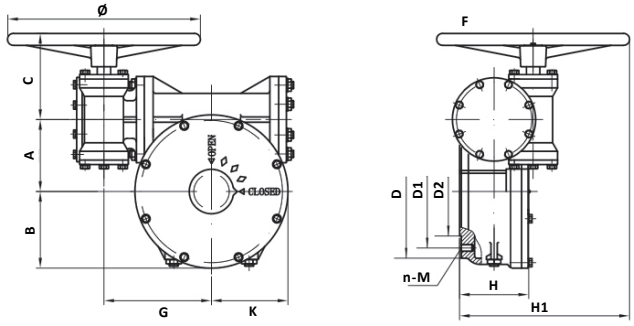
FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Gearbox – Vulcanized – w/Pin – EN 1092-2

DN 65-450



DN 500-800



Gearbox Dimensions

Valve size	A	B	C	D	D1	D2	H	H1	G	K	Ø	n-M
65-150	-	125	102	90	70	-	65		203	-	135	-
200-250	-	167	141	125	102	-	79		295	-	285	-
300-350	-	188	152	175	140	-	80		291	-	285	-
400-450	-	279	247	210	165		109		336		390	
500	100	107	156	210	165	130	125	271	168	107	285	4-M20
600	125	131	160	210	165	130	136	330	193	131	385	4-M20
700-800	140	146	197	300	254	200	149	378	230	146	425	8-M16

Dimensions are in millimeters

FIVC Butterfly Valve

Ductile Iron – PN 25 – Lugged – Gearbox – Vulcanized – w/Pin – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Vulcanized EPDM
- Operation: Gearbox in Ductile Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- USP: Dead-end/center service
- Standard: BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 25; Shaft: SS AISI 431/630; Thread: Metric
- Tests: Inspection test acc. to BS EN 12266-1

Field of applications

- Max. temperature: -15 to 120 °C
- Max. working pressure: 25 bar

- Hot and cold water systems
- Petrochemical industry
- Irrigation systems
- Mining and infrastructure industries
- Shipyard industry
- Compressed air
- Mechanical industry
- Steam applications
- Other various industries

Description

FIVC Lugged Butterfly Valve with its vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function. Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions.

The vulcanized seat ensures that the valve is both suitable for center service and end-of-line service. Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu Bronze
- Ductile Iron

Construction
- Pinless

Seat
- Replaceable
- Other seats upon request

Operation
- 15° Notch hand lever
- Other operations upon request

Threading
- UNC
- Whitworth

Drilling
- PN 16
- PN 25
- ANSI 150

PN
- PN 16
- PN 20

Size
- DN 40+

Product Information

Product code	Size *(DN)*	H*	H1*	H3*	L*	ØD2*	N-M	a°-b°*	C*	F*	ØV-V*	Kg	OTV *(N.m)*	BTV *(N.m)*	Gearbox		
															OT N-M	Ratio	N° of turns
LUGN50065MDVEPV2529	65	140	94	-	46	145	8-M16	22.5	65	154	135	11	26	86	200	24:1	6
LUGN50080MDVEPV2529	80	145	105	-	46	160	8-M16	22.5	65	154	135	11.6	35	86	200	24:1	6
LUGN50100MDVEPV2529	100	160	126	-	52	190	8-M20	22.5	65	154	135	15.3	60	169	200	24:1	6
LUGN50125MDVEPV2529	125	170	140	-	56	220	8-M24	22.5	65	154	135	19.8	93	291	200	24:1	6
LUGN50150MDVEPV2529	150	190	151	-	56	250	8-M24	22.5	65	154	135	20.5	153	291	200	24:1	6
LUGN50200MDVEPV2529	200	220	183	-	60	310	12-M24	15	77	225	285	33.1	288	992	500	32:1	8
LUGN50250MDVEPV2529	250	260	217	-	68	370	12-M27	15	77	225	285	56.5	485	1360	500	32:1	8
LUGN50300MDVEPV2529	300	290	252	-	78	430	16-M27	11.25	80	215	285	77.2	735	1563	1200	50:1	12.5
LUGN50350MDVEPV2529	350	320	285	-	78	490	16-M30	11.25	80	215	285	96.2	938	2356	1200	50:1	12.5
LUGN50400MDVEPV2530	400	356	325	271	102	550	16-M33	11.25	121	256	285	142.1	1269	3928	2.5x103	560:1	140
LUGN50450MDVEPV2530	450	387	384	271	114	600	20-M33	9	121	256	285	218.6	1697	5072	2.5x103	560:1	140
LUGN50500MDVEPV2530	500	424	392	271	127	600	20-M33	9	121	256	285	290.6	2147	6788	2.5x103	560:1	140
LUGN50600MDVEPV2530	600	524	455	330	154	770	20-M36	9	130	285	385	458.6	3452	10780	4x103	506:1	140
LUGN50700MDVEPV2530	700	600	530	378	165	875	24-M39	7.5	149	377	425	593.5	6380	14788	8x103	704:1	176
LUGN50750MDVEPV2530	750	660	539	378	167	-	-	-	149	377	425	661	7390	18188	8x103	704:1	176
LUGN50800MDVEPV2530	800	666	576	378	190	990	24-M45	7.5	149	377	425	799	8400	18188	8x103	704:1	176

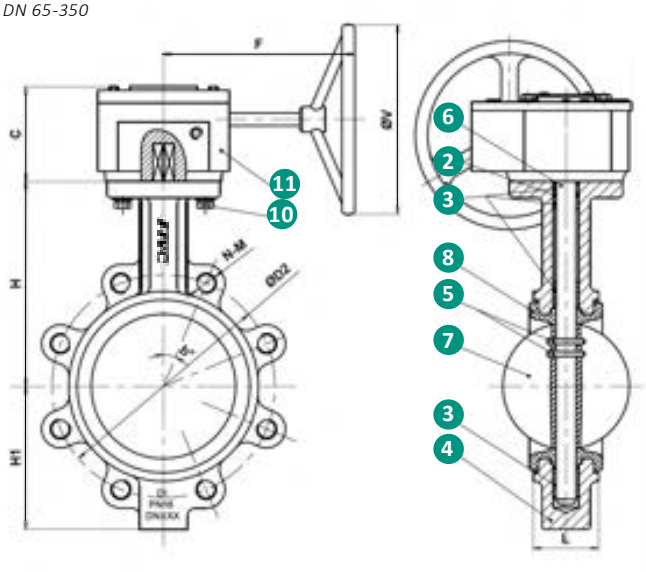
**Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value*

FIVC Butterfly Valve

Ductile Iron – PN 25 – Lugged – Gearbox – Vulcanized – w/Pin – EN 1092-2

Dimensions

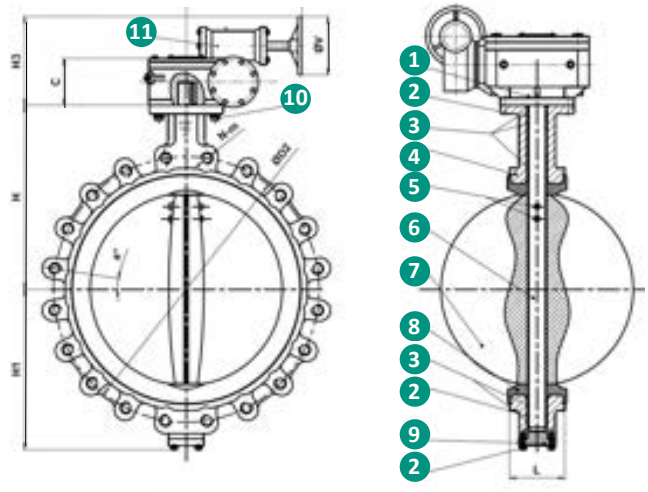
DN 65-350



Product Specification

N°	Name	Material
1	Key *Only for DN 600+*	Carbon Steel
2	O-Ring	NBR
3	Bushing	Brass C836600 + C37700
4	Body	Ductile Iron GGG 40
5	Pin	Stainless Steel SS 316 DN 65-100: 1 pcs. DN 125+: 2 pcs.
6	Stem	DN 40-350: Stainless Steel 431 DN 400-800: Stainless Steel 630
7	Disc	Stainless Steel CF8M
8	Seat	Vulcanized EPDM
9	Cover	Ductile Iron GGG 40
10	Bolts and Accessories	Stainless Steel 316
11	Gearbox	Ductile Iron

DN 400-800

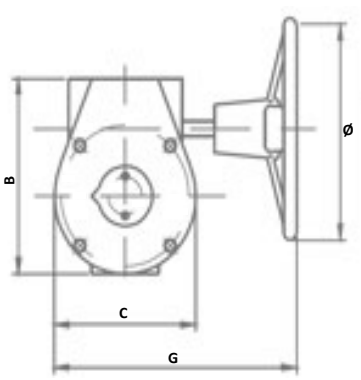


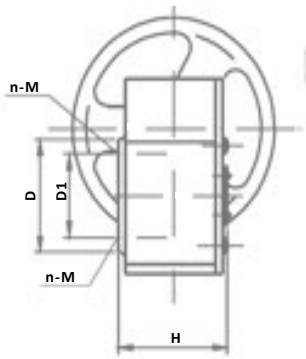
Gearbox Dimensions

Valve size *(DN)*	A*	B*	C*	D*	D1*	D2*	E-H*	F*	G*	K*	Φ*	n-M
65-150	-	125	102	92	70	-	65		203		135	-
200-250	-	167	141	125	102	-	79		295		285	-
300-350	-	188	152	125	102	-	80		291		285	-
400-500	100	107	162	175	140	100	67	60	170	107	285	4-M16/ 4-M20
600	125	131	172	276	165	-	65	66	192	131	385	4-M20
700-800	140	146	200	300	254	200	72	88	224	146	425	8-M16

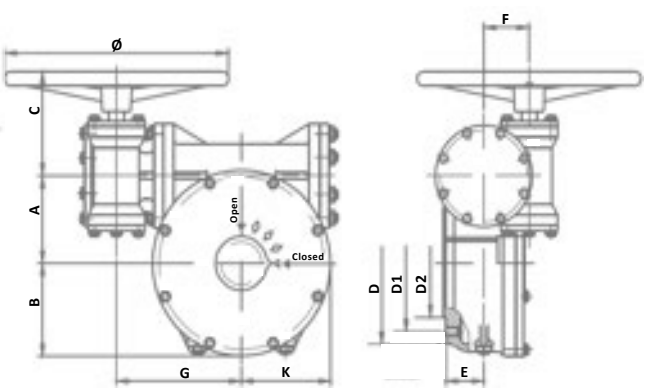
**Dimensions are in millimeters*

DN 65-350





DN 400-800



FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Gearbox – Replaceable – Pinless – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Gearbox in Ductile Iron
- Coating: Epoxy
- USP: Maintenance/installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211
- Dimensions: Face-to-Face acc. to EN 558-1 *(series 20)*
  DIN 3202 T3 K1. ISO 5752 T5
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Metric
- Tests: Hydraulic acc.to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC
- Irrigation
- Shipbuilding

Description

FIVC Lugged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can by its high quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu Bronze
- Ductile Iron

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

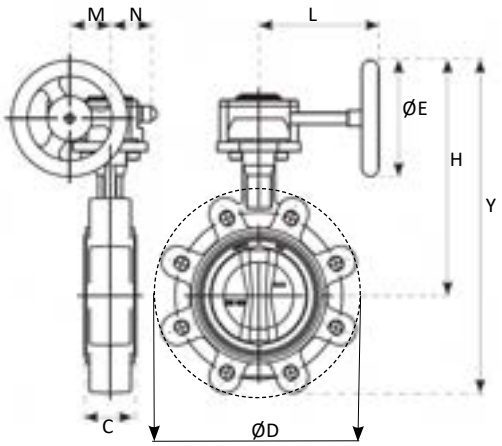
Operation
- 15° notch hand-lever
- Gearbox
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

Dimensions



Product code	Size	ØD	C	ØE	H	Y	L	M	N	Kg
LUGN50050MDVENR1603	50	156	43	125	208	267	129	43.5	50.5	4.2
LUGN50065MDVENR1603	65	175	46	125	223	289	129	43.5	50.5	4.6
LUGN50080MDVENR1603	80	194	46	125	229	320	129	43.5	50.5	6.0
LUGN50100MDVENR1603	100	224	52	125	253	358	129	43.5	50.5	7.6
LUGN50125MDVENR1603	125	267	56	160	286	410	135	43.5	50.5	11.3
LUGN50150MDVENR1603	150	292	56	160	298	435	135	43.5	50.5	12.0
LUGN50200MDVENR1603	200	352	60	200	255	526	152	52.5	59	20.1
LUGN50250MDVENR1603	250	408	68	250	442	652	222	61.2	70.5	29.8
LUGN50300MDVENR1603	300	480	78	250	468	708	222	61.2	70.5	43.1
LUGN50350MDVENR1603	350	522	78	250	498	762	222	61.2	70.5	59.5
LUGN50400MDVENR1603	400	595	102	300	572	880	277	68.8	72.5	84
LUGN50450MDVENR1603	450	633	114	400	630	970	321	96.5	91.5	122
LUGN50500MDVENR1603	500	717	127	400	682	1062	321	96.5	91.5	177
LUGN50600MDVENR1603	600	833	154	500	798	1239	408	138	140	255
LUGN50700MDVENR1603	700	904	165	600	914	1400	456	138	140	333
LUGN50750MDVENR1603	750	964	190	600	944	1474	456	138	140	415
LUGN50800MDVENR1603	800	1020	190	700	1044	1608	510	180	156	487
LUGN50900MDVENR1603	900	1120	203	700	1108	1718	510	180	156	601
LUGN51000MDVENR1603	1000	1246	216	700	1184	1858	579	180	156	758

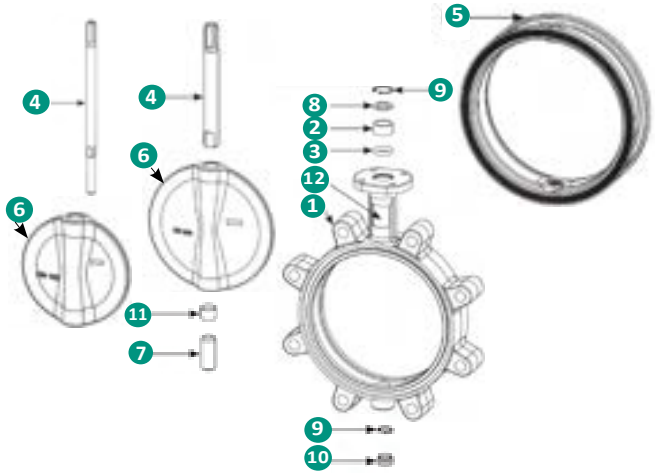
Dimensions are in millimeters

FIVC Butterfly Valve

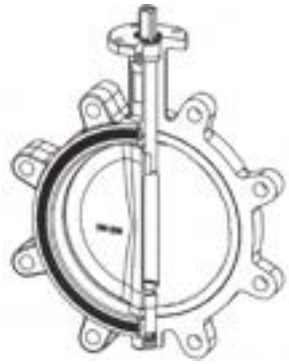
Ductile Iron – PN 16 – Lugged – Gearbox – Replaceable – Pinless – EN 1092-2

Product Specification

DN 50-100 *DN 125-200*

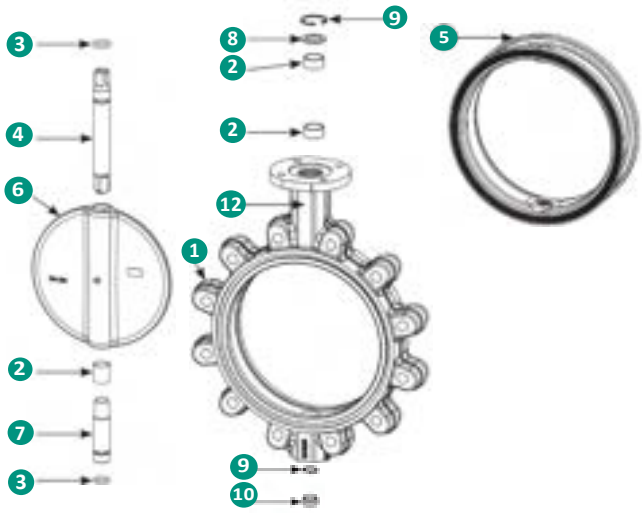


DN 50-200

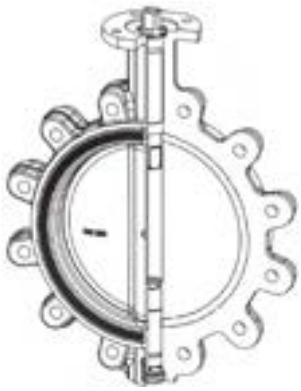


N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 + Epoxy
2	Bushing	Acetal Delrin DN 40/200 Steel Bronze PTFE DN 250/500
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Stainless Steel CF8M
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger Ring Body	Zinc-plated Steel DIN 472 DN 50-200 Zinc-plated Steel DIN 472 DN 250-500
10	Lower plug	EPDM DN 125/200 EPDM DN 250/500
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester

DN 250-500



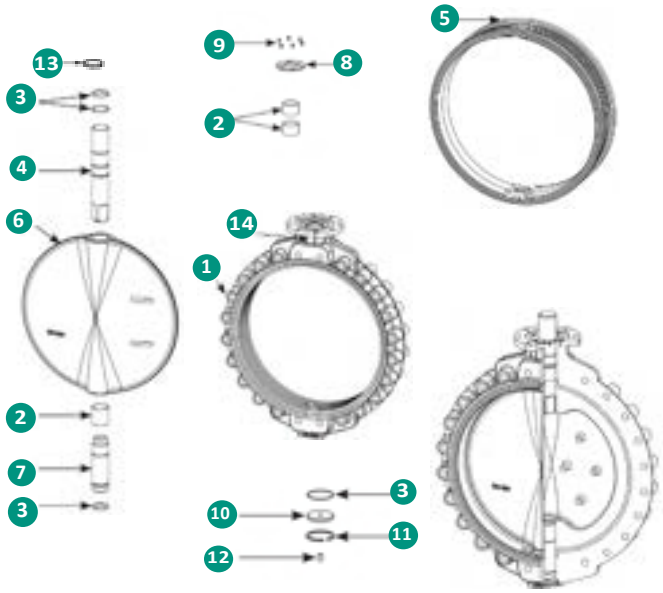
DN 400



FIVC Butterfly Valve

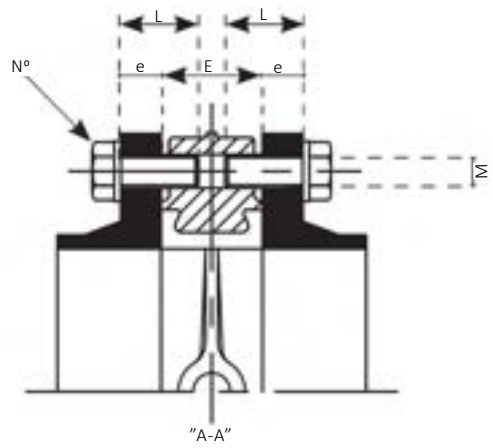
Ductile Iron – PN 16 – Lugged – Gearbox – Replaceable – Pinless – EN 1092-2

DN 600/1000



N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 + Epoxy
2	Bushing	Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Stainless Steel CF8M
7	Lower shaft	Stainless Steel AISI 420
8	Upper Cover	Carbon Steel, Coating Epoxy
9	Bolt upper cover	Zinc-plated Steel DIN 7991
10	Lower Cover	Carbon Steel Coating Epoxy
11	Seeger Ring Body	Zinc-plated Steel DIN 472
12	Screw	Zinc-plated Steel DIN 913 DN 750/1000
13	Retaining Ring Shaft	Zinc-plated Steel DIN 471 DN 600/800
14	Features Tag	Polyester

Product Dimensions





Product code	Size	E	K	e	M	L	N°
LUGN50050MDVENR1603	50	43	125	18	M16	35	8
LUGN50065MDVENR1603	65	46	145	18	M16	40	8
LUGN50080MDVENR1603	80	46	160	20	M16	40	16
LUGN50100MDVENR1603	100	52	180	20	M16	45	16
LUGN50125MDVENR1603	125	56	210	22	M16	50	16
LUGN50150MDVENR1603	150	56	240	22	M20	50	16
LUGN50200MDVENR1603	200	60	295	24	M20	50	24
LUGN50250MDVENR1603	250	68	355	26	M24	60	24
LUGN50300MDVENR1603	300	78	410	28	M24	65	24
LUGN50350MDVENR1603	350	78	470	30	M24	65	32
LUGN50400MDVENR1603	400	102	525	32	M27	65	32
LUGN50450MDVENR1603	450	114	585	32	M27	80/60	32/8
LUGN50500MDVENR1603	500	127	650	34	M30	65	40
LUGN50600MDVENR1603	600	154	770	36	M33	110	40
LUGN50700MDVENR1603	700	165	840	36	M33	120/85	40/8
LUGN50750MDVENR1603	750	190	900	38	M33	130/100	40/8
LUGN50800MDVENR1603	800	190	950	38	M36	130/110	40/8
LUGN50900MDVENR1603	900	203	1050	40	M36	140/100	48/8
LUGN51000MDVENR1603	1000	216	1170	42	M39	150/100	48/8

FIVC Butterfly Valve

Ductile Iron – PN 25 – Lugged – Gearbox – Glued – Pinless – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Stem: Stainless Steel
- Seat: Glued EPDM
- Operation: Gearbox in Ductile Iron
- Coating: Epoxy RAL 5015 *(120 µ)*
- Dimensions: Face-to-Face acc. to EN 558-1 *(series 20)*
- Design: EN 593
- Type: Drilling: PN 25; Shaft: SS AISI 420/1.4542; Thread: Metric
- Hydrostatic test: EN 12266-1
  Resistance: Open valve: 37.5 Kg/cm^3; Closed valve: 27.5 kg/cm^3

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 25 bar

- HVAC
- Water distribution
- Fire fighting
- Shipbuilding
- Neutral fluids
- Gas distribution

Description

FIVC Lugged Butterfly Valve with its glued seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Since the valve is pinless, the disc is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can easily be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu Bronze
- Ductile Iron

Construction
- w/Pin

Seat
- Vulcanized
- Replaceable

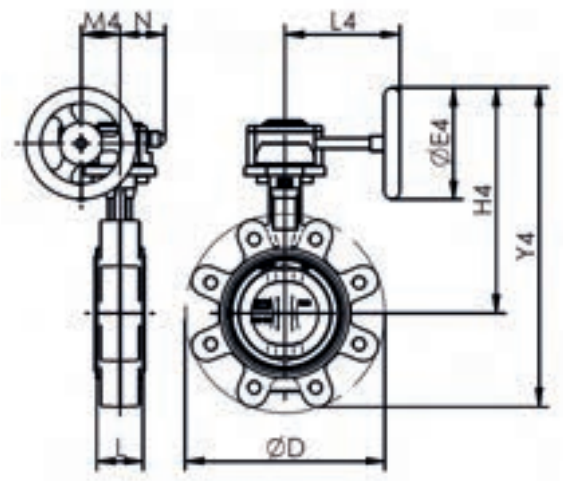
Operation
- Handlever
- Actuator
- Other operations upon request

Drilling
- PN 16
- PN 20
- ANSI 150

PN
- PN 16 (w/pin)
- PN 20 (w/pin)

Size
- DN 40+

Dimensions



Product code	Size	D	L	E4	H4	Y4	L4	M4	Kg
LUGN50025MDVENG2509	25	130	33	125	190	241	129	43.5	3.1
LUGN50032MDVENG2509	32	130	33	125	190	241	129	43.5	3.1
LUGN50040MDVENG2509	40	140	33	125	198	252	129	43.5	3.3
LUGN50050MDVENG2509	50	156	43	125	208	267	129	43.5	4.2
LUGN50065MDVENG2509	65	175	46	125	223	289	129	43.5	4.6
LUGN50080MDVENG2509	80	194	46	125	229	320	129	43.5	6.0
LUGN50100MDVENG2509	100	224	52	125	253	358	129	43.5	7.6
LUGN50125MDVENG2509	125	267	56	160	286	410	135	43.5	11.3
LUGN50150MDVENG2509	150	292	56	160	298	435	135	43.5	12.0
LUGN50200MDVENG2509	200	352	60	200	355	526	152	52.5	20.1
LUGN110250MDVENG2509	250	408	68	250	442	652	222	61.2	29.8
LUGN110300MDVENG2509	300	480	78	250	468	708	222	61.2	43.1

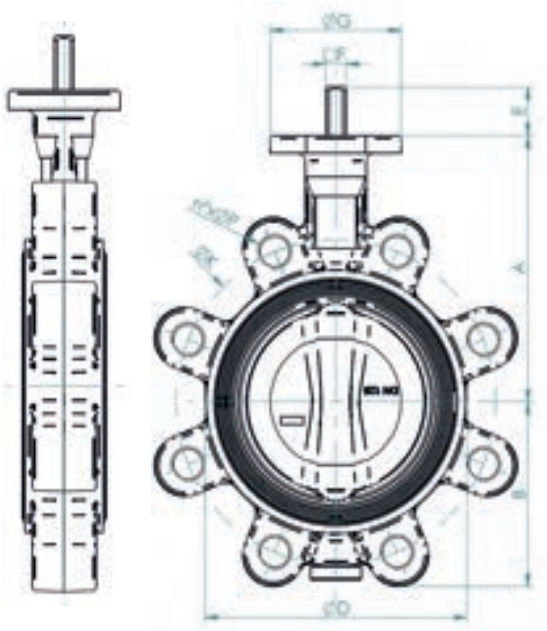
Dimensions are in millimeters

FIVC Butterfly Valve

Ductile Iron – PN 25 – Lugged – Gearbox – Glued – Pinless – EN 1092-2

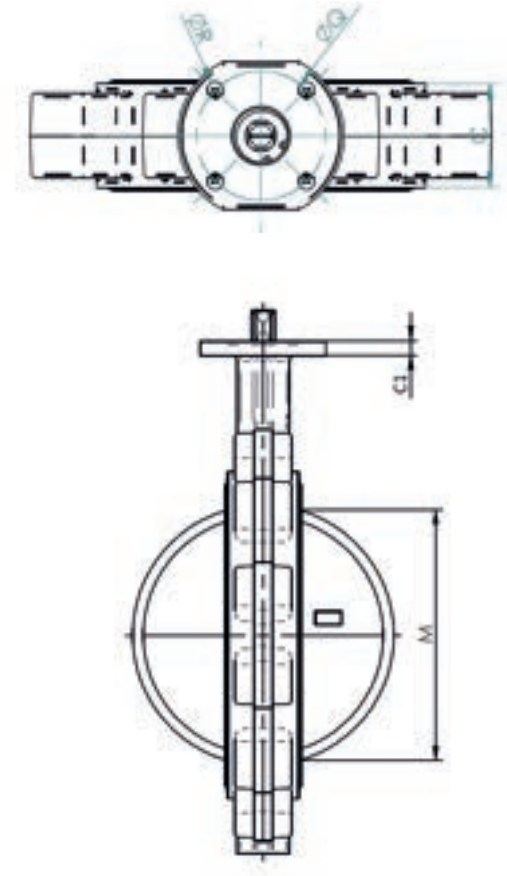
Dimensions of the bare shaft

DN 25-200



Product code	Size	A	B	C	ØD	E	F	ØG	ØK
LUGN50025MDVENG2509	25	102.5.	50	33	68	30	11	90	85
LUGN50032MDVENG2509	32	102.5	50	33	68	30	11	90	100
LUGN50040MDVENG2509	40	110	54	33	76	30	11	90	110
LUGN50050MDVENG2509	50	120	59	43	100	30	11	90	125
LUGN50065MDVENG2509	65	135	66	46	108	30	11	90	145
LUGN50080MDVENG2509	80	141	91	46	124	30	11	90	160
LUGN50100MDVENG2509	100	165	105	52	147	30	11	90	190
LUGN50125MDVENG2509	125	180	125	56	180	33	14	90	220
LUGN50150MDVENG2509	150	193	136	56	206	33	14	90	250
LUGN50200MDVENG2509	200	225	171	60	257	33	17	90	310
LUGN110250MDVENG2509	250	282.5	210	68	324	30	22	130	370
LUGN110300MDVENG2509	300	308	240	78	376	30	22	130	430

Dimensions are in millimeters

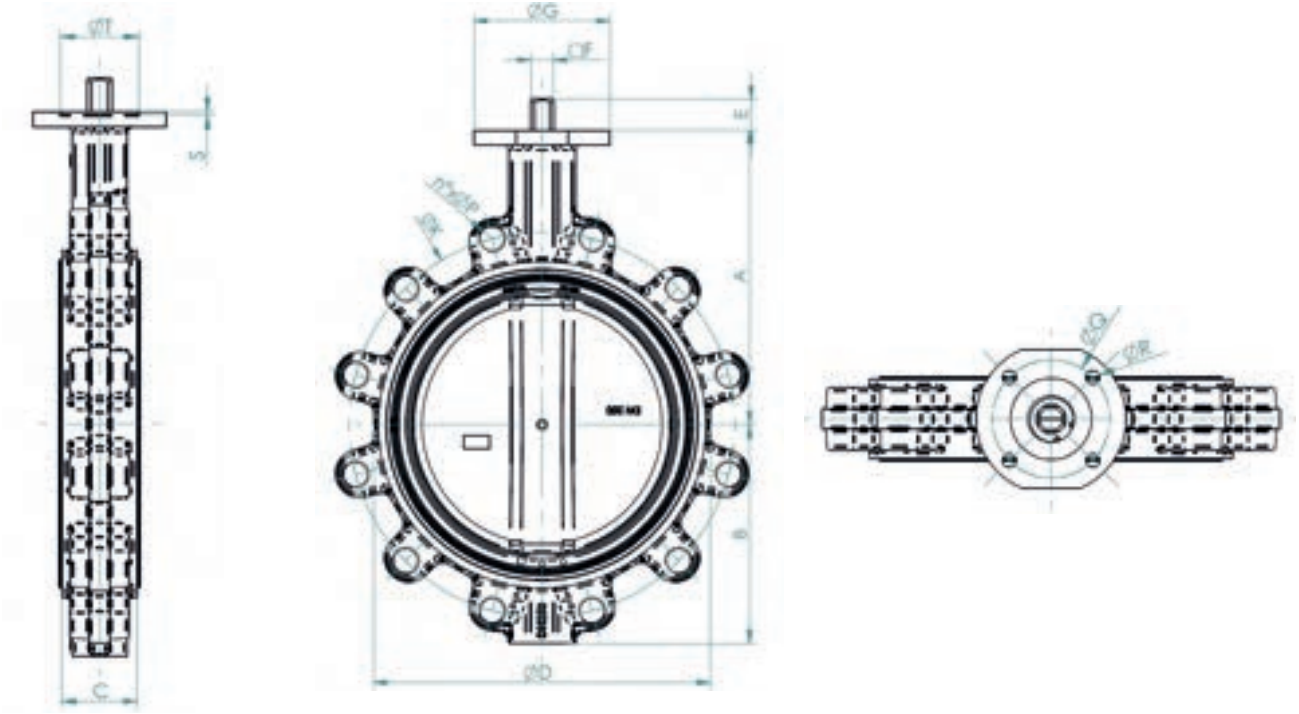


Product code	Size	N°ØP	ISO	ØQ	ØR	S	T	C1	M
LUGN50025MDVENG2509	25	4xM12	F-07	70	4x9	-	-	8	14
LUGN50032MDVENG2509	32	4xM16	F-07	70	4x9	-	-	8	14
LUGN50040MDVENG2509	40	4xM16	F-07	70	4x9	-	-	10	26
LUGN50050MDVENG2509	50	4xM16	F-07	70	4x9	-	-	10	29
LUGN50065MDVENG2509	65	4xM16	F-07	70	4x9	-	-	10	46
LUGN50080MDVENG2509	80	4xM16	F-07	70	4x9	-	-	10	65
LUGN50100MDVENG2509	100	8xM20	F-07	70	4x9	-	-	10	90
LUGN50125MDVENG2509	125	8xM24	F-07	70	4x9	-	-	12	112
LUGN50150MDVENG2509	150	8xM24	F-07	70	4x9	-	-	12	139
LUGN50200MDVENG2509	200	12xM24	F-07	70	4x9	-	-	12	191
LUGN110250MDVENG2509	250	12xM27	F-10	102	4x12	3	70	14	241
LUGN110300MDVENG2509	300	16xM27	F-10	102	4x12	3	70	14	290

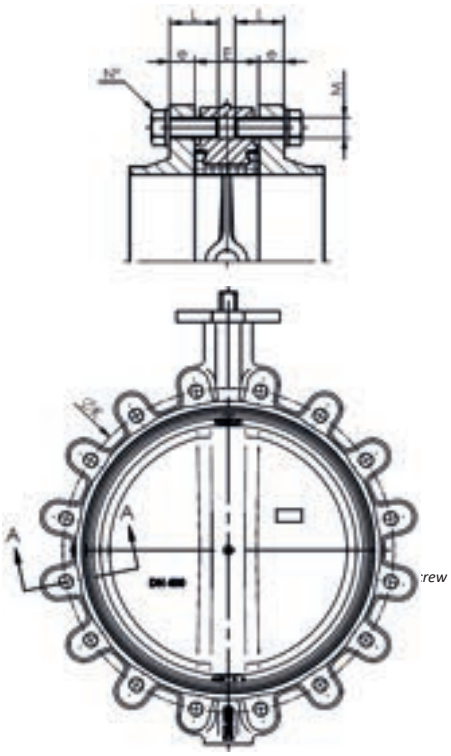
Dimensions are in millimeters

Dimensions of the bare shaft

DN 250-300



Screw assembly

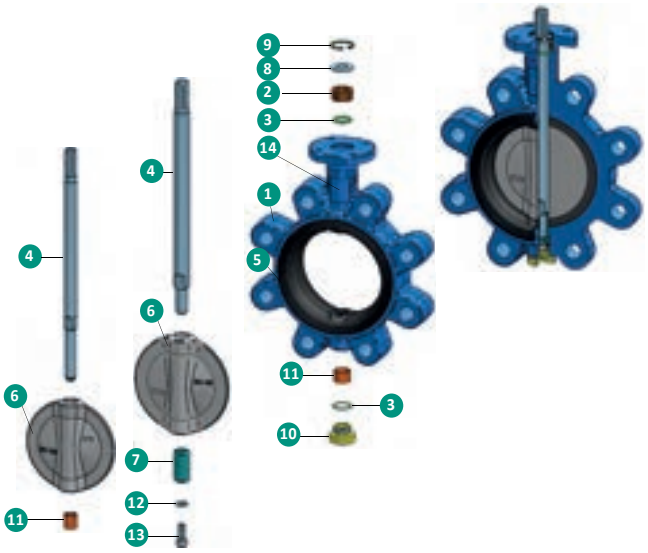


Product code	Size	E	K	e	M	L	N°
LUGN50025MDVENR2509	25	33	85	16	M12	30	8
LUGN50032MDVENR2509	32	33	100	16	M16	30	8
LUGN50040MDVENR2509	40	33	110	16	M16	30	8
LUGN50050MDVENR2509	50	43	125	18	M16	35	8
LUGN50065MDVENR2509	65	46	145	18	M16	40	8
LUGN50080MDVENR2509	80	46	160	20	M16	40	16
LUGN50100MDVENR2509	100	52	180	20	M16	45	16
LUGN50125MDVENR2509	125	56	210	22	M16	50	16
LUGN50150MDVENR2509	150	56	240	22	M20	50	16
LUGN50200MDVENR2509	200	60	295	24	M20	50	24
LUGN110250MDVENR2509	250	68	355	26	M24	60	24
LUGN110300MDVENR2509	300	78	410	28	M24	65	24

Dimensions are in millimeters

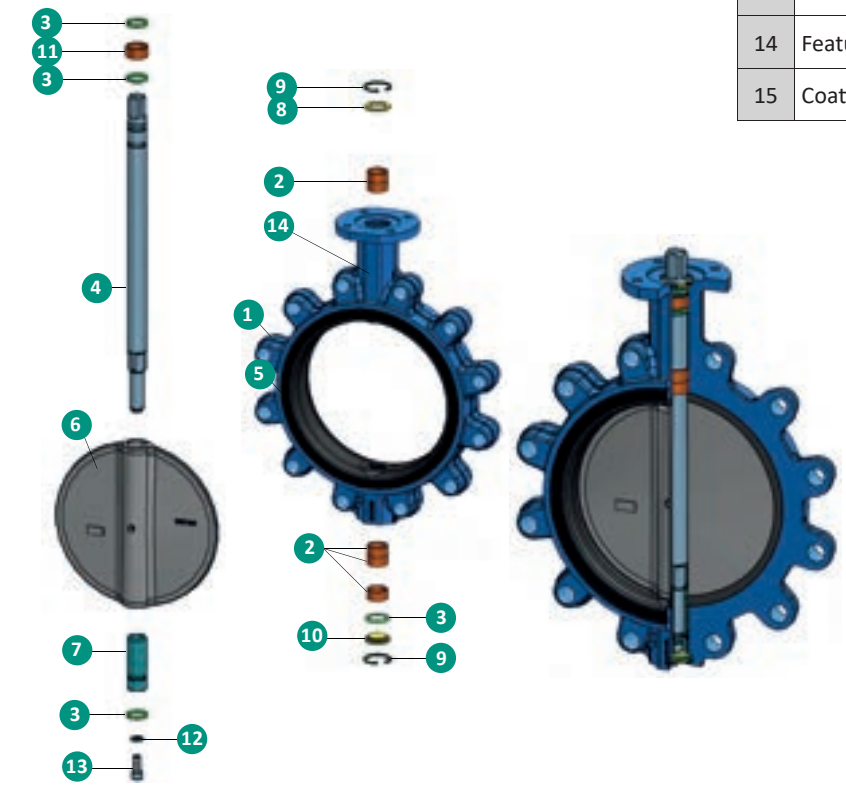
Product Specification

DN 25-100 **DN 125-200**



N°	Name	Material
1	Body	Ductile Iron GJS-400-15 EN 1563
2	Bushing	DN 40-200: Bronze-Brass DN 250-300: Steel-Bz-PTFE 6 Pcs.
3	O-Ring	Nitrile DN 25-100: 1 pcs. DN 125-200: 2 pcs. DN 250-300: 4 pcs.
4	Upper shaft	DN 25-100: Stainless Steel AISI 420 DN 125-300: Stainless Steel 1.4542
5	Seat	Glued EPDM
6	Disc	DN 25-200: Stainless Steel A 351 Gr. CF8M DN 250-300: SUPER DUPLEX 1.4469
7	Lower shaft	DN 125-300: Stainless Steel 1.4542
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel DIN 472 DN 25-200: 1 pcs. DN 250-300: 2 pcs.
10	Lower plug	DN 125-300: Stainless Steel AISI 420
11	Bushing	Stainless Steel-Bronze-PTFE
12	Spring lock washer	Stainless Steel AISI 304 DIN 127 DN 125-200: 2 pcs. DN 250-300: 1 pcs.
13	Screw	DN 125-300: Stainless Steel AISI 304 DIN 912
14	Features tag	Polyester
15	Coating	Epoxy RAL 5015 - 120 µ

DN 250-300



FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Gearbox – Replaceable – Pinless – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Super Duplex
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Gearbox in Ductile Iron
- Coating: Epoxy
- USP: Maintenance/installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211
- Dimensions: Face-to-Face acc. to EN 558-1 *(series 20)*
  DIN 3202 T3 K1. ISO 5752 T5
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Metric
- Tests: Hydraulic acc.to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC
- Irrigation
- Shipbuilding

Description

FIVC Lugged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can by its high quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu Bronze
- Stainless Steel
- Ductile Iron

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

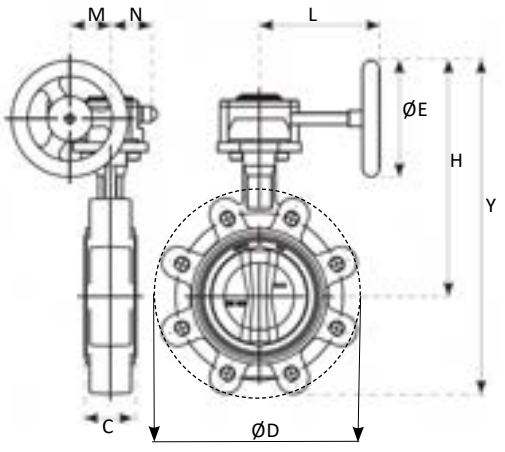
Operation
- 15° notch hand-lever
- Gearbox
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

Dimensions



Product code	Size	ØD	C	ØE	H	Y	L	M	N	Kg
LUGN110050MDVENR1603	50	156	43	125	208	267	129	43.5	50.5	4.2
LUGN110065MDVENR1603	65	175	46	125	223	289	129	43.5	50.5	4.6
LUGN110080MDVENR1603	80	194	46	125	229	320	129	43.5	50.5	6.0
LUGN110100MDVENR1603	100	224	52	125	253	358	129	43.5	50.5	7.6
LUGN110125MDVENR1603	125	267	56	160	286	410	135	43.5	50.5	11.3
LUGN110150MDVENR1603	150	292	56	160	298	435	135	43.5	50.5	12.0
LUGN110200MDVENR1603	200	352	60	200	255	526	152	52.5	59	20.1
LUGN110250MDVENR1603	250	408	68	250	442	652	222	61.2	70.5	29.8
LUGN110300MDVENR1603	300	480	78	250	468	708	222	61.2	70.5	43.1
LUGN110350MDVENR1603	350	522	78	250	498	762	222	61.2	70.5	59.5
LUGN110400MDVENR1603	400	595	102	300	572	880	277	68.8	72.5	84
LUGN110450MDVENR1603	450	633	114	400	630	970	321	96.5	91.5	122
LUGN110500MDVENR1603	500	717	127	400	682	1062	321	96.5	91.5	177
LUGN110600MDVENR1603	600	833	154	500	798	1239	408	138	140	255
LUGN110700MDVENR1603	700	904	165	600	914	1400	456	138	140	333
LUGN110750MDVENR1603	750	964	190	600	944	1474	456	138	140	415
LUGN110800MDVENR1603	800	1020	190	700	1044	1608	510	180	156	487
LUGN110900MDVENR1603	900	1120	203	700	1108	1718	510	180	156	601
LUGN111000MDVENR1603	1000	1246	216	700	1184	1858	579	180	156	758

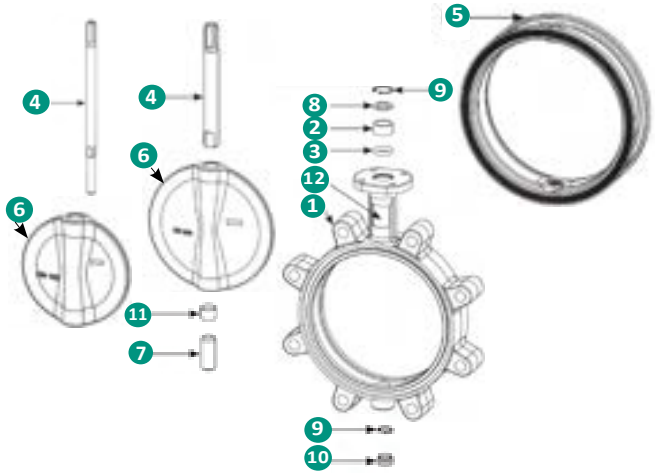
Dimensions are in millimeters

FIVC Butterfly Valve

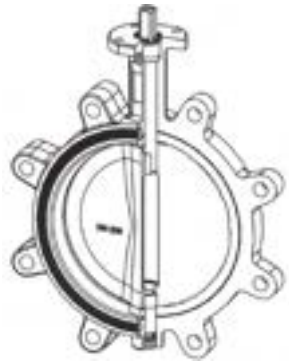
Ductile Iron – PN 16 – Lugged – Gearbox – Replaceable – Pinless – EN 1092-2

Product Specification

DN 50-100 *DN 125-200*

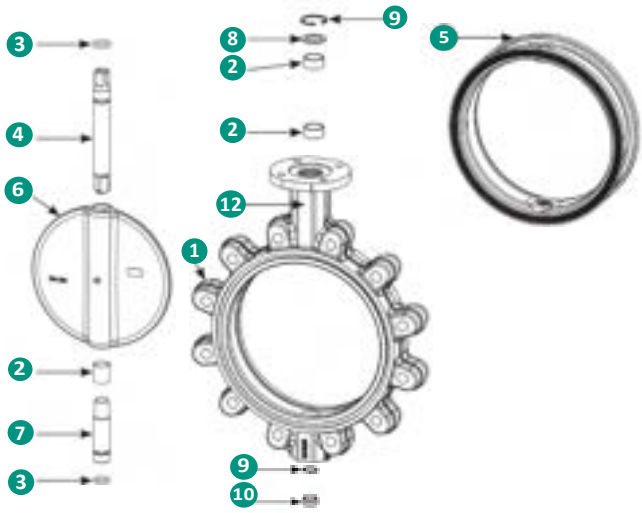


DN 50-200

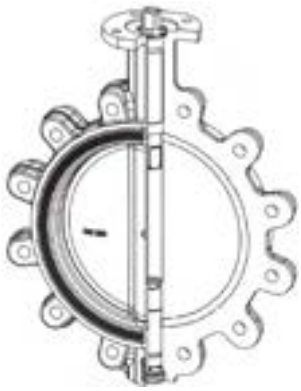


N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 + Epoxy
2	Bushing	Acetal Delrin DN 40/200 Steel Bronze PTFE DN 250/500
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Super Duplex 1.4469
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger Ring Body	Zinc-plated Steel DIN 472 DN 50-200 Zinc-plated Steel DIN 472 DN 250-500
10	Lower plug	EPDM DN 125/200 EPDM DN 250/500
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester

DN 250-500



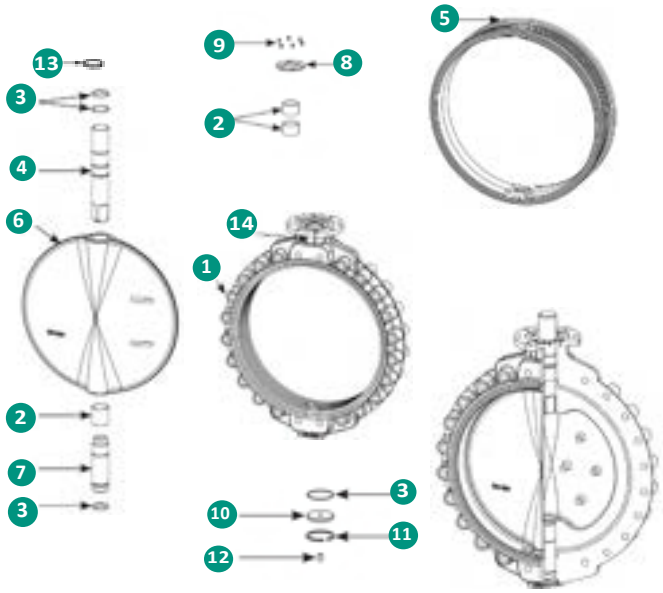
DN 400



FIVC Butterfly Valve

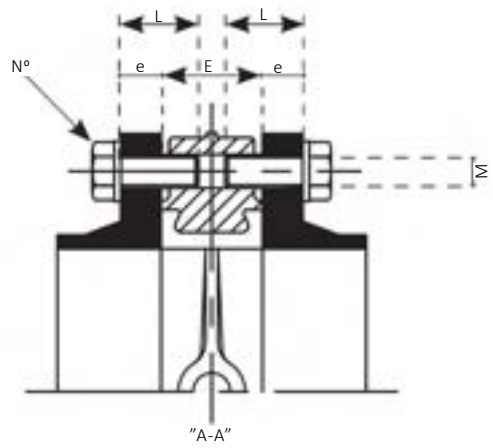
Ductile Iron – PN 16 – Lugged – Gearbox – Replaceable – Pinless – EN 1092-2

DN 600/1000



N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 + Epoxy
2	Bushing	Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Super Duplex 1.4469
7	Lower shaft	Stainless Steel AISI 420
8	Upper Cover	Carbon Steel, Coating Epoxy
9	Bolt upper cover	Zinc-plated Steel DIN 7991
10	Lower Cover	Carbon Steel Coating Epoxy
11	Seeger Ring Body	Zinc-plated Steel DIN 472
12	Screw	Zinc-plated Steel DIN 913 DN 750/1000
13	Retaining Ring Shaft	Zinc-plated Steel DIN 471 DN 600/800
14	Features Tag	Polyester

Product Dimensions





Product code	Size	E	K	e	M	L	N°
LUGN110050MDVENR1603	50	43	125	18	M16	35	8
LUGN110065MDVENR1603	65	46	145	18	M16	40	8
LUGN110080MDVENR1603	80	46	160	20	M16	40	16
LUGN110100MDVENR1603	100	52	180	20	M16	45	16
LUGN110125MDVENR1603	125	56	210	22	M16	50	16
LUGN110150MDVENR1603	150	56	240	22	M20	50	16
LUGN110200MDVENR1603	200	60	295	24	M20	50	24
LUGN110250MDVENR1603	250	68	355	26	M24	60	24
LUGN110300MDVENR1603	300	78	410	28	M24	65	24
LUGN110350MDVENR1603	350	78	470	30	M24	65	32
LUGN110400MDVENR1603	400	102	525	32	M27	65	32
LUGN110450MDVENR1603	450	114	585	32	M27	80/60	32/8
LUGN110500MDVENR1603	500	127	650	34	M30	65	40
LUGN110600MDVENR1603	600	154	770	36	M33	110	40
LUGN110700MDVENR1603	700	165	840	36	M33	120/85	40/8
LUGN110750MDVENR1603	750	190	900	38	M33	130/100	40/8
LUGN110800MDVENR1603	800	190	950	38	M36	130/110	40/8
LUGN110900MDVENR1603	900	203	1050	40	M36	140/100	48/8
LUGN111000MDVENR1603	1000	216	1170	42	M39	150/100	48/8

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Hand lever – Vulcanized – w/Pin – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Alu-Bronze
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Vulcanized EPDM
- Operation: 15º Notch hand lever - Malleable Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- USP: Dead-end/center service
- Standard: BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 16; Shaft: SS AISI 431; Thread: Metric
- Testing: BS EN 12266-1
- Shell pressure: 2.40 MPa; Sealing pressure: 1.76 MPa

Field of applications

- Temperature range: -20 to 120 °C
- Max. working pressure: 16 bar

- Petrochemical industry
- Irrigation systems
- Compressed air
- industries
- Textile industry
- Mechanical industry

Description

FIVC Lugged Butterfly Valve with vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high-quality rotational disc, the valve features quick shut-off function. Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions.

The vulcanized seat ensures that the valve is both suitable for center service and end-of-line service. Furthermore, the valve can be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive Nº 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc	Construction	Seat	Operation
• Stainless Steel • Ductile Iron	• Pinless	• Replaceable • Other seats upon request	• Gearbox • Other operations upon request

Threading	Drilling	PN	Size
• UNC • Whitworth	• PN 20 • PN 25 • ANSI 150	• PN 20 • PN 25	• DN 40+

Product Information

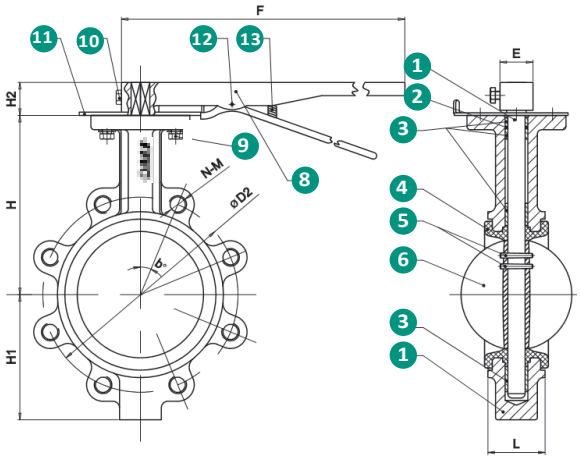
Product code	Size	H	H1	H2	L	ØD2	N-M	b°	E	F	Kg	OTV *(N.m)*	BTV *(N.m)*
LUGN40040MNEPV1623	40	105	73	32	33	110	4-M16	45.0	35	223	4.0	15.1	86
LUGN40050MNEPV1623	50	130	85	32	33	125	4-M16	45.0	35	223	4.5	16.0	86
LUGN40065MNEPV1623	65	140	94	32	46	145	4-M16	45.0	35	223	5.5	17.2	86
LUGN40080MNEPV1623	80	145	105	32	46	160	8-M16	22.5	35	223	6.0	23.1	86
LUGN40100MNEPV1623	100	160	126	32	52	180	8-M16	22.5	35	263	9.0	39.8	169
LUGN40125MNEPV1623	125	170	140	32	56	210	8-M16	22.5	35	263	13.5	61.9	291
LUGN40150MNEPV1623	150	190	151	32	56	240	8-M20	22.5	35	263	14.5	102	291
LUGN40200MNEPV1623	200	220	183	35	60	295	12-M20	15.0	48	358	20.0	192	465

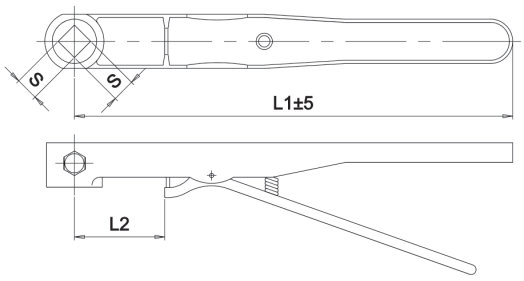
Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Hand lever – Vulcanized – w/Pin – EN 1092-2

Dimensions





Product Specification

N°	Name	Material
1	Body	Ductile Iron GGG40
2	O-Ring	NBR
3	Bushing	Brass
4	Seat	EPDM - Vulcanized
5	Pin	Stainless Steel 316
6	Disc	Alu-Bronze C95400
7	Stem	Stainless Steel 431
8	Handle	Malleable Iron + Epoxy
9	Bolt	Stainless Steel 316
10	Bolt	Stainless Steel 316
11	Notch	Stainless Steel 316
12	Splint Pin	65 MN + Epoxy
13	Spring	65 MN + Epoxy

Product Information

Product code	L1	L2	SxS
DN 40	223	55	9x9
DN 50	223	55	9x9
DN 65	223	55	11x11
DN 80	223	55	11x11
DN 100	261	55	14x14
DN 125	261	55	14x14
DN 150	261	55	14x14
DN 200	358	76	17x17

FIVC Butterfly Valve

Ductile Iron – PN 25 – Lugged – Hand lever – Vulcanized – w/Pin – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Alu-Bronze
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Vulcanized EPDM
- Operation: 15° Notch hand lever - Malleable Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- USP: Dead-end/center service
- Standard: BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 25; Shaft: SS AISI 431; Thread: Metric
- Testing: BS EN 12266-1; Shell pressure: 3.75 MPa; Sealing pressure: 2.75 MPa

Field of applications

- Temperature range: -20 to 120 °C
- Max. working pressure: 25 bar

- Petrochemical industry
- Irrigation systems
- Compressed air
- industries
- Textile industry
- Mechanical industry

Description

FIVC Lugged Butterfly Valve with vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high-quality rotational disc, the valve features quick shut-off function. Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions.

The vulcanized seat ensures that the valve is both suitable for center service and end-of-line service. Furthermore, the valve can be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc	Construction	Seat	Operation
• Ductile Iron • Stainless Steel	• Pinless	• Replaceable • Other seats upon request	• Gearbox • Other operations upon request

Threading	Drilling	PN	Size
• UNC • Whitworth	• PN 20 • PN 16 • ANSI 150	• PN 20 • PN 16	• DN 40+

Product Information

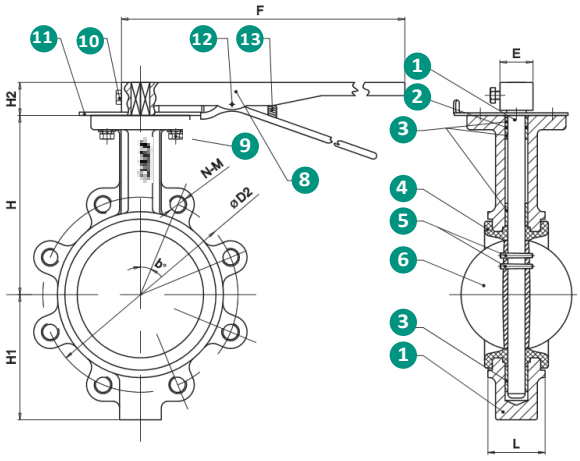
Product code	Size	H	H1	H2	L	ØD2	N-M	b°	E	F	Kg	OTV *(N.m)*	BTV *(N.m)*
LUGN40040MNEPV2529	40	105	73	32	33	110	4-M16	45.0	35	223	4.5	23	86
LUGN40050MNEPV2529	50	130	85	32	33	125	4-M16	45.0	35	223	5.0	23	86
LUGN40065MNEPV2529	65	140	94	32	46	145	8-M16	22.5	35	223	6.0	26	86
LUGN40080MNEPV2529	80	145	105	32	46	160	8-M16	22.5	35	223	6.5	35	86
LUGN40100MNEPV2529	100	160	126	32	52	190	8-M20	22.5	35	223	9.0	60	169
LUGN40125MNEPV2529	125	170	140	32	56	220	8-M24	22.5	35	223	14.0	93	291
LUGN40150MNEPV2529	150	190	151	32	56	250	8-M24	22.5	35	223	15.5	153	291
LUGN40200MNEPV2529	200	220	183	35	60	310	12-M24	15.0	38	358	24.5	288	992

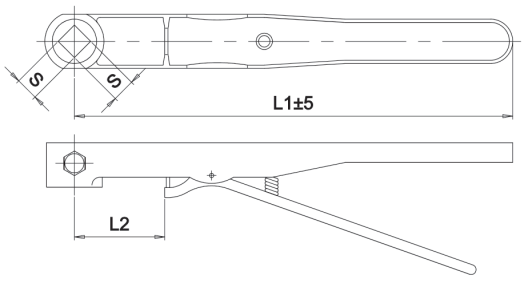
Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value

FIVC Butterfly Valve

Ductile Iron – PN 25 – Lugged – Hand lever – Vulcanized – w/Pin – EN 1092-2

Dimensions





Product Specification

N°	Name	Material
1	Body	Ductile Iron GGG40
2	O-Ring	NBR
3	Bushing	Brass
4	Seat	EPDM - Vulcanized
5	Pin	Stainless Steel 316
6	Disc	Alu-Bronze C95400
7	Stem	Stainless Steel 431
8	Handle	Malleable Iron + Epoxy
9	Bolt	Stainless Steel 316
10	Bolt	Stainless Steel 316
11	Notch	Stainless Steel 316
12	Splint Pin	65 MN + Epoxy
13	Spring	65 MN + Epoxy

Product Information

Product code	L1	L2	SxS
DN 40	223	55	9x9
DN 50	223	55	9x9
DN 65	223	55	11x11
DN 80	223	55	11x11
DN 100	261	55	14x14
DN 125	261	55	14x14
DN 150	261	55	14x14
DN 200	358	76	17x17

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Hand Lever – Replaceable – Pinless – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Alu-Bronze
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Hand Lever
- Coating: Epoxy
- USP: Maintenance/installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211
- Dimensions: Face-to-Face acc. to EN 558-1 *(series 20)*
  DIN 3202 T3 K1. ISO 5752 T5
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Metric
- Tests: Hydraulic acc.to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC
- Irrigation
- Shipbuilding

Description

FIVC Lugged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high-quality rotational disc, the valve features quick shut-off function.
Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pin-less construction leads to good corrosion resistance.
Furthermore, the valve can be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Ductile Iron
- Stainless Steel

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

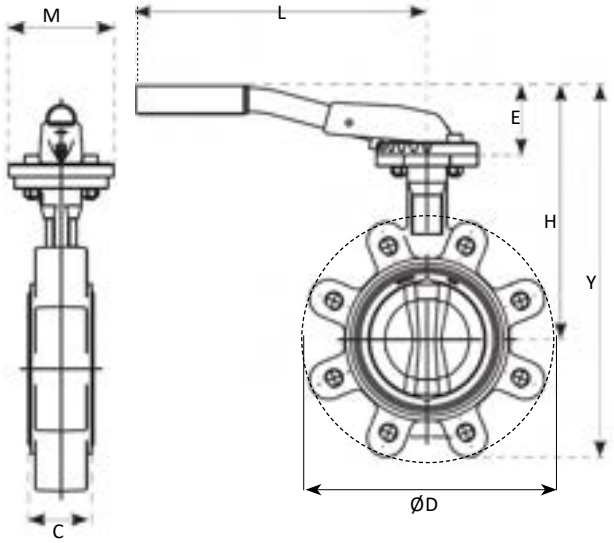
Operation
- 15° notch hand-lever
- Gearbox
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

Dimensions



Product Information

Product code	Size	C	ØD	E	H	Y	L	M	Kg
LUGN40025MNENR1603	25	33	130	49	151.5	202	220	90	2.3
LUGN40032MNENR1603	32	33	130	49	151.5	202	220	90	2.3
LUGN40040MNENR1603	40	33	140	49	159	213	220	90	2.5
LUGN40050MNENR1603	50	43	156	49	169	230	220	90	3.3
LUGN40065MNENR1603	65	46	175	49	184	252	220	90	3.7
LUGN40080MNENR1603	80	46	194	60	201	294	260	90	5.3
LUGN40100MNENR1603	100	52	224	60	225	330	260	90	6.8
LUGN40125MNENR1603	125	56	267	75	255	381	315	90	10.4
LUGN40150MNENR1603	150	56	292	75	268	405	315	90	11.2
LUGN40200MNENR1603	200	60	352	75	300	471	315	90	18.1

**Dimensions are in millimeters*

FIVC Butterfly Valve

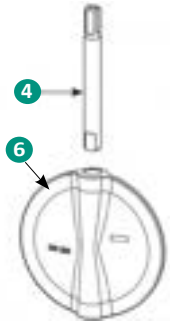
Ductile Iron – PN 16 – Lugged – Hand Lever – Replaceable – Pinless – EN 1092-2

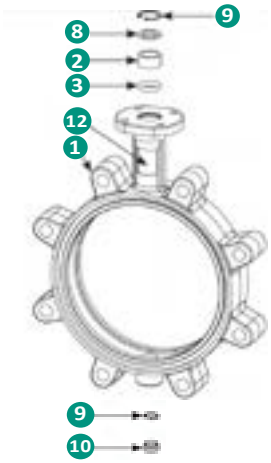
Product Specification

DN 50-100



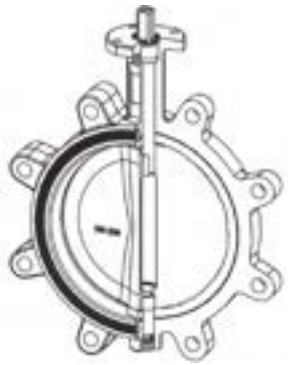
DN 125-200



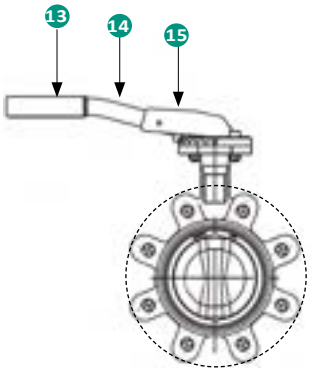




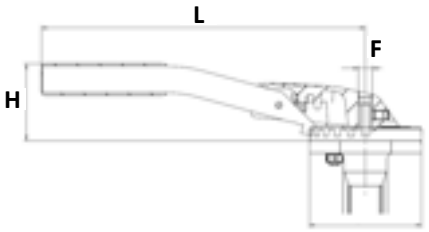
DN 50-200



N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 + Epoxy
2	Bushing	Acetal Delrin DN 40/200 Steel Bronze PTFE DN 250/500
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Alu-Bronze Cu-AI10Fe5Ni5-C
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger Ring Body	Zinc-plated Steel DIN 472 DN 50-200 Zinc-plated Steel DIN 472 DN 250-500
10	Lower plug	EPDM DN 125/200 EPDM DN 250/500
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester
13	Hand Lever cover	Vinyl
14	Hand Lever arm	Carbon Steel, Epoxy
15	Hand Lever head	Aluminum, Epoxy



Dimensions



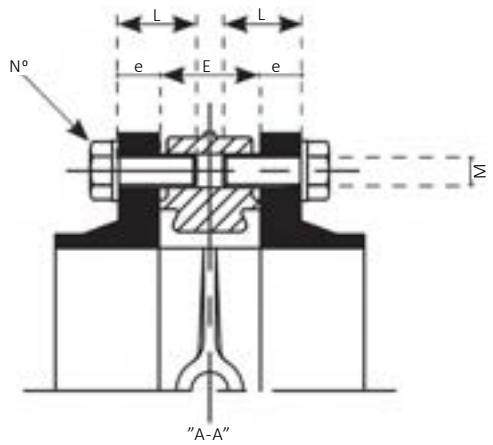
Product Information

Product code	F	L	H	KG
DN 32-65	11	220	49	0.40
DN 80-100	11	260	60	0.45
DN 125-150	14	315	75	0.55
DN 200	17	315	75	0.55

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Hand Lever – Replaceable – Pinless – EN 1092-2

Product Dimensions





Product code	Size	E	K	e	M	L	N°
LUGN40025MNENR1603	25	33	85	16	M12	30	8
LUGN40032MNENR1603	32	33	100	16	M16	30	8
LUGN40040MNENR1603	40	33	110	16	M16	30	8
LUGN40050MNENR1603	50	43	125	18	M16	35	8
LUGN40065MNENR1603	65	46	145	18	M16	40	8
LUGN40080MNENR1603	80	46	160	20	M16	40	16
LUGN40100MNENR1603	100	52	180	20	M16	45	16
LUGN40125MNENR1603	125	56	210	22	M16	50	16
LUGN40150MNENR1603	150	56	240	22	M20	50	16
LUGN40200MNENR1603	200	60	295	24	M20	50	24

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Gearbox – Vulcanized – w/Pin – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Alu-Bronze
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Vulcanized EPDM
- Operation: Gearbox in Ductile Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- USP: Dead-end/center service
- Standard: Standard acc. to BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 16
  Shaft: SS AISI 431
  Thread: Metric
- Testing: BS EN 12266-1
- Shell pressure: 2.40 MPa
  Sealing pressure: 1.76 MPa

Field of applications

- Temperature range: -20 to 120 °C
- Max. working pressure: 16 bar

- Petrochemical industry
- Irrigation systems
- Compressed air industries
- Textile industry
- Mechanical industry

Description

FIVC Lugged Butterfly Valve with vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high-quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions. The vulcanized seat ensures that the valve is both suitable for center service and end-of-line service. Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc	Construction	Seat	Operation
• Stainless Steel • Ductile Iron	• Pinless	• Replaceable • Other seats upon request	• 15° Notch hand lever • Other operations upon request

Threading	Drilling	PN	Size
• UNC • Whitworth	• PN 20 • PN 25 • ANSI 150	• PN 20 • PN 25	• DN 40+

Product Information

Product code	Size	H	H1	H3	L	ØD2	N-M	a°-b°	C	F	ØV	Kg	OTV *(N.m)*	BTV *(N.m)*	Gearbox		
															OT N-M	Ratio	N° of turns
LUGN40065MDVEPV1623	65	140	94	-	46	145	4-M16	45.0	65	154	135	9.0	17.2	86	200	24:1	6.0
LUGN40080MDVEPV1623	80	145	105	-	46	160	8-M16	22.5	65	154	135	9.5	23.1	86	200	24:1	6.0
LUGN40100MDVEPV1623	100	160	126	-	52	180	8-M16	22.5	65	154	135	12.0	39.8	169	200	24:1	6.0
LUGN40125MDVEPV1623	125	170	140	-	56	210	8-M16	22.5	65	154	135	17.0	61.9	291	200	24:1	6.0
LUGN40150MDVEPV1623	150	190	151	-	56	240	8-M20	22.5	65	154	135	18.0	102	291	200	24:1	6.0
LUGN40200MDVEPV1623	200	220	183	-	60	295	12-M20	15.0	77	225	285	27.5	192	465	500	30:1	7.5
LUGN40250MDVEPV1623	250	260	217	-	68	355	12-M24	15.0	77	225	285	40.0	323	993	500	30:1	7.5
LUGN40300MDVEPV1623	300	290	252	-	78	410	12-M24	15.0	80	215	285	59.0	490	1360	1200	50:1	12.5
LUGN40350MDVEPV1623	350	320	285	-	78	470	16-M24	11.25	80	215	285	67.5	625	1360	1200	50:1	12.5
LUGN40400MDVEPV1623	400	356	315	271	102	525	16-M27	11.25	56	124	385	99	846	2356	1800	80:1	20
LUGN40450MDVEPV1623	450	387	384	271	114	585	20-M27	9.0	56	124	385	152	1170	4120	1800	80:1	20
LUGN40500MDVEPV1623	500	424	390	271	127	650	20-M30	9.0	121	256	285	191	1421	4120	2500	560:1	140
LUGN40600MDVEPV1623	600	524	455	330	154	770	20-M33	9.0	130	285	385	298	2301	6781	4000	640:1	160
LUGN40700MDVEPV1623	700	600	530	378	165	840	24-M33	7.5	149	337	425	431	4253	10961	8000	704:1	176
LUGN40750MDVEPV1623	750	660	539	378	167	900	24-M36	7.5	149	337	425	476	4980	10961	8000	704:1	176
LUGN40800MDVEPV1623	800	666	576	378	190	950	24-M36	7.5	149	337	425	568	5600	10961	8000	704:1	176

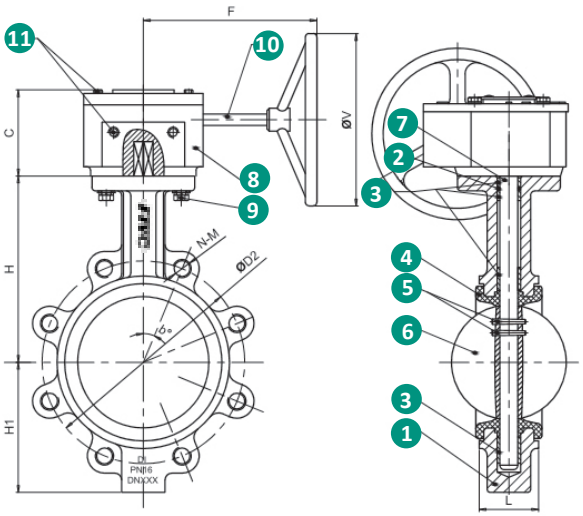
Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value

FIVC Butterfly Valve

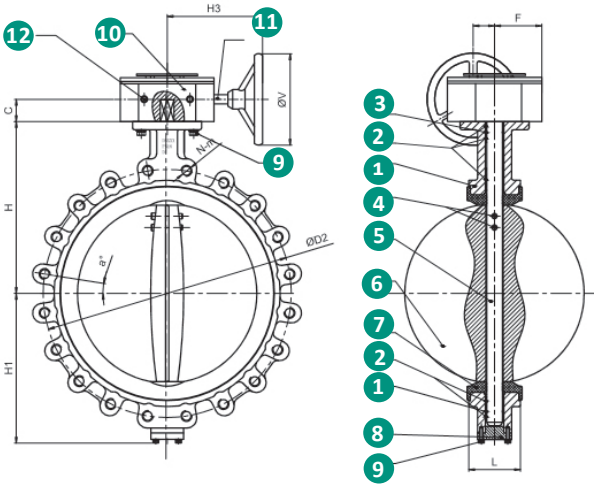
Ductile Iron – PN 16 – Lugged – Gearbox – Vulcanized – w/Pin – EN 1092-2

Dimensions

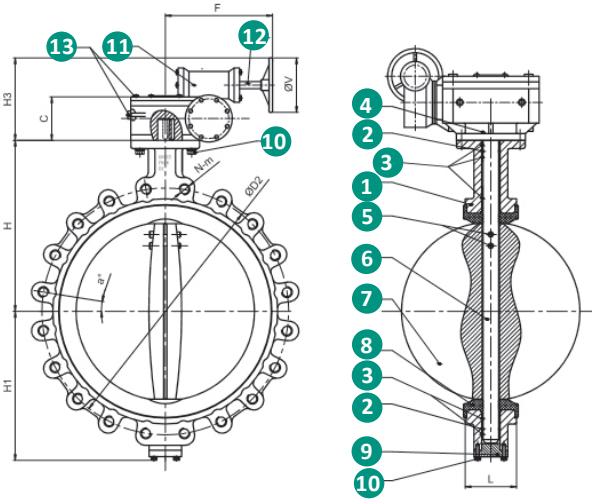
DN 65-350



DN 400-450



DN 500-800



Product Specification

N°	Name	Material
1	Body	Ductile Iron GGG40
2	O-Ring	NBR
3	Bushing	Brass
4	Seat	Vulcanized EPDM
5	Pin	Stainless Steel SS 316
6	Disc	Alu-Bronze C95400
7	Stem	Stainless Steel 431
8	Gearbox	Ductile Iron GGG40
9	Bolt	Stainless Steel 316
10	Input Shaft	Stainless Steel 304
11	Bolt	Stainless Steel 304

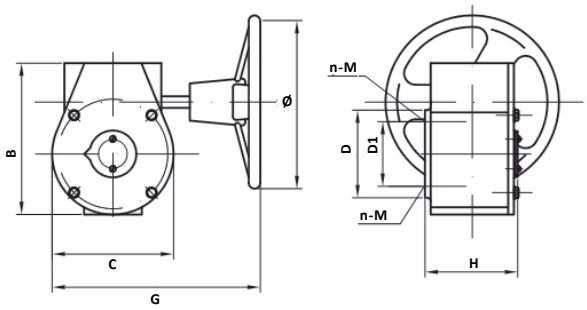
N°	Name	Material
1	Body	Ductile Iron GGG40
2	Bushing	Brass
3	O-Ring	NBR
4	Pin	Stainless Steel 316
5	Stem	Stainless Steel 431
6	Disc	Alu-Bronze C95400
7	Seat	Vulcanized EPDM
8	Cover	Ductile Iron GGG40
9	Bolt and accessories	Stainless Steel 316
10	Gearbox	Ductile Iron GGG40
11	Input Shaft	Stainless Steel 304
12	Bolts	Stainless Steel 304

N°	Name	Material
1	Body	Ductile Iron GGG40
2	O-Ring	NBR
3	Bushing	Brass
4	Key	Carbon Steel
5	Pin	Stainless Steel 316
6	Stem	Stainless Steel 431
7	Disc	Alu-Bronze C95400
8	Seat	Vulcanized EPDM
9	Cover	Ductile Iron GGG40
10	Bolt and accessories	Stainless Steel 316
11	Gearbox	Ductile Iron GGG40
12	Input Shaft	Stainless Steel 304
13	Bolts	Stainless Steel 304

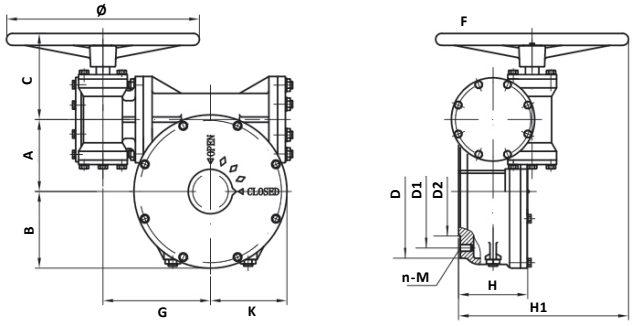
FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Gearbox – Vulcanized – w/Pin – EN 1092-2

DN 65-450



DN 500-800



Gearbox Dimensions

Valve size	A	B	C	D	D1	D2	H	H1	G	K	Ø	n-M
65-150	-	125	102	90	70	-	65		203	-	135	-
200-250	-	167	141	125	102	-	79		295	-	285	-
300-350	-	188	152	175	140	-	80		291	-	285	-
400-450	-	279	247	210	165		109		336		390	
500	100	107	156	210	165	130	125	271	168	107	285	4-M20
600	125	131	160	210	165	130	136	330	193	131	385	4-M20
700-800	140	146	197	300	254	200	149	378	230	146	425	8-M16

Dimensions are in millimeters

FIVC Butterfly Valve

Ductile Iron – PN 25 – Lugged – Gearbox – Vulcanized – w/Pin – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Alu-Bronze
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Vulcanized EPDM
- Operation: Gearbox in Ductile Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- USP: Dead-end/center service
- Standard: BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 25; Shaft: SS AISI 431/630; Thread: Metric
- Tests: Inspection test acc. to BS EN 12266-1

Field of applications

- Max. temperature: -15 to 120 °C
- Max. working pressure: 25 bar

- HVAC industry
- Irrigation systems
- Mining and infrastructure industries
- Shipyard industry
- Compressed air
- Textile industry
- Mechanical industry
- Steam applications
- Other various industries

Description

FIVC Lugged Butterfly Valve with its vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions. The vulcanized seat ensures that the valve is both suitable for center service and end-of-line service. Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Ductile Iron
- Stainless Steel

Construction
- Pinless

Seat
- Replaceable
- Other seats upon request

Operation
- 15° Notch hand lever
- Other operations upon request

Threading
- UNC
- Whitworth

Drilling
- PN 16
- PN 20
- ANSI 150

PN
- PN 16
- PN 20

Size
- DN 40+

Product Information

Product code	Size	H	H1	H3	L	ØD2	N-M	a°-b°	C	F	ØV-V	Kg	OTV *(N.m)*	BTV *(N.m)*	Gearbox		
															OT N-M	*Ratio*	*N° of turns*
LUGN40065MDVEPV2529	65	140	94	-	46	145	8-M16	22.5	65	154	135	11	26	86	200	24:1	6
LUGN40080MDVEPV2529	80	145	105	-	46	160	8-M16	22.5	65	154	135	11.6	35	86	200	24:1	6
LUGN40100MDVEPV2529	100	160	126	-	52	190	8-M20	22.5	65	154	135	15.3	60	169	200	24:1	6
LUGN40125MDVEPV2529	125	170	140	-	56	220	8-M24	22.5	65	154	135	19.8	93	291	200	24:1	6
LUGN40150MDVEPV2529	150	190	151	-	56	250	8-M24	22.5	65	154	135	20.5	153	291	200	24:1	6
LUGN40200MDVEPV2529	200	220	183	-	60	310	12-M24	15	77	225	285	33.1	288	992	500	32:1	8
LUGN40250MDVEPV2529	250	260	217	-	68	370	12-M27	15	77	225	285	56.5	485	1360	500	32:1	8
LUGN40300MDVEPV2529	300	290	252	-	78	430	16-M27	11.25	80	215	285	77.2	735	1563	1200	50:1	12.5
LUGN40350MDVEPV2529	350	320	285	-	78	490	16-M30	11.25	80	215	285	96.2	938	2356	1200	50:1	12.5
LUGN40400MDVEPV2530	400	356	325	271	102	550	16-M33	11.25	121	256	285	142.1	1269	3928	2.5x103	560:1	140
LUGN40450MDVEPV2530	450	387	384	271	114	600	20-M33	9	121	256	285	218.6	1697	5072	2.5x103	560:1	140
LUGN40500MDVEPV2530	500	424	392	271	127	600	20-M33	9	121	256	285	290.6	2147	6788	2.5x103	560:1	140
LUGN40600MDVEPV2530	600	524	455	330	154	770	20-M36	9	130	285	385	458.6	3452	10780	4x103	506:1	140
LUGN40700MDVEPV2530	700	600	530	378	165	875	24-M39	7.5	149	377	425	593.5	6380	14788	8x103	704:1	176
LUGN40750MDVEPV2530	750	660	539	378	167	-	-	-	149	377	425	661	7390	18188	8x103	704:1	176
LUGN40800MDVEPV2530	800	666	576	378	190	990	24-M45	7.5	149	377	425	799	8400	18188	8x103	704:1	176

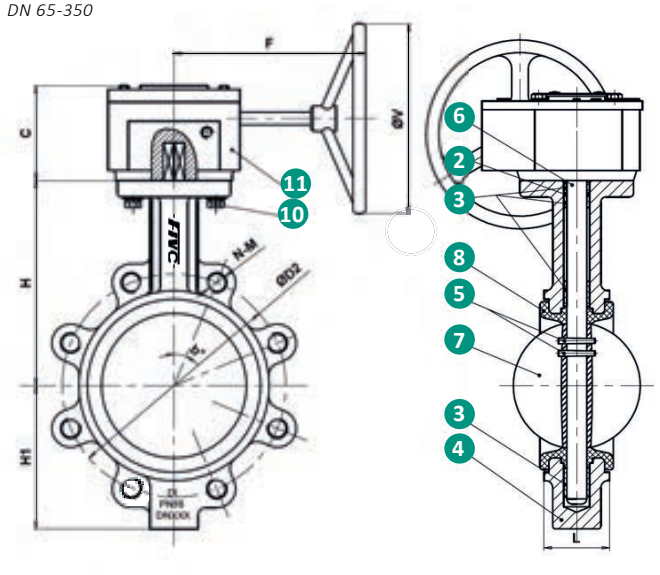
Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value

FIVC Butterfly Valve

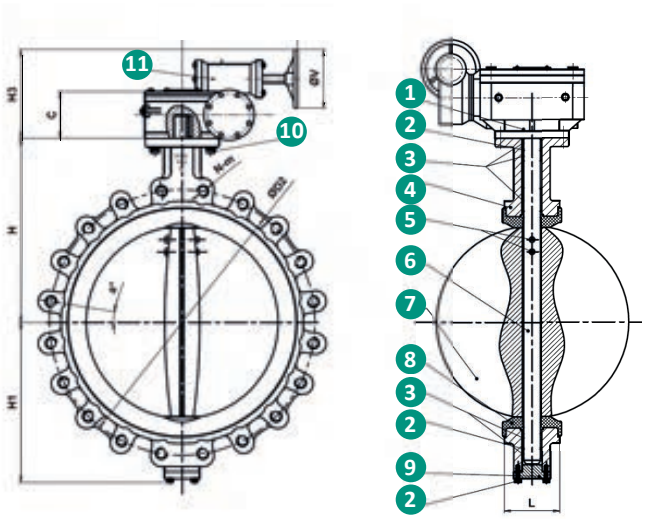
Ductile Iron – PN 25 – Lugged – Gearbox – Vulcanized – w/Pin – EN 1092-2

Dimensions

DN 65-350



DN 400-800



Product Specification

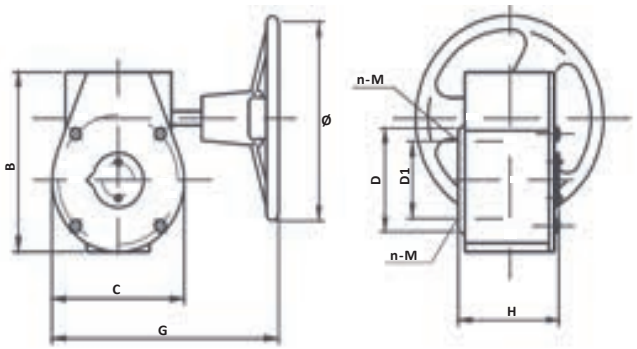
N°	Name	Material
1	Key *Only for DN 600+*	Carbon Steel
2	O-Ring	NBR
3	Bushing	Brass C836600 + C37700
4	Body	Ductile Iron GGG 40
5	Pin	Stainless Steel SS 316 DN 65-100: 1 pcs. DN 125+: 2 pcs.
6	Stem	DN 40-350: Stainless Steel 431 DN 400-800: Stainless Steel 630
7	Disc	Aluminium-Bronze CuAl10Fe5Ni5-C DN 350+: CC333G
8	Seat	Vulcanized EPDM
9	Cover	Ductile Iron GGG 40
10	Bolts and Accessories	Stainless Steel 316
11	Gearbox	Ductile Iron

Gearbox Dimensions

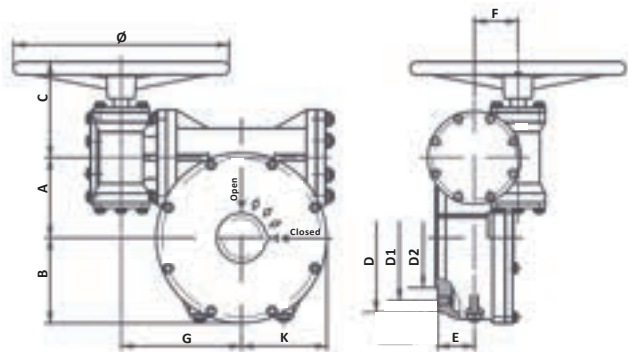
Valve size	A	B	C	D	D1	D2	E-H	F	G	K	Φ	n-M
65-150	-	125	102	92	70	-	65		203		135	-
200-250	-	167	141	125	102	-	79		295		285	-
300-350	-	188	152	125	102	-	80		291		285	-
400-500	100	107	162	175	140	100	67	60	170	107	285	4-M16/ 4-M20
600	125	131	172	276	165	-	65	66	192	131	385	4-M20
700-800	140	146	200	300	254	200	72	88	224	146	425	8-M16

Dimensions are in millimeters

DN 65-350



DN 400-800



FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Gearbox – Replaceable – Pinless – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Alu-Bronze
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Gearbox in Ductile Iron
- Coating: Epoxy
- USP: Maintenance/installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211
- Dimensions: Face-to-Face acc. to EN 558-1 *(series 20)*
  DIN 3202 T3 K1. ISO 5752 T5
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Metric
- Tests: Hydraulic acc.to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC
- Irrigation
- Shipbuilding

Description

FIVC Lugged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can by its high quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Stainless Steel
- Ductile Iron

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

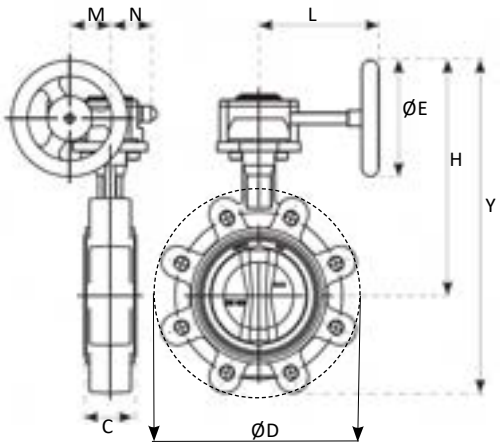
Operation
- 15° notch hand-lever
- Gearbox
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

Dimensions



Product code	Size	ØD	C	ØE	H	Y	L	M	N	Kg
LUGN40050MDVENR1603	50	156	43	125	208	267	129	43.5	50.5	4.2
LUGN40065MDVENR1603	65	175	46	125	223	289	129	43.5	50.5	4.6
LUGN40080MDVENR1603	80	194	46	125	229	320	129	43.5	50.5	6.0
LUGN40100MDVENR1603	100	224	52	125	253	358	129	43.5	50.5	7.6
LUGN40125MDVENR1603	125	267	56	160	286	410	135	43.5	50.5	11.3
LUGN40150MDVENR1603	150	292	56	160	298	435	135	43.5	50.5	12.0
LUGN40200MDVENR1603	200	352	60	200	255	526	152	52.5	59	20.1
LUGN40250MDVENR1603	250	408	68	250	442	652	222	61.2	70.5	29.8
LUGN40300MDVENR1603	300	480	78	250	468	708	222	61.2	70.5	43.1
LUGN40350MDVENR1603	350	522	78	250	498	762	222	61.2	70.5	59.5
LUGN40400MDVENR1603	400	595	102	300	572	880	277	68.8	72.5	84
LUGN40450MDVENR1603	450	633	114	400	630	970	321	96.5	91.5	122
LUGN40500MDVENR1603	500	717	127	400	682	1062	321	96.5	91.5	177
LUGN40600MDVENR1603	600	833	154	500	798	1239	408	138	140	255
LUGN40700MDVENR1603	700	904	165	600	914	1400	456	138	140	333
LUGN40750MDVENR1603	750	964	190	600	944	1474	456	138	140	415
LUGN40800MDVENR1603	800	1020	190	700	1044	1608	510	180	156	487
LUGN40900MDVENR1603	900	1120	203	700	1108	1718	510	180	156	601
LUGN41000MDVENR1603	1000	1246	216	700	1184	1858	579	180	156	758

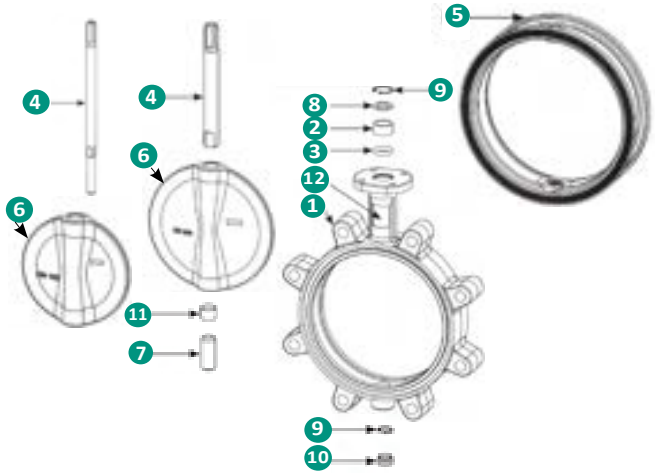
Dimensions are in millimeters

FIVC Butterfly Valve

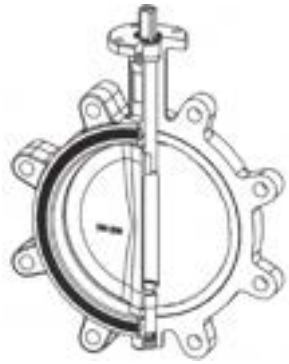
Ductile Iron – PN 16 – Lugged – Gearbox – Replaceable – Pinless – EN 1092-2

Product Specification

DN 50-100 *DN 125-200*

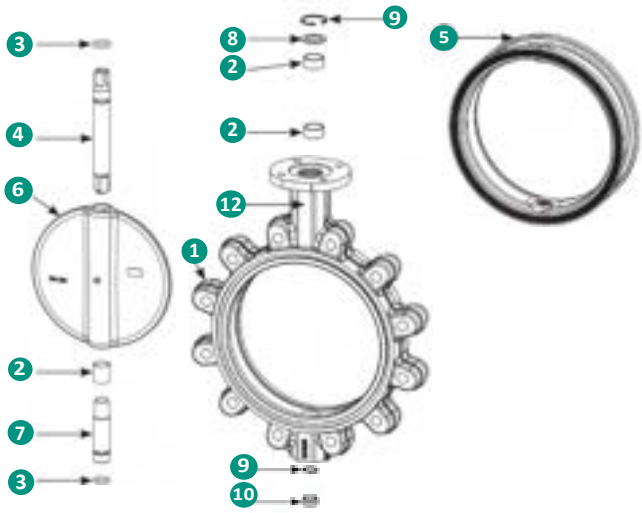


DN 50-200

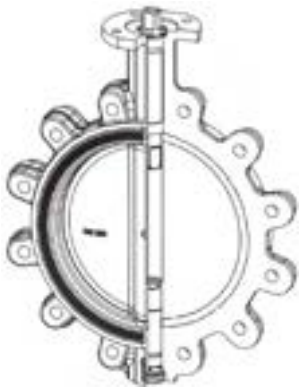


N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 + Epoxy
2	Bushing	Acetal Delrin DN 40/200 Steel Bronze PTFE DN 250/500
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Alu-Bronze CuAl10Fe5Ni5-C
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger Ring Body	Zinc-plated Steel DIN 472 DN 50-200 Zinc-plated Steel DIN 472 DN 250-500
10	Lower plug	EPDM DN 125/200 EPDM DN 250/500
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester

DN 250-500



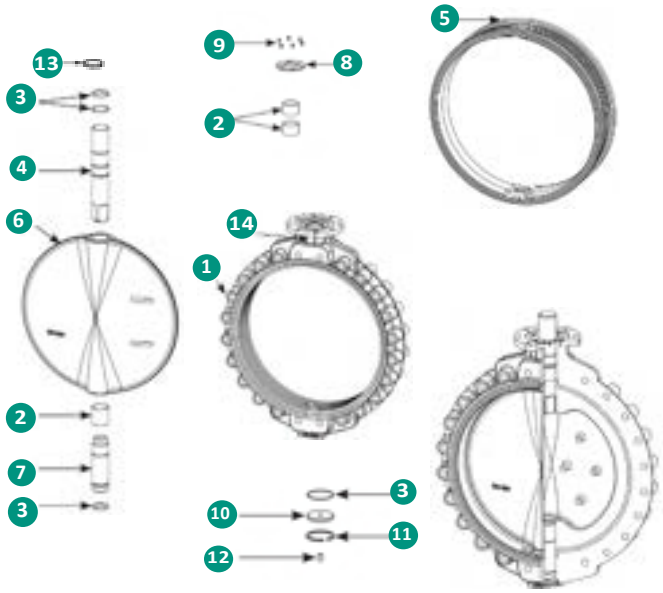
DN 400



FIVC Butterfly Valve

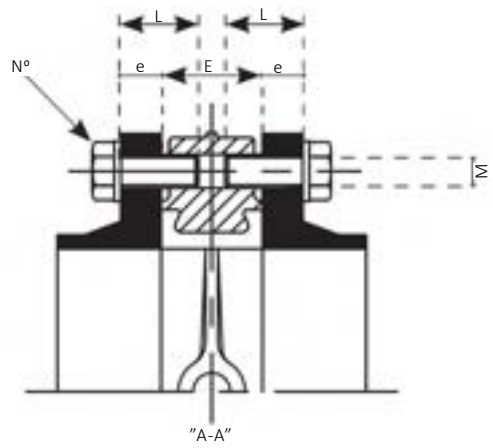
Ductile Iron – PN 16 – Lugged – Gearbox – Replaceable – Pinless – EN 1092-2

DN 600/1000



N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 + Epoxy
2	Bushing	Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Alu-Bronze CuAl10Fe5Ni5-C
7	Lower shaft	Stainless Steel AISI 420
8	Upper Cover	Carbon Steel, Coating Epoxy
9	Bolt upper cover	Zinc-plated Steel DIN 7991
10	Lower Cover	Carbon Steel Coating Epoxy
11	Seeger Ring Body	Zinc-plated Steel DIN 472
12	Screw	Zinc-plated Steel DIN 913 DN 750/1000
13	Retaining Ring Shaft	Zinc-plated Steel DIN 471 DN 600/800
14	Features Tag	Polyester

Product Dimensions





Product code	Size	E	K	e	M	L	N°
LUGN40050MDVENR1603	50	43	125	18	M16	35	8
LUGN40065MDVENR1603	65	46	145	18	M16	40	8
LUGN40080MDVENR1603	80	46	160	20	M16	40	16
LUGN40100MDVENR1603	100	52	180	20	M16	45	16
LUGN40125MDVENR1603	125	56	210	22	M16	50	16
LUGN40150MDVENR1603	150	56	240	22	M20	50	16
LUGN40200MDVENR1603	200	60	295	24	M20	50	24
LUGN40250MDVENR1603	250	68	355	26	M24	60	24
LUGN40300MDVENR1603	300	78	410	28	M24	65	24
LUGN40350MDVENR1603	350	78	470	30	M24	65	32
LUGN40400MDVENR1603	400	102	525	32	M27	65	32
LUGN40450MDVENR1603	450	114	585	32	M27	80/60	32/8
LUGN40500MDVENR1603	500	127	650	34	M30	65	40
LUGN40600MDVENR1603	600	154	770	36	M33	110	40
LUGN40700MDVENR1603	700	165	840	36	M33	120/85	40/8
LUGN40750MDVENR1603	750	190	900	38	M33	130/100	40/8
LUGN40800MDVENR1603	800	190	950	38	M36	130/110	40/8
LUGN40900MDVENR1603	900	203	1050	40	M36	140/100	48/8
LUGN41000MDVENR1603	1000	216	1170	42	M39	150/100	48/8

BUTTERFLY U-FLANGED



Feature	Cutting-edge technology tailored for peak flow regulation and shut-off.
Corrosion resistance	Of premium materials and replaceable or vulcanized seat to withstand harsh environments.
Green responsibility	Top-tier energy conservation while delivering reliable and precise performance via low-pressure drop and bubble-tightness, reducing energy consumption.
Space optimizer	For center- and dead-end service, integrates into existing systems with fully interchangeable components.
Adaptability	Easy installation and minimal maintenance reduce energy usage and environmental impact, enhancing productivity while cutting operational costs.



- Bubble tight
- Fast-acting
- Cost-and energy efficient
- Small driving torque
- Small size
- Light in weight
- Easy operation

ISH 2025

FIVC Butterfly Valve

Ductile Iron – PN 16 – U-flanged – Hand lever – Replaceable – Pinless – EN 1092-2



FLANU series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile Iron
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Hand lever
- Coating: Epoxy
- USP: Maintenance and installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face acc. to EN 558-1 (Ser.20)
  DIN 3202 T3 K1 - ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16 / Metric
  Shaft: SS AISI 420
- Tests: Hydraulic test acc. to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- General services
- HVAC

Description

FIVC U-flanged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high-quality rotational disc, the valve features quick shut-off function. Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance.
Furthermore, the valve can be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Stainles Steel
- Alu-Bronze

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

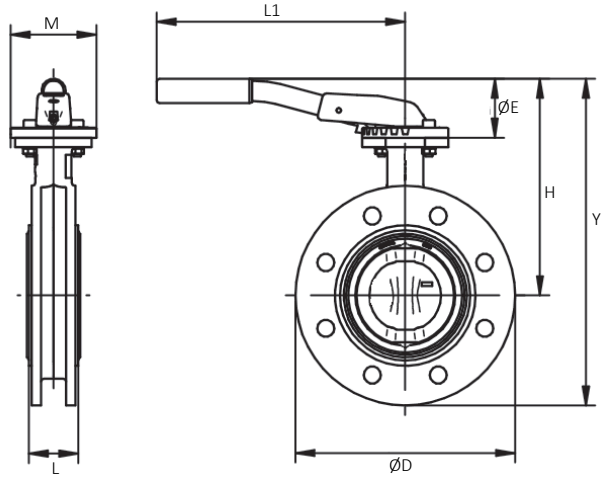
Operation
- 15° notch hand-lever
- Gearbox
- Other operations upon request

Drilling
- PN 20
- PN 25
  ANSI 150

PN
- PN 20 (w/pin)
  PN 25 (w/pin)

Size
- DN 40+

Dimensions



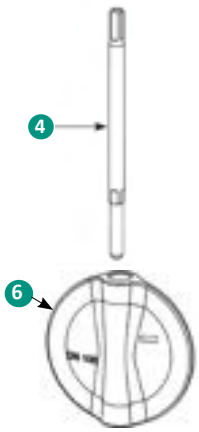
Product code	Size (DN)	L	D	E	H	Y	L1	M	Kg
FLANU30080MNENR1603	80	46	200	60	201	303	260	90	5.8
FLANU30100MNENR1603	100	52	230	60	225	340	260	90	7.6
FLANU30125MNENR1603	125	56	255	75	255	383	315	90	10.1
FLANU30150MNENR1603	150	56	285	75	268	411	315	90	11.6
FLANU30200MNENR1603	200	60	345	75	300	473	315	90	19.0

FIVC Butterfly Valve

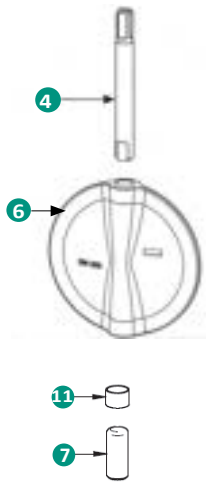
Ductile Iron – PN 16 – U-flanged – Hand lever – Replaceable – Pinless – EN 1092-2

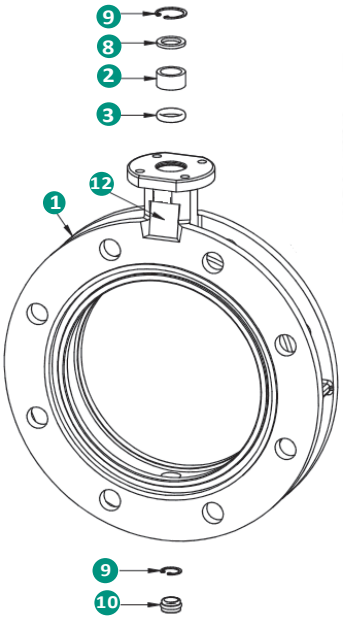
Product Specification

DN 80-100

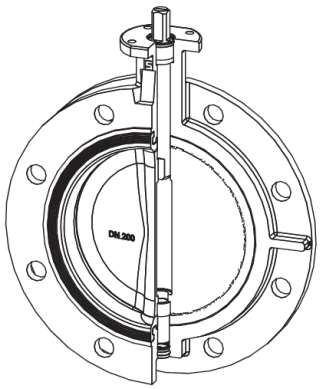


DN 125-200

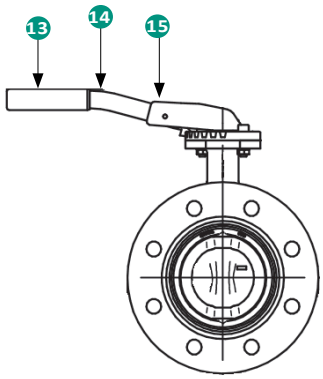




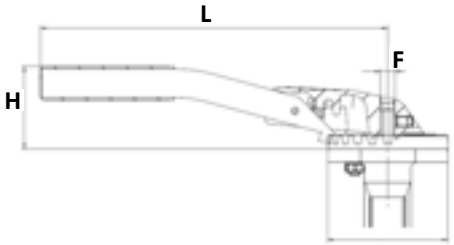




N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15, Epoxy
2	Bushing	Acetal Delrin
3	O-Ring	Nitrile
4	Upper Shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Ductile Iron EN-GJS-400-15, Epoxy
7	Lower Shaft	Stainless Steel AISI 420 (DN 125-200)
8	Retaining Ring	Zinc-plated Steel
9	Seeger Ring Body	Zinc-plated Steel DIN 472
10	Lower Plug	EPDM (DN 125-200)
11	Bushing	Steel Bronze PTFE
12	Features Tag	Polyester
13	Hand Lever cover	Vinyl
14	Hand Lever arm	Carbon Steel, Epoxy
15	Hand Lever head	Aluminum, Epoxy



Dimensions



Product Information

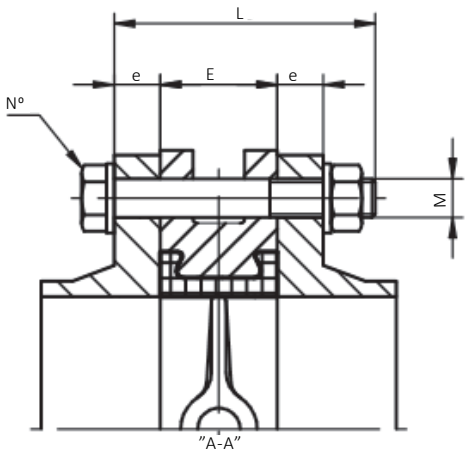
Product code	F	L	H	KG
DN 80-100	11	260	60	0.45
DN 125-150	14	315	75	0.55
DN 200	17	315	75	0.55

FIVC Butterfly Valve

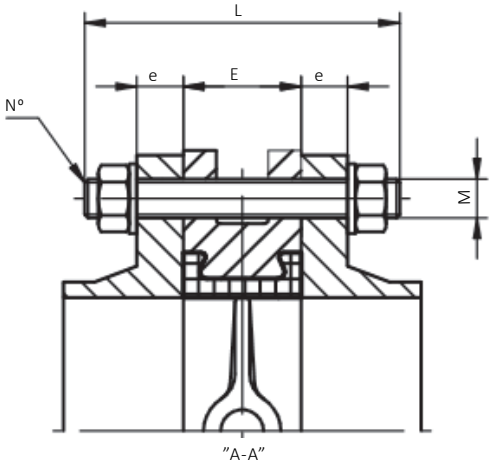
Ductile Iron – PN 16 – U-flanged – Hand lever – Replaceable – Pinless – EN 1092-2

DN 1200/1600

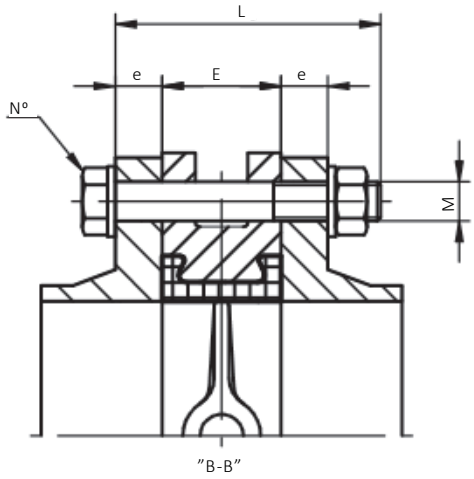
Screw



Link



Screw Only



Product code	Size	E	K	e	M	L	L1	N°
FLANU30080MNENR1603	80	46	160	20	M16	110	130	8
FLANU30100MNENR1603	100	52	180	20	M16	110	130	8
FLANU30125MNENR1603	125	56	210	22	M16	120	140	8
FLANU30150MNENR1603	150	56	240	22	M20	130	150	8
FLANU30200MNENR1603	200	60	295	24	M20	130	160	12

FIVC Butterfly Valve

Ductile Iron – PN 25 – U-Flanged – Hand lever – Glued – Pinless – EN 1092-2



FLANU series

Technical data

Main features and materials

• Body:	Ductile Iron	
• Disc:	Ductile Iron	
• Stem:	Stainless Steel	
• Seat:	Glued EPDM	
• Operation:	Hand lever in Malleable Iron	
• Coating:	Epoxy RAL 5015 *(120 µ)*	
• Dimensions:	Face-to-Face acc. to EN 558-1 *(series 20)*	
• Design:	EN 593	
• Type:	Drilling:	PN 25
	Shaft:	SS AISI 420/1.4542
	Thread:	Metric
• Hydrostatic test:	EN 12266-1	
Resistance	Open valve: 37.5 Kg/cm³	
	Closed valve: 27.5 kg/cm³	

Field of applications

• Temperature range:	-20 to 110 °C
• Max. working pressure:	25 bar

- Filtration
- Water treatment
- Water distribution
- Cooling systems
- Naval industry

Description

FIVC U-Flanged Butterfly Valve with its glued seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Since the valve is pinless, the disc is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can easily be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu-Bronz
- Stainless Steel

Construction
- w/Pin

Seat
- Vulcanized
- Replaceable

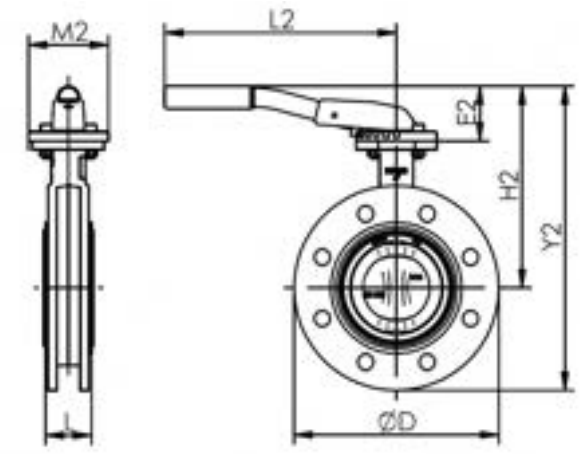
Operation
- Gearbox
- Actuator
- Other operations upon request

Drilling
- PN 16
- PN 20
- ANSI 150

PN
- PN 16 (w/pin)
- PN 20 (w/pin)

Size
- DN 40+

Dimensions



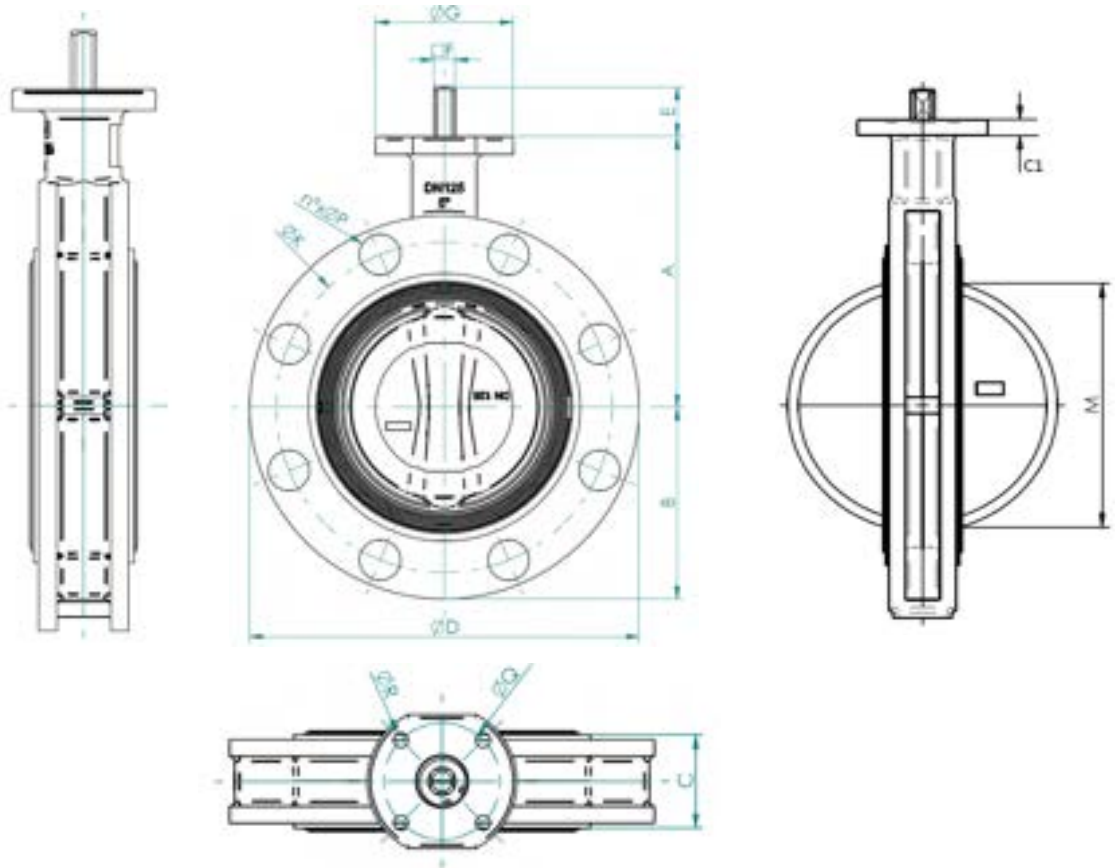
Product code	Size	D	L	E2	H2	Y2	L2	M2	Kg
FLANU30080MNENG2509	80	200	46	60	201	303	260	90	5.8
FLANU30100MNENG2509	100	230	52	60	225	340	260	90	7.6
FLANU30125MNENG2509	125	255	56	75	255	383	315	90	10.1
FLANU30150MNENG2509	150	285	56	75	268	411	315	90	11.6
FLANU30200MNENG2509	200	345	60	75	300	473	315	90	19.0

Dimensions are in millimeters

Dimensions of the bare shaft

Product code	Size	General dimensions of bare shaft													
		A	B	C	ØD	E	F	ØG	ØK	n°xØP	ISO	ØQ	ØR	M	C1
FLANU30080MNENG2509	80	141	110	46	200	30	11	90	160	8xØ18	F-07	70	4x9	65	10
FLANU30100MNENG2509	100	165	115	52	230	30	11	90	190	8xØ23	F-07	70	4x9	90	10
FLANU30125MNENG2509	125	180	127	56	255	33	14	90	220	8xØ27	F-07	70	4x9	112	12
FLANU30150MNENG2509	150	193	143	56	285	33	14	90	250	8xØ27	F-07	70	4x9	139	12
FLANU30200MNENG2509	200	225	173	60	345	33	17	90	310	12xØ27	F-07	70	4x9	191	12

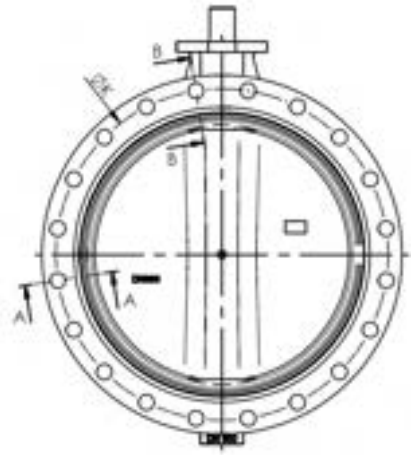
Dimensions are in millimeters



FIVC Butterfly Valve

Ductile Iron – PN 25 – U-Flanged – Hand lever – Glued – Pinless – EN 1092-2

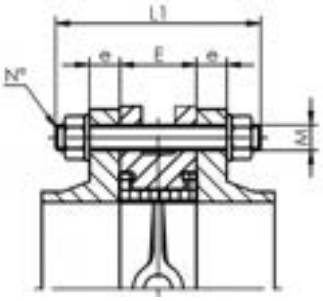
Screw assembly



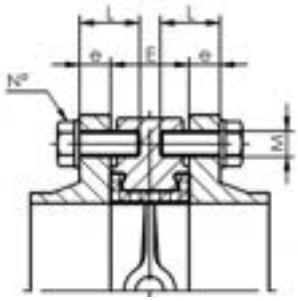
Product code	Size	E	K	e	M	L	L1	N°
FLANU30080MNENG2509	80	46	160	20	M16	110	130	8
FLANU30100MNENG2509	100	52	180	20	M16	110	130	8
FLANU30125MNENG2509	125	56	210	22	M16	120	140	8
FLANU30150MNENG2509	150	56	240	22	M20	130	150	8
FLANU30200MNENG2509	200	60	295	24	M20	130	160	12

Dimensions are in millimeters

A-A screw

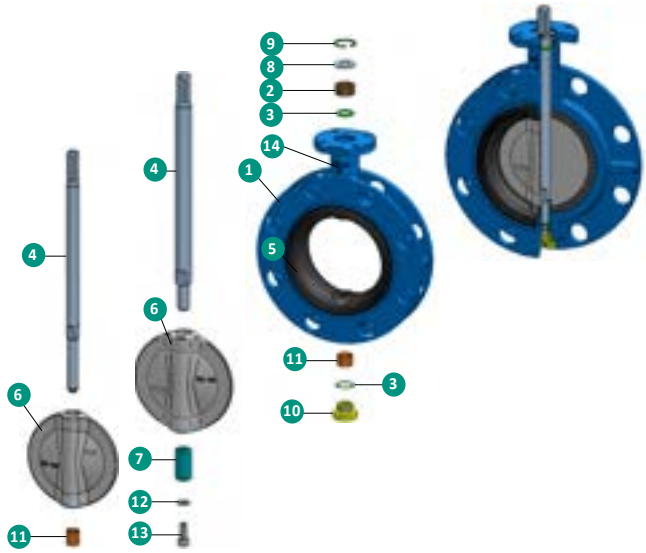


A-A Link



Product Specification

DN 80-100 **DN 125-200**



N°	Name	Material
1	Body	Ductile Iron GJS-400-15 EN 1563
2	Bushing	Bronze-Brass 6 Pcs.
3	O-Ring	Nitrile DN 80-100: 1 pcs. DN 125-200: 2 pcs.
4	Upper shaft	DN 80-100: Stainless Steel AISI 420 DN 125-200: Stainless Steel 1.4542
5	Seat	Glued EPDM
6	Disc	Ductile Iron GJS-400-15 EN 1563
7	Lower shaft	DN 125-200: Stainless Steel 1.4542
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel DIN 472 1 pcs.
10	Lower plug	DN 125-200: Stainless Steel AISI 420
11	Bushing	Stainless Steel-Bronze-PTFE
12	Lockwasher	Stainless Steel AISI 304 DIN 127 DN 125-200: 2 pcs.
13	Screw	DN 125-200: Stainless Steel AISI 304 DIN 912
14	Features tag	Polyester
15	Coating	Epoxy RAL 5015 - 120 µ

FIVC Butterfly Valve

Ductile Iron – PN 16 – U-Flanged – Gearbox – Vulcanized - w/Pin – EN 1092-2



FLANU series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile Iron
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: EPDM Vulcanized
- Operation: Gearbox in Ductile Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- Standard: Standard acc. to BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 16
- Testing: Shell pressure: 2.4 MPa
  Seal pressure: 1.76 MPa
- Tests: Inspection test acc. to BS EN 12266-1

Field of applications

- Temperature range: -15 to 120 °C
- Max. working pressure: 16 bar

- Petrochemical industry
- Irrigation systems
- Mining and infrastructure industries
- Shipyard industry
- Compressed air
- Textile industry
- Mechanical industry
- Steam applications
- Other various industries

Description

FIVC Flanged Butterfly Valve with its vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high-quality rotational disc, the valve features a quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions. The vulcanized seat ensures that the valve is both suitable for center service and end-of-line service. Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been manufactured and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu-Bronze
- Stainless Steel

Construction
- Replaceable

Seat
- Replaceable
- Other seats upon request

Operation
- 15° Notch hand lever
- Other operations upon request

Threading
- UNC
- Whitworth

Drilling
- PN 10
- PN 20
- PN 25
  ANSI 150

PN
- PN 10
- PN 20
- PN 25

Size
- DN 40+

Product Information

Product code	Size	ØD	H	H1	P.C.D	N-m	a°	C	L	L1	L2	L3	L4	L5	ØV	N-ØD	F	V	Q	Kg	OTV *(N.m)*	BTV *(N.m)*	Gearbox		
																							Output N-M	Ratio	N° of turns
FLANU30150MDVEPV1623	150	285	226	139	Ø240	-	22.5°	65	56	-	-	-	-	-	135	8-Ø23	154	-	-	23	102	291	200	24:1	6
FLANU30200MDVEPV1623	200	340	260	175	Ø295	-	15°	77	60	-	-	-	-	-	285	12-Ø23	225	-	-	33	192	465	500	30:1	7.5
FLANU30250MDVEPV1623	250	405	292	203	Ø355	-	15°	77	68	-	-	-	-	-	285	12-Ø28	225	-	-	55	323	993	500	30:1	7.5
FLANU30300MDVEPV1623	300	460	313	242	Ø410	-	15°	80	78	-	-	-	-	-	285	12-Ø28	215	-	-	75	490	1360	1200	50:1	12.5
FLANU30350MDVEPV1623	350	520	368	263	Ø470	-	11.25°	80	78	-	-	-	-	-	285	16-Ø28	215	-	-	85	625	1360	1200	50:1	12.5
FLANU30400MDVEPV1623	400	580	400	297	Ø525	4-M27	11.25°	99	102	-	-	-	-	-	385	12-Ø31	277	-	-	130	846	2356	1800	80:1	20
FLANU30450MDVEPV1623	450	640	422	315	Ø585	4-M27	9°	99	114	-	-	-	-	-	385	16-Ø31	277	-	-	200	1131	3394	1800	80:1	20
FLANU30500MDVEPV1623	500	715	480	380	Ø650	4-M30	9°	-	127	107	100	156	168	107	285	16-Ø34	-	190	335.0	260	1431	4120	2500	506:1	140
FLANU30600MDVEPV1623	600	840	562	444	Ø770	4-M33	9°	-	154	131	125	160	224	146	385	16-Ø37	-	280	420.0	400	2301	6781	4000	640:1	160
FLANU30650MDVEPV1623	650	870	524	476	Ø790	4-M33	7.5°		172	173	162	197	244	173	425	20-Ø37	-	255	435.0	470	3800	10961	8000	704:1	176
FLANU30700MDVEPV1623	700	910	560	450	Ø840	4-M33	7.5°	-	165	173	162	197	244	173	425	20-Ø37	-	290	455.0	500	4253	10961	8000	704:1	176
FLANU30750MDVEPV1623	750	995	660	559	Ø927	4-M33	7.5°		165	173	146	200	224	146	425	20-Ø37	-	280	497.5	485	4980	10961	8000	704:1	176
FLANU30800MDVEPV1623	800	1025	626	539	Ø950	4-M36	7.5°	-	190	173	162	197	244	173	425	20-Ø41	-	350	512.5	600	5600	10961	8000	704:1	176
FLANU30900MDVEPV1623	900	1125	720	656	Ø1050	4-M36	6.4°	-	203	201	196	203	280	201	425	24-Ø41	-	380	526.5	750	6834	18188	15000	704:1	176
FLANU31000MDVEPV1623	1000	1255	800	700	Ø1270	4-M39	5.6°	-	216	201	196	203	280	201	425	24-Ø42	-	425	627.5	950	11603	26477	15000	704:1	176
FLANU31100MDVEPV1623	1100	1355	826	751	Ø1270	4-M39	5.6°		254	185	240	210	310	255	425	28-Ø44	-	460	685.0	1100	14000	26477	25000	850:1	212.5
FLANU31200MDVEPV1623	1200	1485	938	869	Ø1390	4-M45	5.6°	-	276	185	240	210	310	255	425	28-Ø50	-	500	742.5	1300	16321	49909	25000	850:1	212.5

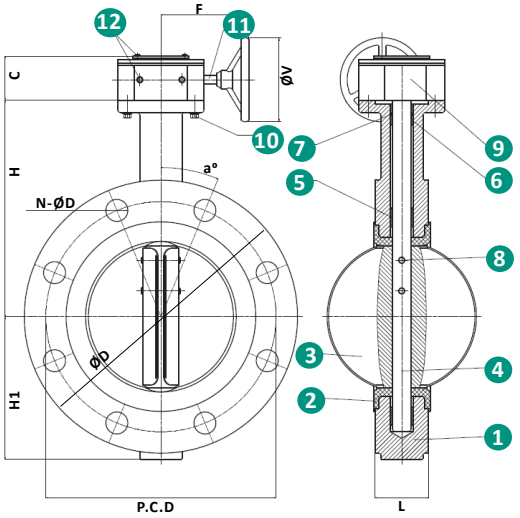
Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value

FIVC Butterfly Valve

Ductile Iron – PN 16 – U-Flanged – Gearbox – Vulcanized - w/Pin – EN 1092-2

Dimensions

DN 150-350

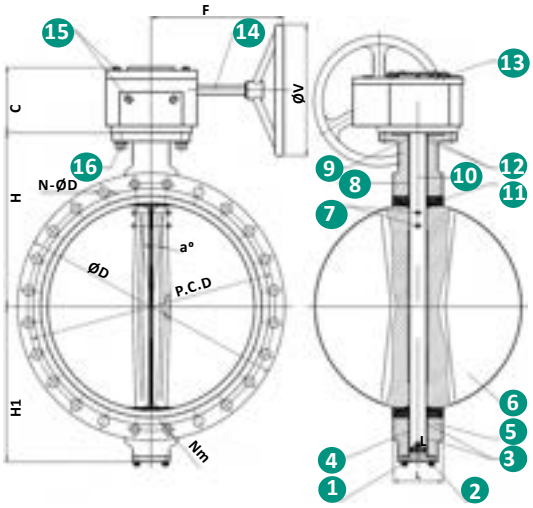


Product Specification

DN 150-350

N°	Name	Material
1	Body	Ductile Iron GGG40
2	Seat	EPDM (Vulcanized)
3	Disc	Ductile Iron GGG40
4	Stem	Stainless Steel 431
5	Bushing (long)	Copper
6	Bushing (short)	Copper
7	O-Ring	NBR rubber
8	Taper Pin	Stainless Steel 316
9	Gearbox	Ductile Iron GGG40
10	Bolts	Stainless Steel 316
11	Input shaft	Stainless Steel 304
12	Bolts	Stainless Steel 304

DN 400-450



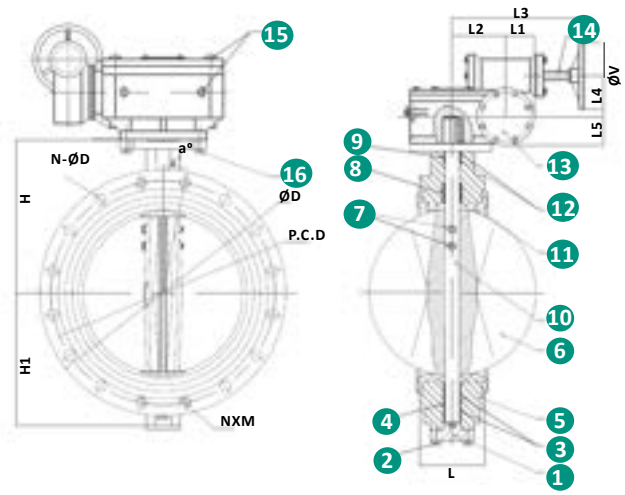
DN 400-450

N°	Name	Material
1	Cover	Ductile Iron GGG40
2	Bolts	Stainless Steel 316
3	Bushing	Copper
4	O-Ring	NBR rubber
5	Body	Ductile Iron GGG40
6	Disc	Ductile Iron GGG40
7	Taper Pin	Stainless Steel 316
8	Bushing	Copper
9	O-Ring	NBR rubber
10	Stem	Stainless Steel 431
11	Seat	EPDM (Vulcanized)
12	Bushing	Copper
13	Gear box	Ductile Iron GGG40
14	Input shaft	Stainless Steel 304
15	Bolts	Stainless Steel 304
16	Bolts	Stainless Steel 316

FIVC Butterfly Valve

Ductile Iron – PN 16 – U-Flanged – Gearbox – Vulcanized - w/Pin – EN 1092-2

DN 500-1200

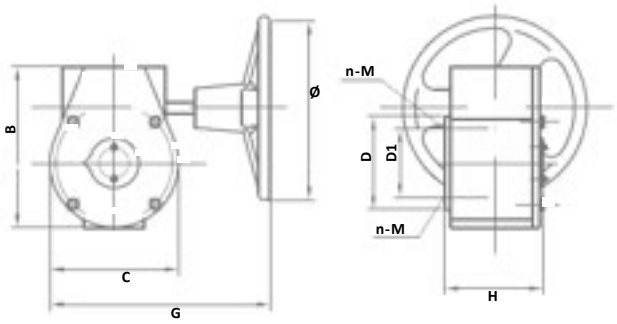


DN 500-1200

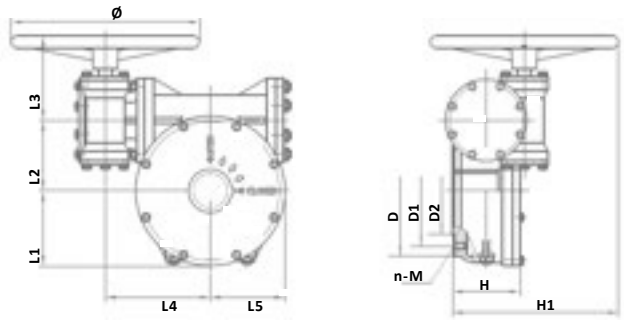
N°	Name	Material
1	Cover	Ductile Iron GGG40
2	Bolts	Stainless Steel 316
3	Bushing	Copper
4	O-Ring	NBR rubber
5	Body	Ductile Iron GGG40
6	Disc	Ductile Iron GGG40
7	Taper Pin	Stainless Steel 316
8	Bushing	Copper
9	O-Ring	NBR rubber
10	Stem	Stainless Steel 431
11	Seat	EPDM (Vulcanized)
12	Bushing	Copper
13	Gear box	Ductile Iron GGG40
14	Input shaft	Stainless Steel 304
15	Bolts	Stainless Steel 304
16	Bolts	Stainless Steel 316

Gearbox Specification

DN 150-450



DN 500-1200



Gearbox Dimensions

DN 150-450

Valve size (DN)	B	C	D	D1	H	G	Φ
150	125	102	90	50/70	65	203	135
200/250	167	141	90/125	70/102	79	295	285
300/350	188	152	125/175	102/140	80	291	285
400/450	279	247	210	165	109	336	390

**Dimensions are in millimeters*

Gearbox Dimensions

DN 500-1200

Valve size (DN)	L2	L1	L3	D	D1	D2	H	H1	L4	L5	Φ	n-M
500	100	107	156	210	165	130	125	271	168	107	285	4-M20
600	125	131	160	210	165	130	136	330	193	131	385	4-M20
700-800	140	146	197	300	254	200	149	378	230	146	425	8-M16
900-1000	162	173	197	300	254	200	155	377	246	173	425	8-M16
1100-1200	240	185	203	350	298	230	194	399	303	251	425	8-M20

**Dimensions are in millimeters*

FIVC Butterfly Valve

Ductile Iron – PN 10 – U-Flanged – Gearbox – Replaceable - w/Pin – EN 1092-2



FLANU series

Technical data

Main features and materials

• Body:	Ductile Iron	
• Disc:	Ductile Iron	
• Pin:	Stainless Steel	
• Stem:	Stainless Steel	
• Seat:	EPDM Replaceable	
• Operation:	Gearbox in Ductile Iron	
• Coating:	RAL 5015 *(thickness 250 micron)*	
• Standard:	Standard acc. to BS EN 593	
• Dimensions:	Face-to-Face acc. to BS EN 558 *(series 20)*	
• Type:	Drilling:	PN 10
• Testing:	Shell pressure:	1.5 MPa
	Seal pressure:	1.1 MPa
• Tests:	Inspection test acc. to BS EN 12266-1	

Field of applications

• Temperature range:	-15 to 120 °C
• Max. working pressure:	10 bar

- Petrochemical industry
- Irrigation systems
- Mining and infrastructure industries
- Shipyard industry
- Compressed air
- Textile industry
- Mechanical industry
- Steam applications
- Other various industries

Description

FIVC Flanged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions.

Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu-Bronze
- Stainless Steel

Construction
- Vulcanized

Seat
- Vulcanized
- Other seats upon request

Operation
- 15° Notch hand lever
- Other operations upon request

Threading
- UNC
- Whitworth

Drilling
- PN 16
- PN 20
- PN 25
- ANSI 150

PN
- PN 16
- PN 20
- PN 25

Size
- DN 40+

Product Information

Product code	Size (DN)	ØD	H	H1	P.C.D	N-m	a°	C	L	L1	L2	L3	L4	L5	ØV	N-ØD	F	Kg	OTV (N.m)	BTV (N.m)	Gearbox		
																					Output N-M	Ratio	N° of turns
FLANU30150MDVEPR1015	150	285	226	139	Ø240	-	22.5°	65	56	-	-	-	-	-	135	8-Ø23	154	23	102	291	200	24:1	6
FLANU30200MDVEPR1015	200	340	260	175	Ø295	-	22.5°	77	60	-	-	-	-	-	285	8-Ø23	225	33	192	465	500	30:1	7.5
FLANU30250MDVEPR1015	250	405	292	203	Ø350	-	15°	77	68	-	-	-	-	-	285	12-Ø23	225	55	323	993	500	30:1	7.5
FLANU30300MDVEPR1015	300	460	313	242	Ø400	-	15°	80	78	-	-	-	-	-	285	12-Ø23	215	75	490	1360	1200	50:1	12.5
FLANU30350MDVEPR1015	350	520	368	263	Ø460	-	11.25°	80	78	-	-	-	-	-	285	16-Ø23	215	85	625	1360	1200	50:1	12.5
FLANU30400MDVEPR1015	400	565	400	297	Ø515	4-M24	11.25°	99	102	-	-	-	-	-	385	12-Ø28	277	130	846	2356	1800	80:1	20
FLANU30450MDVEPR1015	450	615	422	315	Ø565	4-M24	9°	99	114	-	-	-	-	-	385	16-Ø28	277	200	1131	3394	1800	80:1	20
FLANU30500MDVEPR1015	500	670	460	360	Ø620	4-M24	9°	-	127	107	100	156	168	107	285	16-Ø28	-	260	1431	4120	2500	506:1	140
FLANU30600MDVEPR1015	600	780	520	430	Ø725	4-M27	9°	-	154	131	125	160	224	146	385	16-Ø31	-	400	2301	6781	4000	640:1	160
FLANU30700MDVEPR1015	700	895	629	512	Ø840	4-M27	7.5°	-	165	173	162	197	244	173	425	20-Ø31	-	500	4253	10961	8000	704:1	176
FLANU30800MDVEPR1015	800	1015	666	576	Ø950	4-M30	7.5°	-	190	173	162	197	244	173	425	20-Ø34	-	600	5600	10961	8000	704:1	176
FLANU30900MDVEPR1015	900	1115	720	636	Ø1050	4-M30	6.4°	-	203	201	196	203	280	201	425	24-Ø34	-	750	6834	18188	15000	704:1	176
FLANU31000MDVEPR1015	1000	1230	800	700	Ø1160	4-M33	6.4°	-	216	201	196	203	280	201	425	24-Ø37	-	950	11603	26477	15000	704:1	176
FLANU31100MDVEPR1015	1100	1340	826	741	Ø1270	4-M33	5.6°		254	185	240	210	310	255	425	28-Ø37	-	1100	14000	26477	25000	850:1	212.5
FLANU31200MDVEPR1015	1200	1455	941	844	Ø1380	4-M36	5.6°	-	276	185	240	210	310	255	425	28-Ø41	-	1300	16321	49909	25000	850:1	212.5

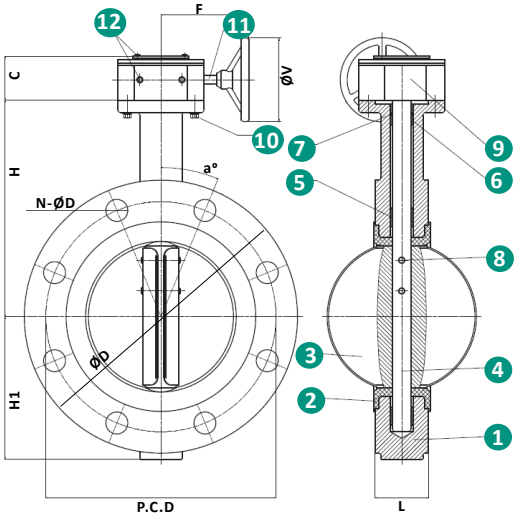
Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value

FIVC Butterfly Valve

Ductile Iron – PN 10 – U-Flanged – Gearbox – Replaceable - w/Pin – EN 1092-2

Dimensions

DN 150-350

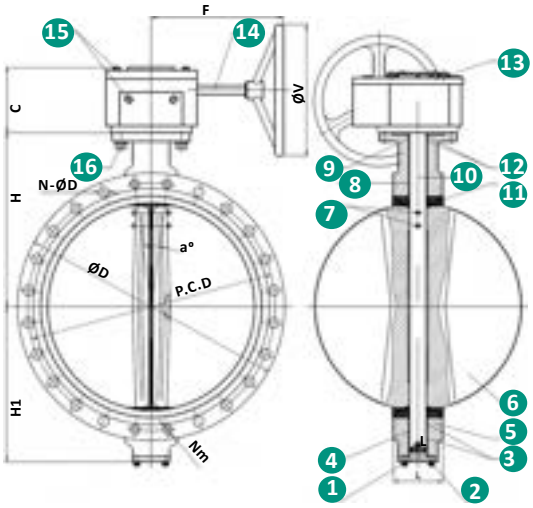


Product Specification

DN 150-350

N°	Name	Material
1	Body	Ductile Iron GGG40
2	Seat	EPDM (Replaceable)
3	Disc	Ductile Iron GGG40
4	Stem	Stainless Steel 431
5	Bushing (long)	Copper
6	Bushing (short)	Copper
7	O-Ring	NBR rubber
8	Pin	Stainless Steel 316
9	Gearbox	Ductile Iron GGG40
10	Bolts	Stainless Steel 316
11	Input shaft	Stainless Steel 304
12	Bolts	Stainless Steel 304

DN 400-450



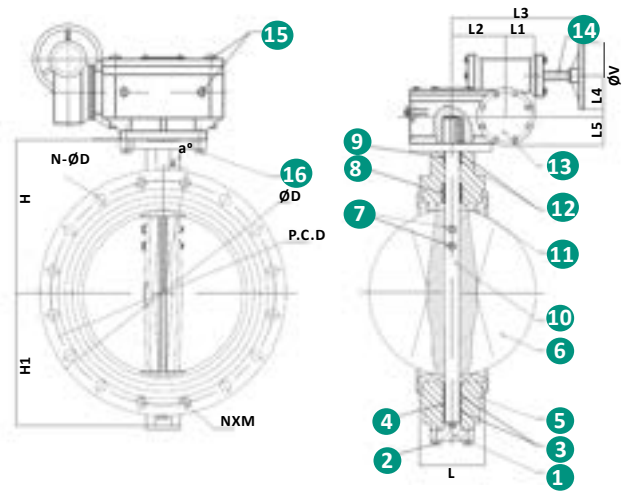
DN 400-450

N°	Name	Material
1	Cover	Ductile Iron GGG40
2	Bolts	Stainless Steel 316
3	Bushing	Copper
4	O-Ring	NBR rubber
5	Body	Ductile Iron GGG40
6	Disc	Ductile Iron GGG40
7	Pin	Stainless Steel 316
8	Bushing	Copper
9	O-Ring	NBR rubber
10	Stem	Stainless Steel 431
11	Seat	EPDM (Replaceable)
12	Bushing	Copper
13	Gear box	Ductile Iron GGG40
14	Input shaft	Stainless Steel 304
15	Bolts	Stainless Steel 304
16	Bolts	Stainless Steel 316

FIVC Butterfly Valve

Ductile Iron – PN 10 – U-Flanged – Gearbox – Replaceable - w/Pin – EN 1092-2

DN 500-1200

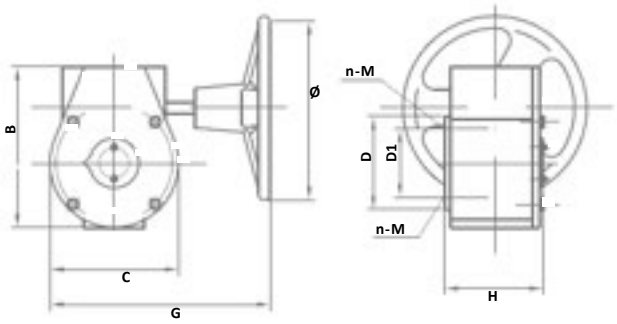


DN 500-1200

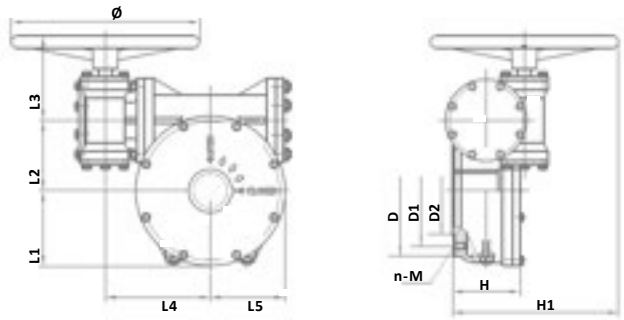
N°	Name	Material
1	Cover	Ductile Iron GGG40
2	Bolts	Stainless Steel 316
3	Bushing	Copper
4	O-Ring	NBR rubber
5	Body	Ductile Iron GGG40
6	Disc	Ductile Iron GGG40
7	Pin	Stainless Steel 316
8	Bushing	Copper
9	O-Ring	NBR rubber
10	Stem	Stainless Steel 431
11	Seat	EPDM (Replaceable)
12	Bushing	Copper
13	Gear box	Ductile Iron GGG40
14	Input shaft	Stainless Steel 304
15	Bolts	Stainless Steel 304
16	Bolts	Stainless Steel 316

Gearbox Specification

DN 150-450



DN 500-1200



Gearbox Dimensions

DN 150-450

Valve size *(DN)*	B	C	D	D1	H	G	Φ
150	125	102	90	50/70	65	203	135
200/250	167	141	90/125	70/102	79	295	285
300/350	188	152	125/175	102/140	80	291	285
400/450	279	247	210	165	109	336	390

**Dimensions are in millimeters*

Gearbox Dimensions

DN 500-1200

Valve size *(DN)*	L2	L1	L3	D	D1	D2	H	H1	L4	L5	Φ	n-M
500	100	107	156	210	165	130	125	271	168	107	285	4-M20
600	125	131	160	210	165	130	136	330	193	131	385	4-M20
700-800	140	146	197	300	254	200	149	378	230	146	425	8-M16
900-1000	162	173	197	300	254	200	155	377	246	173	425	8-M16
1100-1200	240	185	203	350	298	230	194	399	303	251	425	8-M20

**Dimensions are in millimeters*

FIVC Butterfly Valve

Ductile Iron – PN 10 – U-Flanged – Gearbox – Vulcanized - w/Pin – EN 1092-2



FLANU series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile Iron
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: EPDM Vulcanized
- Operation: Gearbox in Ductile Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- Standard: Standard acc. to BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 10
- Testing: Shell pressure: 1.5 MPa
  Seal pressure: 1.1 MPa
- Tests: Inspection test acc. to BS EN 12266-1

Field of applications

- Temperature range: -15 to 120 °C
- Max. working pressure: 10 bar

- Petrochemical industry
- Irrigation systems
- Mining and infrastructure industries
- Shipyard industry
- Compressed air
- Textile industry
- Mechanical industry
- Steam applications
- Other various industries

Description

FIVC Flanged Butterfly Valve with its vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high-quality rotational disc, the valve features a quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions. The vulcanized seat ensures that the valve is both suitable for center service and end-of-line service. Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been manufactured and tested in accordance with the European PED Directive Nº 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu-Bronze
- Stainless Steel

Construction
- Replaceable

Seat
- Replaceable
- Other seats upon request

Operation
- 15° Notch hand lever
- Other operations upon request

Threading
- UNC
- Whitworth

Drilling
- PN 16
- PN 20
- PN 25
- ANSI 150

PN
- PN 16
- PN 20
- PN 25

Size
- DN 40+

Product Information

Product code	Size	ØD	H	H1	P.C.D	N-m	a°	C	L	L1	L2	L3	L4	L5	ØV	N-ØD	F	Kg	OTV *(N.m)*	BTV *(N.m)*	Gearbox		
																					Output N-M	Ratio	N° of turns
FLANU30150MDVEPV1015	150	285	226	139	Ø240	-	22.5°	65	56	-	-	-	-	-	135	8-Ø23	154	23	102	291	200	24:1	6
FLANU30200MDVEPV1015	200	340	260	175	Ø295	-	22.5°	77	60	-	-	-	-	-	285	8-Ø23	225	33	192	465	500	30:1	7.5
FLANU30250MDVEPV1015	250	405	292	203	Ø350	-	15°	77	68	-	-	-	-	-	285	12-Ø23	225	55	323	993	500	30:1	7.5
FLANU30300MDVEPV1015	300	460	313	242	Ø400	-	15°	80	78	-	-	-	-	-	285	12-Ø23	215	75	490	1360	1200	50:1	12.5
FLANU30350MDVEPV1015	350	520	368	263	Ø460	-	11.25°	80	78	-	-	-	-	-	285	16-Ø23	215	85	625	1360	1200	50:1	12.5
FLANU30400MDVEPV1015	400	565	400	297	Ø515	4-M24	11.25°	99	102	-	-	-	-	-	385	12-Ø28	277	130	846	2356	1800	80:1	20
FLANU30450MDVEPV1015	450	615	422	315	Ø565	4-M24	9°	99	114	-	-	-	-	-	385	16-Ø28	277	200	1131	3394	1800	80:1	20
FLANU30500MDVEPV1015	500	670	460	360	Ø620	4-M24	9°	-	127	107	100	156	168	107	285	16-Ø28	-	260	1431	4120	2500	506:1	140
FLANU30600MDVEPV1015	600	780	520	430	Ø725	4-M27	9°	-	154	131	125	160	224	146	385	16-Ø31	-	400	2301	6781	4000	640:1	160
FLANU30700MDVEPV1015	700	895	629	512	Ø840	4-M27	7.5°	-	165	173	162	197	244	173	425	20-Ø31	-	500	4253	10961	8000	704:1	176
FLANU30800MDVEPV1015	800	1015	666	576	Ø950	4-M30	7.5°	-	190	173	162	197	244	173	425	20-Ø34	-	600	5600	10961	8000	704:1	176
FLANU30900MDVEPV1015	900	1115	720	636	Ø1050	4-M30	6.4°	-	203	201	196	203	280	201	425	24-Ø34	-	750	6834	18188	15000	704:1	176
FLANU31000MDVEPV1015	1000	1230	800	700	Ø1160	4-M33	6.4°	-	216	201	196	203	280	201	425	24-Ø37	-	950	11603	26477	15000	704:1	176
FLANU31100MDVEPV1015	1100	1340	826	741	Ø1270	4-M33	5.6°		254	185	240	210	310	255	425	28-Ø37	-	1100	14000	26477	25000	850:1	212.5
FLANU31200MDVEPV1015	1200	1455	941	844	Ø1380	4-M36	5.6°	-	276	185	240	210	310	255	425	28-Ø41	-	1300	16321	49909	25000	850:1	212.5

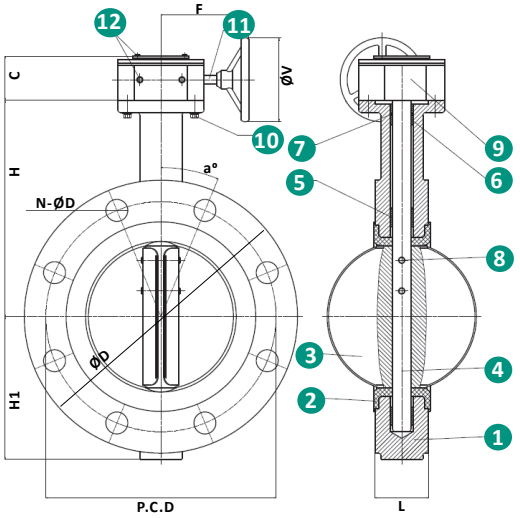
Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value

FIVC Butterfly Valve

Ductile Iron – PN 10 – U-Flanged – Gearbox – Vulcanized - w/Pin – EN 1092-2

Dimensions

DN 150-350

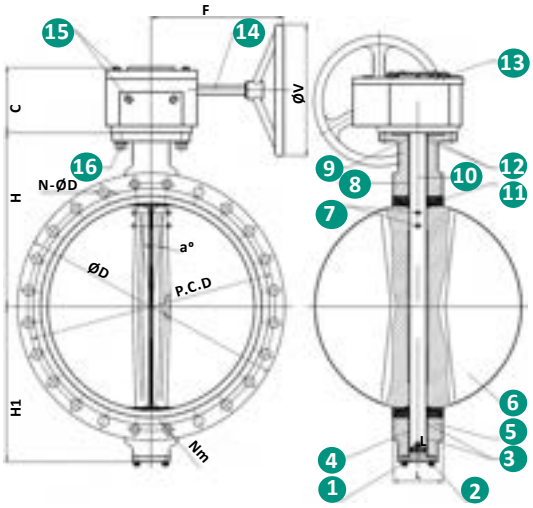


Product Specification

DN 150-350

N°	Name	Material
1	Body	Ductile Iron GGG40
2	Seat	EPDM (Vulcanized)
3	Disc	Ductile Iron GGG40
4	Stem	Stainless Steel 431
5	Bushing (long)	Copper
6	Bushing (short)	Copper
7	O-Ring	NBR rubber
8	Pin	Stainless Steel 316
9	Gearbox	Ductile Iron GGG40
10	Bolts	Stainless Steel 316
11	Input shaft	Stainless Steel 304
12	Bolts	Stainless Steel 304

DN 400-450



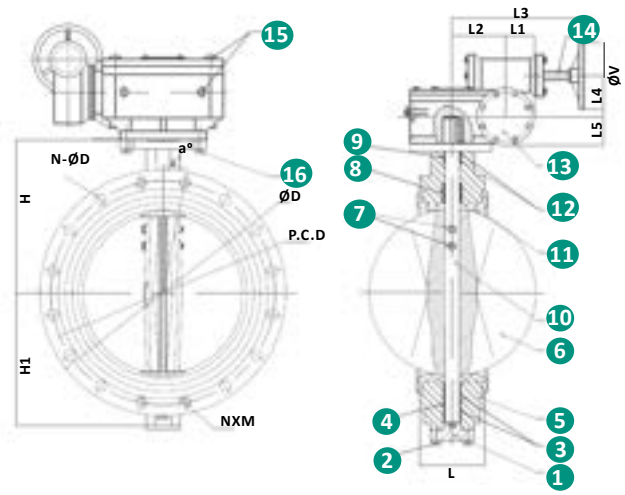
DN 400-450

N°	Name	Material
1	Cover	Ductile Iron GGG40
2	Bolts	Stainless Steel 316
3	Bushing	Copper
4	O-Ring	NBR rubber
5	Body	Ductile Iron GGG40
6	Disc	Ductile Iron GGG40
7	Pin	Stainless Steel 316
8	Bushing	Copper
9	O-Ring	NBR rubber
10	Stem	Stainless Steel 431
11	Seat	EPDM (Vulcanized)
12	Bushing	Copper
13	Gear box	Ductile Iron GGG40
14	Input shaft	Stainless Steel 304
15	Bolts	Stainless Steel 304
16	Bolts	Stainless Steel 316

FIVC Butterfly Valve

Ductile Iron – PN 10 – U-Flanged – Gearbox – Vulcanized - w/Pin – EN 1092-2

DN 500-1200

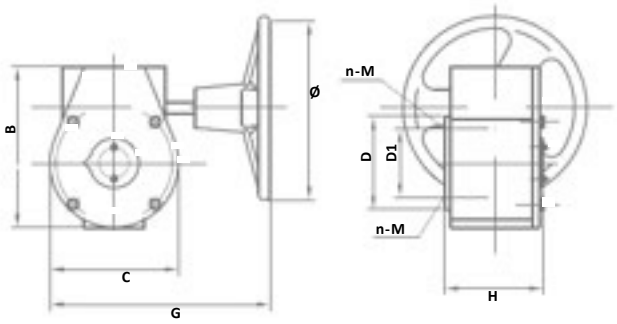


DN 500-1200

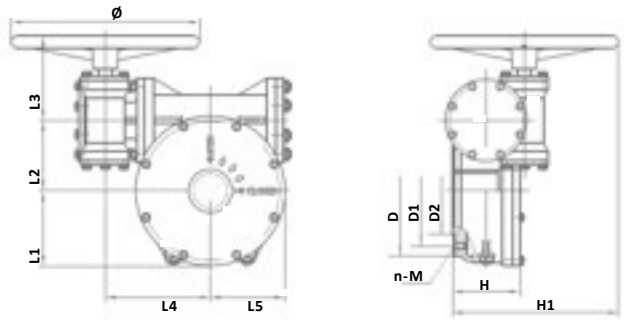
N°	Name	Material
1	Cover	Ductile Iron GGG40
2	Bolts	Stainless Steel 316
3	Bushing	Copper
4	O-Ring	NBR rubber
5	Body	Ductile Iron GGG40
6	Disc	Ductile Iron GGG40
7	Pin	Stainless Steel 316
8	Bushing	Copper
9	O-Ring	NBR rubber
10	Stem	Stainless Steel 431
11	Seat	EPDM (Vulcanized)
12	Bushing	Copper
13	Gear box	Ductile Iron GGG40
14	Input shaft	Stainless Steel 304
15	Bolts	Stainless Steel 304
16	Bolts	Stainless Steel 316

Gearbox Specification

DN 150-450



DN 500-1200



Gearbox Dimensions

DN 150-450

Valve size (DN)	B	C	D	D1	H	G	Φ
150	125	102	90	50/70	65	203	135
200/250	167	141	90/125	70/102	79	295	285
300/350	188	152	125/175	102/140	80	291	285
400/450	279	247	210	165	109	336	390

**Dimensions are in millimeters*

Gearbox Dimensions

DN 500-1200

Valve size (DN)	L2	L1	L3	D	D1	D2	H	H1	L4	L5	Φ	n-M
500	100	107	156	210	165	130	125	271	168	107	285	4-M20
600	125	131	160	210	165	130	136	330	193	131	385	4-M20
700-800	140	146	197	300	254	200	149	378	230	146	425	8-M16
900-1000	162	173	197	300	254	200	155	377	246	173	425	8-M16
1100-1200	240	185	203	350	298	230	194	399	303	251	425	8-M20

**Dimensions are in millimeters*

FIVC Butterfly Valve

Ductile Iron – PN 16 – U-flanged – Gearbox – Replaceable – Pinless – EN 1092-2



FLANU series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile Iron
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Gearbox in Ductile Iron
- Coating: Epoxy
- USP: Maintenance and installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face acc. to EN 558-1 (Ser.20)
  DIN 3202 T3 K1 - ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16 / Metric
  Shaft: SS AISI 420
- Tests: Hydraulic test acc. to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- General services
- HVAC

Description

FIVC U-flanged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.
Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can by its high quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

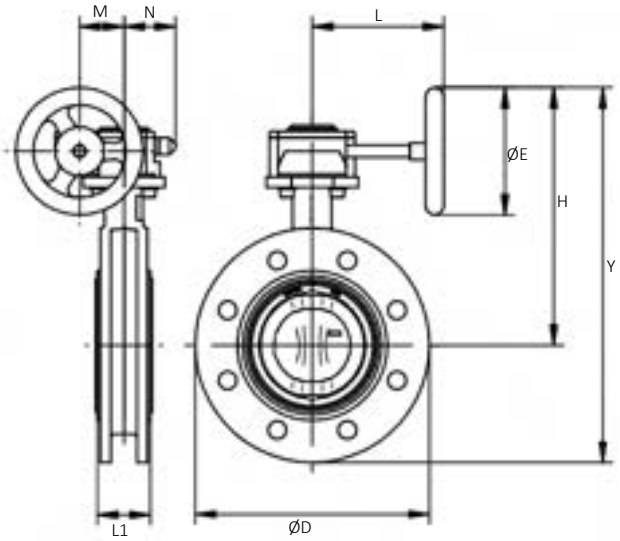
The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc	Construction	Seat	Operation
• Stainles Steel • Alu-Bronze	• w/Pin	• Vulcanized • Other seats upon request	• 15° notch hand-lever • Gearbox • Other operations upon request

Drilling	PN	Size
• PN 20 • PN 25 • ANSI 150	• PN 20 (w/pin) • PN 25 (w/pin)	• DN 40+

Dimensions

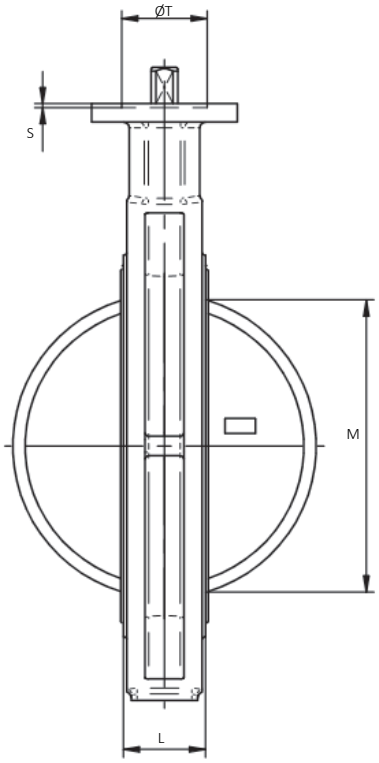


Product code	Size (DN)	L1	D	E	H	Y	L	M	N	Kg
FLANU30080MDVENR1603	80	46	200	125	229	329	129	43.5	50.5	6.6
FLANU30100MDVENR1603	100	52	230	125	253	368	129	43.5	50.5	8.3
FLANU30125MDVENR1603	125	56	255	160	286	413	135	43.5	50.5	10.9
FLANU30150MDVENR1603	150	56	285	160	298	441	135	43.5	50.5	12.5
FLANU30200MDVENR1603	200	60	345	200	355	528	152	52.5	59	21.0
FLANU30250MDVENR1603	250	68	406	250	442	652	222	61.2	70.5	34.2
FLANU30300MDVENR1603	300	78	480	250	468	708	222	61.2	70.5	48.7
FLANU30350MDVENR1603	350	78	535	250	498	770	222	61.2	70.5	58.5
FLANU30400MDVENR1603	400	102	597	300	572	880	277	68.8	72.5	89
FLANU30450MDVENR1603	450	114	640	400	630	970	321	96.5	91.5	119
FLANU30500MDVENR1603	500	127	700	400	682	1062	321	96.5	91.5	156
FLANU30600MDVENR1603	600	154	834	500	798	1239	408	138	140	255
FLANU30700MDVENR1603	700	165	927	600	914	1400	456	138	140	320
FLANU30750MDVENR1603	750	190	995	600	944	1474	456	138	140	393
FLANU30800MDVENR1603	800	190	1060	700	1044	1608	510	180	156	456
FLANU30900MDVENR1603	900	203	1170	700	1108	1718	510	180	156	573
FLANU31000MDVENR1603	1000	216	1290	700	1184	1858	579	180	156	754
FLANU31050MDVENR1603	1050	216	1346	700	1184	1858	579	180	156	843
FLANU31100MDVENR1603	1100	216	1405	700	1250	1983	593	252	228	1056
FLANU31200MDVENR1603	1200	254	1485	700	1310	2128	593	252	228	1270
FLANU31400MDVENR1603	1400	280	1735	700	1435	2404	593	252	228	1782
FLANU31500MDVENR1603	1500	318	1855	700	1510	2560	593	252	228	2317
FLANU31600MDVENR1603	1600	318	1930	700	1550	2640	593	252	228	2359

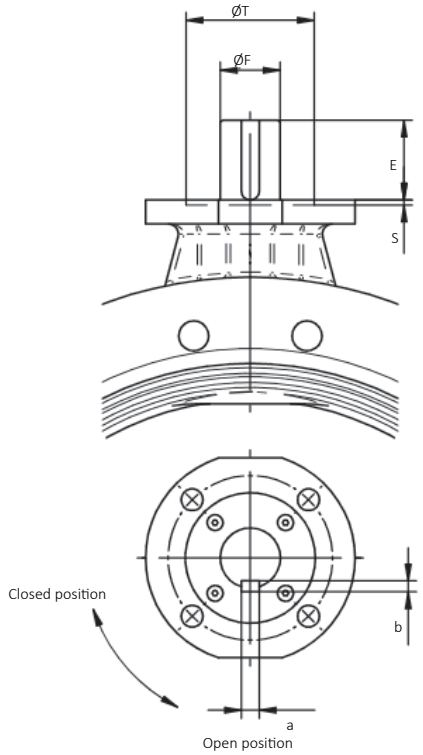
Dimensions

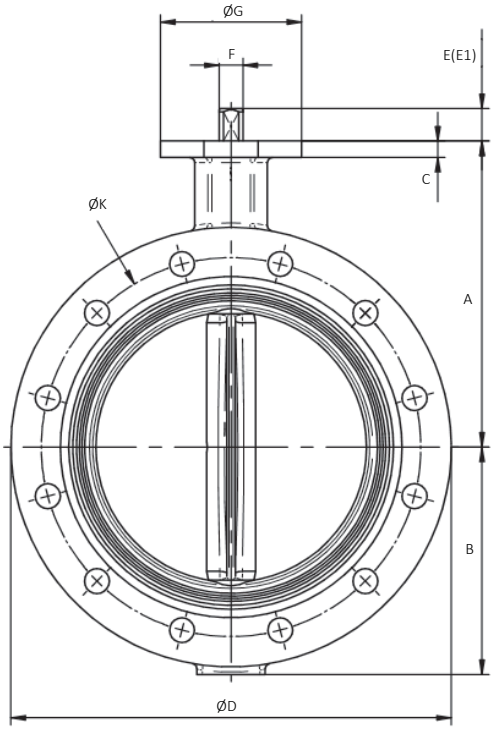
Bare shaft

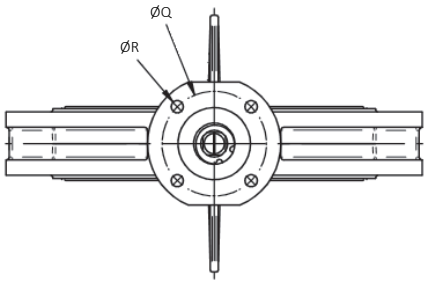
DN 80/500



DN 600/1600







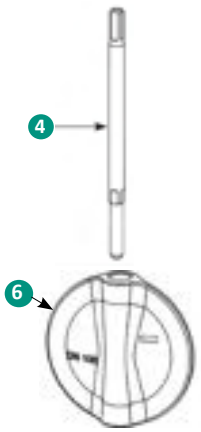
* E1- Short shaft on request

FIVC Butterfly Valve

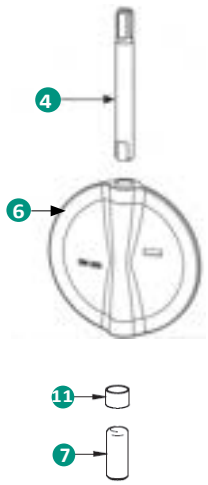
Ductile Iron – PN 16 – U-flanged – Gearbox – Replaceable – Pinless – EN 1092-2

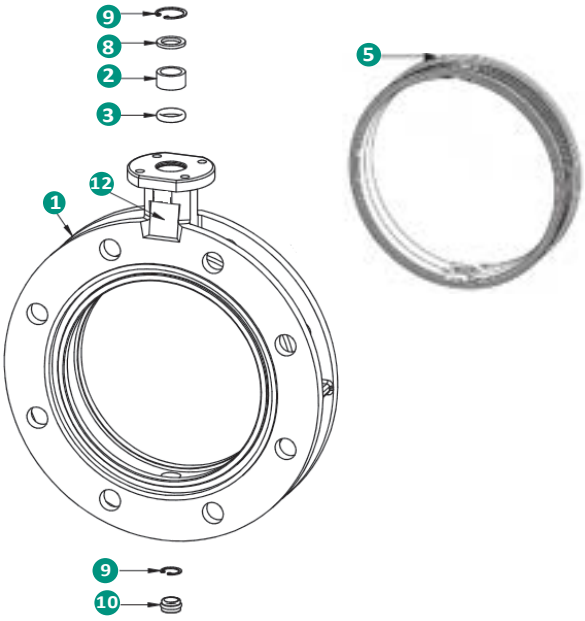
Product Specification

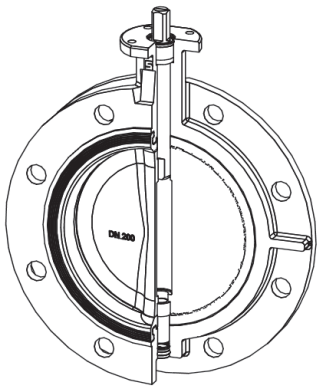
DN 80-100



DN 125-200

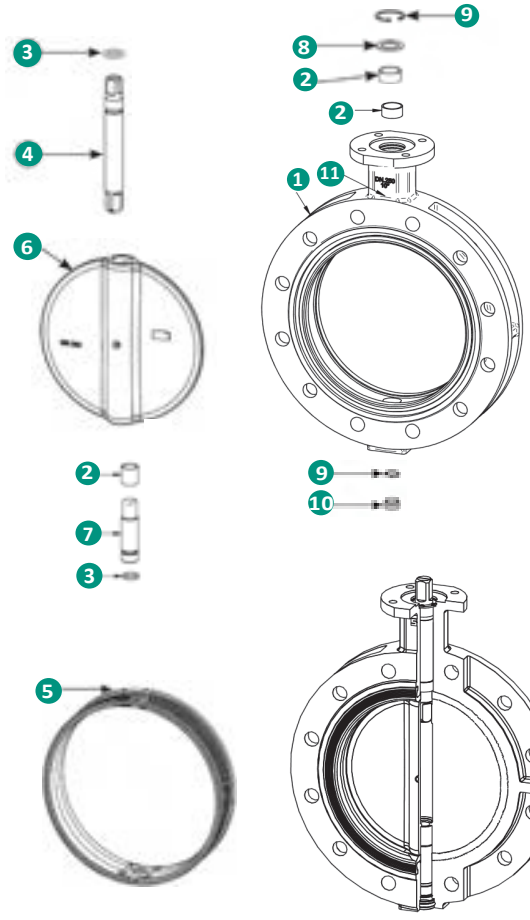






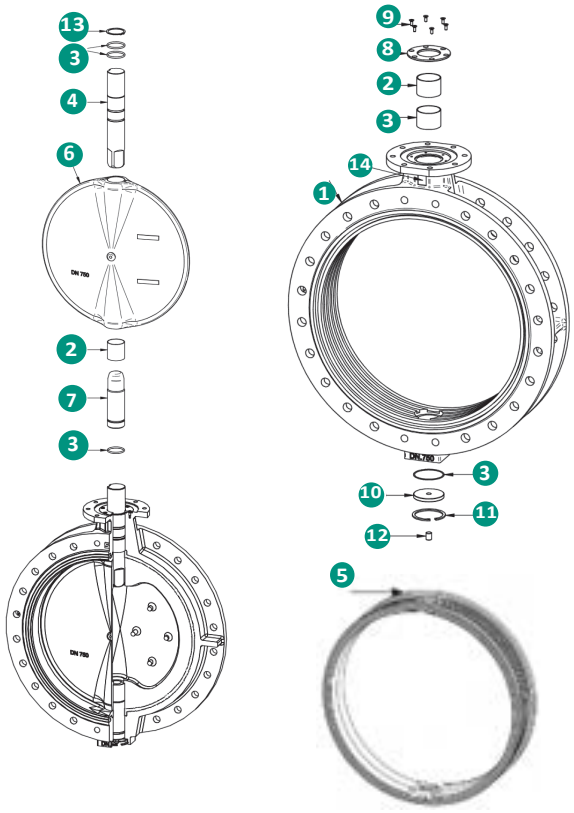
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15, Epoxy
2	Bushing	DN 80-200: Acetal Delrin DN 250-500: Steel, Bronze, PTFE
3	O-Ring	Nitrile
4	Upper Shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Ductile Iron EN-GJS-400-15, Epoxy
7	Lower Shaft	Stainless Steel AISI 420 (DN 125-500)
8	Retaining Ring	Zinc-plated Steel
9	Seeger Ring Body	Zinc-plated Steel DIN 472
10	Lower Plug	EPDM (DN 125 - 500)
11	Bushing	Steel Bronze PTFE
12	Features Tag	Polyester

DN 250-500

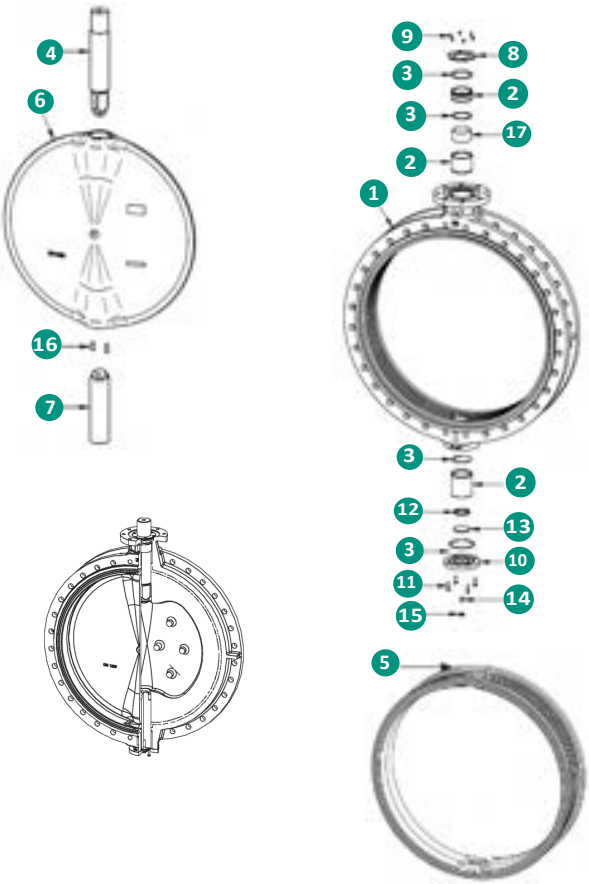


Product Specification

DN 600/1100



DN 1200/1600



DN 600/1100

N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15, Epoxy
2	Bushing	Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper Shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Ductile Iron EN-GJS-400-15, Epoxy
7	Lower Shaft	Stainless Steel AISI 420
8	Upper Cover	Carbon Steel, Epoxy Coated
9	Bolt Upper Cover	Zinc-plated Steel, DIN 7991
10	Lower Cover	Carbon Steel, Epoxy Coated
11	Seeger Ring Body	Zinc-plated Steel DIN 472
12	Screw	Zinc-plated Steel DIN 913 DN 750/1100
13	Retaining Ring Shaft	Zinc-plated Steel DIN 471 DN 600/800
14	Features Tag	Polyester

DN 1200/1600

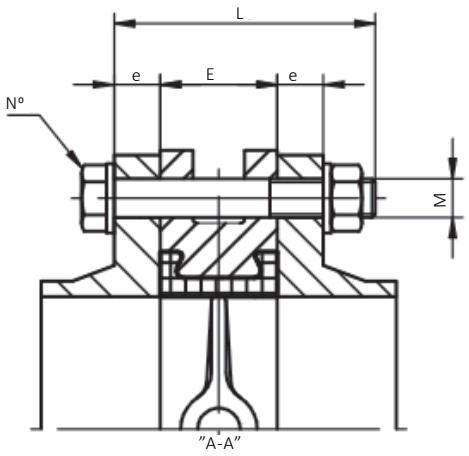
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15, Epoxy
2	Bushing	Bronze/Brass
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Ductile Iron EN-GJS-400-15, Epoxy
7	Lower Shaft	Stainless Steel AISI 420
8	Upper Cover	Carbon Steel, Epoxy Coated
9	Bolt Upper Cover	Zinc-plated Steel DIN 7991
10	Lower Cover	Carbon Steel, Epoxy Coated
11	Bolt Lower Cover	Zinc-plated Steel DIN 931
12	Lower Ring	Bronze/Brass
13	Friction Disc	Zinc-plated Steel
14	Screw	Zinc-plated Steel
15	Nut	Zinc-plated Steel
16	Keyway	Stainless Steel AISI 420
17	Bushing	Steel Bronze PTFE

FIVC Butterfly Valve

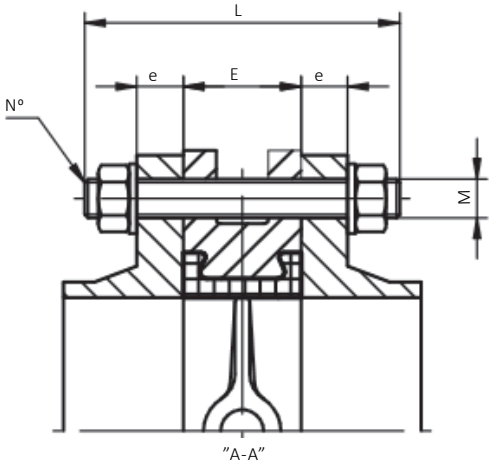
Ductile Iron – PN 16 – U-flanged – Gearbox – Replaceable – Pinless – EN 1092-2

DN 1200/1600

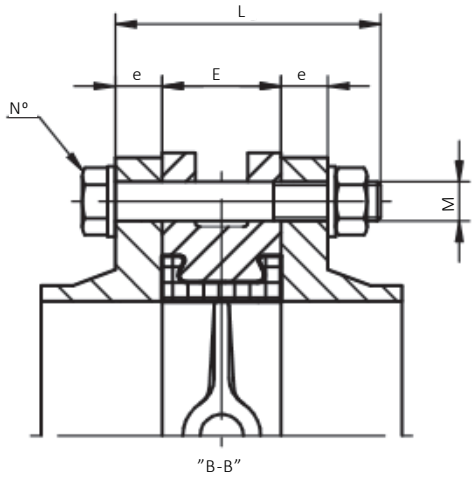
Screw



Link

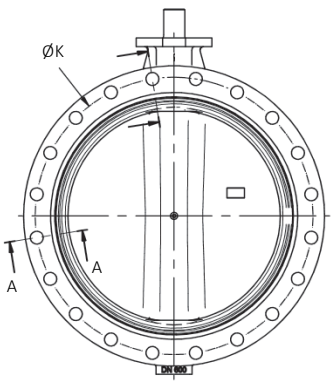


Screw Only



Product code	Size	E	K	e	M	L	L1	N°
FLANU30080MDVENR1603	80	46	160	20	M16	110	130	8
FLANU30100MDVENR1603	100	52	180	20	M16	110	130	8
FLANU30125MDVENR1603	125	56	210	22	M16	120	140	8
FLANU30150MDVENR1603	150	56	240	22	M20	130	150	8
FLANU30200MDVENR1603	200	60	295	24	M20	130	160	12
FLANU30250MDVENR1603	250	68	355	26	M24	150	170	12
FLANU30300MDVENR1603	300	78	410	28	M24	160	180	12
FLANU30350MDVENR1603	350	78	470	30	M24	170	190	16
FLANU30400MDVENR1603	400	102	525	32	M27	200	220	16
FLANU30450MDVENR1603	450	114	585	32	M27	210	240	16
FLANU30500MDVENR1603	500	127	650	34	M30	230	260	20
FLANU30600MDVENR1603	600	154	770	36	M33	260	290	20
FLANU30700MDVENR1603	700	165	840	36	M33	270	300	20
FLANU30750MDVENR1603	750	190	900	38	M33	300	340	20
FLANU30800MDVENR1603	800	190	950	38	M36	310	345	20
FLANU30900MDVENR1603	900	203	1050	40	M36	330	375	24
FLANU31000MDVENR1603	1000	216	1170	42	M39	345	390	24
FLANU31050MDVENR1603	1050	216						
FLANU31100MDVENR1603	1100	216	1270	48	M39	360	400	28
FLANU31200MDVENR1603	1200	254	1390	48	M45	395	445	28
FLANU31400MDVENR1603	1400	280	1590	52	M45	440	490	32
FLANU31500MDVENR1603	1500	318	1710	54	M52	490	550	32
FLANU31600MDVENR1603	1600	318	1820	58	M52	490	550	36

DN 450	PN. 10-PN.16
DN 500	ANSI 150
DN 700/1600	PN. 10-PN.16-ANSI 150



FIVC Butterfly Valve

Ductile Iron – PN 16 – U-Flanged – Gearbox – Replaceable – Pinless – EN 1092-2



FLA series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile Iron
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Gearbox in Ductile Iron
- Coating: Epoxy
- USP: Maintenance and installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face acc. to EN 558-1 *(series 20)*
- Type: Drilling: ANSI 150
  Shaft: SS AISI 420
  Thread: UNC
- Tests: Hydraulic test acc. to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC (Heat Ventilation Air Conditioning)
- General services
- Irrigation
- Shipbuilding
- Powdery products
- Fire fighting

Description

FIVC Flanged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.
Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can by its high quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

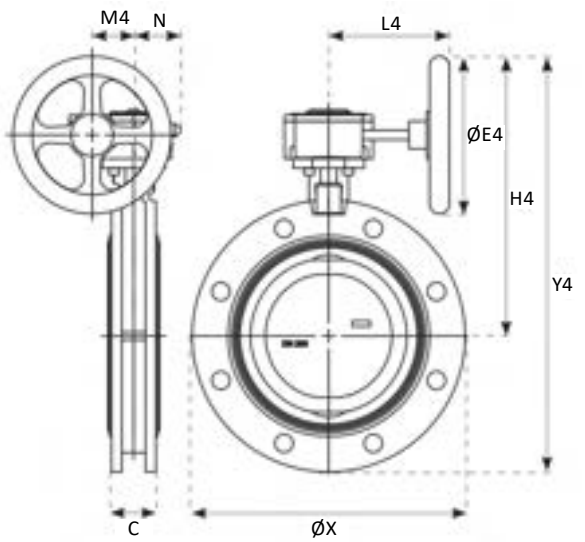
The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc	Construction	Seat	Operation
• Stainless Steel • Alu-Bronze	• w/Pin	• Vulcanized • Other seats upon request	• 15° Notch handlever • Other operations upon request

Threading	Drilling	PN	Size
• Metric • Whitworth	• PN 16 • PN 20 • PN 25	• PN 20 (w/pin) • PN 25 (w/pin)	• DN 40+

Dimensions



Product Information

Product code	Size (DN)	C*	X*	E4*	H4*	Y4*	L4*	M4*	N*	Kg
FLANU30200MDVENR1604	200	60	345	200	355	527	152	52.5	59	21.0
FLANU30250MDVENR1604	250	68	406	250	442.5	652.5	222	61.2	70.5	34.3
FLANU30300MDVENR1604	300	78	480	250	468	708	222	61.2	70.5	48.9
FLANU30350MDVENR1604	350	78	535	250	498.5	766.5	222	61.2	70.5	57.9
FLANU30400MDVENR1604	400	102	597	300	572.5	880.5	278	68.8	72.5	88.1
FLANU30450MDVENR1604	450	114	640	400	630.5	970.5	321	96.5	91.5	118
FLANU30500MDVENR1604	500	127	700	400	682.5	1063	321	96.5	91.5	153
FLANU30600MDVENR1604	600	154	834	500	798.5	1239	408	137.5	140	251
FLANU30700MDVENR1604	700	165	916	600	944.5	1435	424	137.5	140	309
FLANU30750MDVENR1604	750	190	995	600	944.5	1475	456	137.5	140	390
FLANU30800MDVENR1604	800	190	1060	600	984.5	1550	456	137.5	140	436
FLANU30900MDVENR1604	900	203	1170	700	1109	1719	510	180	156	572
FLANU31000MDVENR1604	1000	216	1290	700	1184	1859	579	180	156	771
FLANU31100MDVENR1604	1100	216	1405	700	1229	1962	579	180	156	925
FLANU31200MDVENR1604	1200	254	1485	700	1310	2128	593	252.5	228	1290
FLANU31400MDVENR1604	1400	280	1735	700	1435	2404	593	252.5	228	1852
FLANU31500MDVENR1604	1500	318	1855	700	1510	2560	593	252.5	228	2205
FLANU31600MDVENR1604	1600	318	1930	700	1550	2640	593	252.5	228	2328

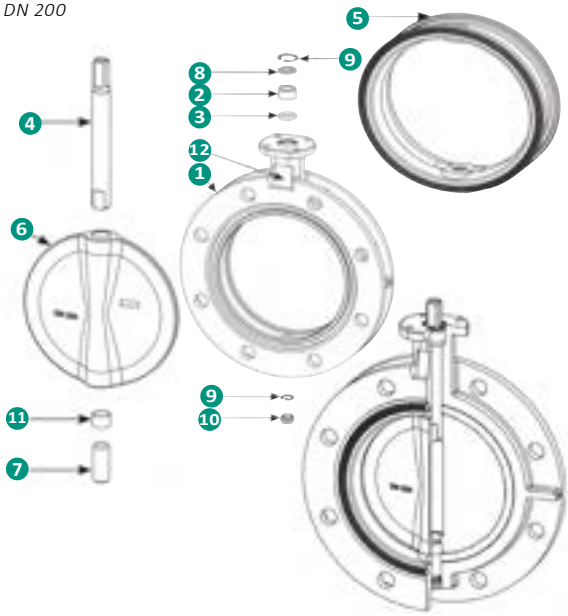
**Dimensions are in millimeters*

FIVC Butterfly Valve

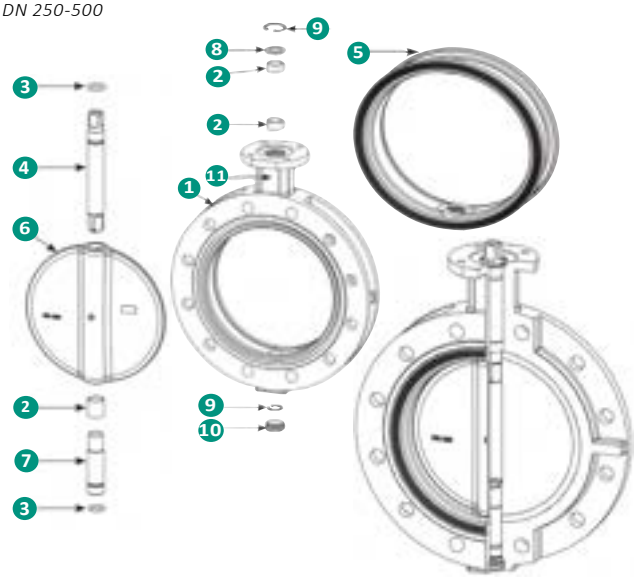
Ductile Iron – PN 16 – U-Flanged – Gearbox – Replaceable – Pinless – EN 1092-2

Product Specification

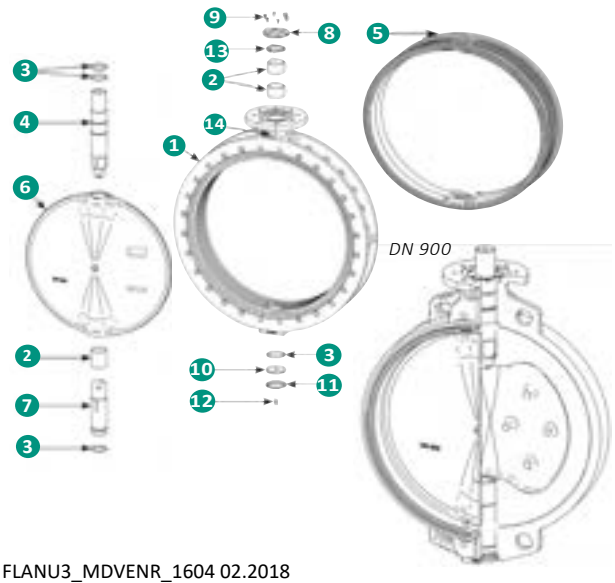
DN 200



DN 250-500



DN 600-1100

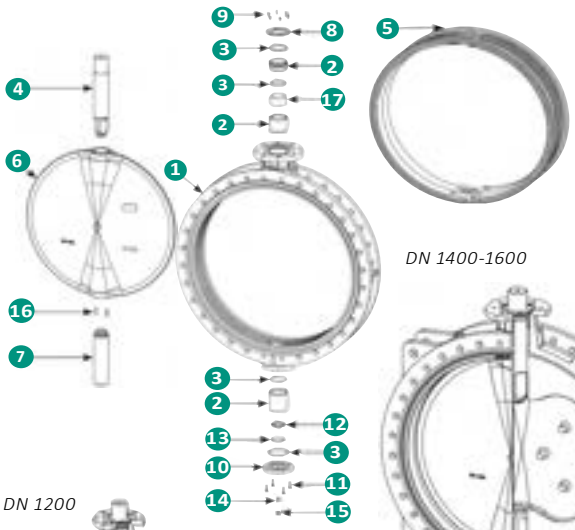


DN 900

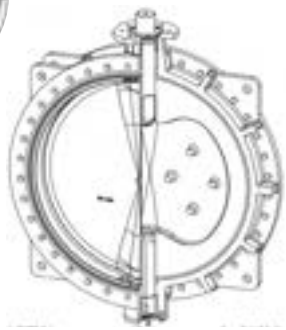
Product Specification

N°	Name	Material
1	Body	Ductile Iron GGG 40 + 120 microns Epoxy coating
2	Bushing	Acetal Delrin
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Ductile Iron GGG 40 + NiChr
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel
10	Lower plug	EPDM
11	Bushing	Steel, Bronze, PTFE
12	Features Tag	Polyester

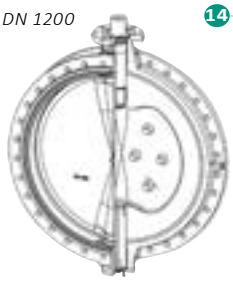
DN 1200-1600



DN 1400-1600



DN 1200



FIVC Butterfly Valve

Ductile Iron – PN 16 – U-flanged – Hand lever – Replaceable – Pinless – EN 1092-2



FLANU series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Hand lever
- Coating: Epoxy
- USP: Maintenance and installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face acc. to EN 558-1 (Ser.20)
  DIN 3202 T3 K1 - ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16 / Metric
  Shaft: SS AISI 420
- Tests: Hydraulic test acc. to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- General services
- HVAC

Description

FIVC U-flanged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high-quality rotational disc, the valve features quick shut-off function. Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance.
Furthermore, the valve can be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Ductile Iron
- Alu-Bronze

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

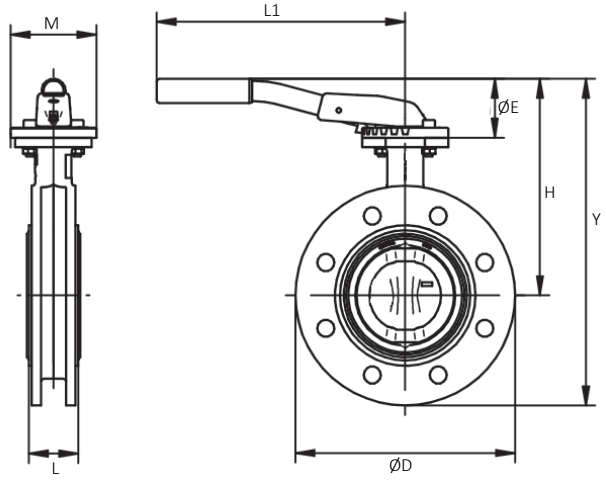
Operation
- 15° notch hand-lever
- Gearbox
- Other operations upon request

Drilling
- PN 20
- PN 25
  ANSI 150

PN
- PN 20 (w/pin)
  PN 25 (w/pin)

Size
- DN 40+

Dimensions



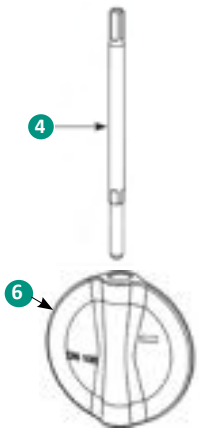
Product code	Size (DN)	L	D	E	H	Y	L1	M	Kg
FLANU50080MNENR1603	80	46	200	60	201	303	260	90	5.8
FLANU50100MNENR1603	100	52	230	60	225	340	260	90	7.6
FLANU50125MNENR1603	125	56	255	75	255	383	315	90	10.1
FLANU50150MNENR1603	150	56	285	75	268	411	315	90	11.6
FLANU50200MNENR1603	200	60	345	75	300	473	315	90	19.0

FIVC Butterfly Valve

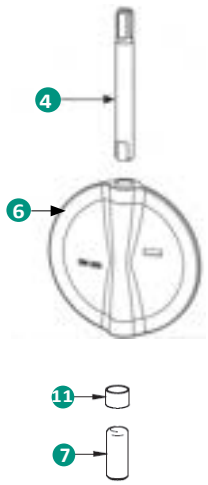
Ductile Iron – PN 16 – U-flanged – Hand lever – Replaceable – Pinless – EN 1092-2

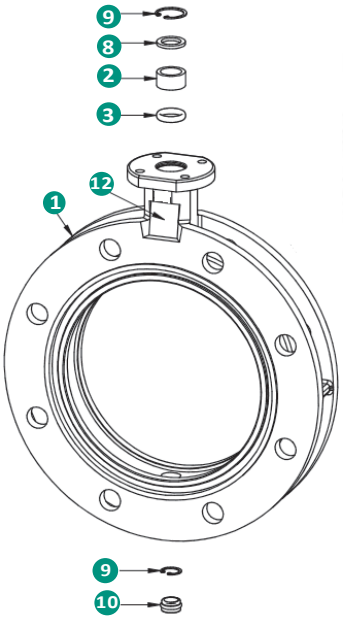
Product Specification

DN 80-100



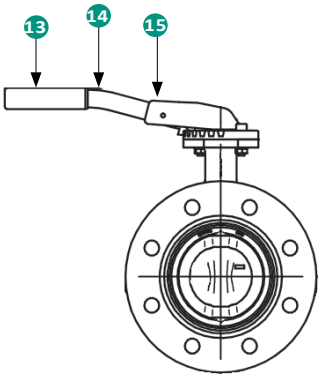
DN 125-200

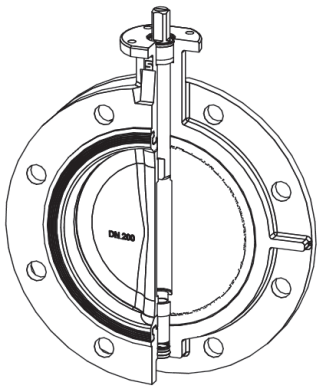




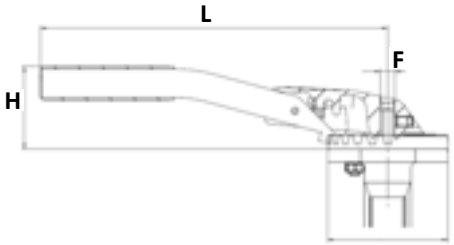


N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15, Epoxy
2	Bushing	Acetal Delrin
3	O-Ring	Nitrile
4	Upper Shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Stainless Steel CF8M
7	Lower Shaft	Stainless Steel AISI 420 (DN 125-200)
8	Retaining Ring	Zinc-plated Steel
9	Seeger Ring Body	Zinc-plated Steel DIN 472
10	Lower Plug	EPDM (DN 125-200)
11	Bushing	Steel Bronze PTFE
12	Features Tag	Polyester
13	Hand Lever cover	Vinyl
14	Hand Lever arm	Carbon Steel, Epoxy
15	Hand Lever head	Aluminum, Epoxy





Dimensions



Product Information

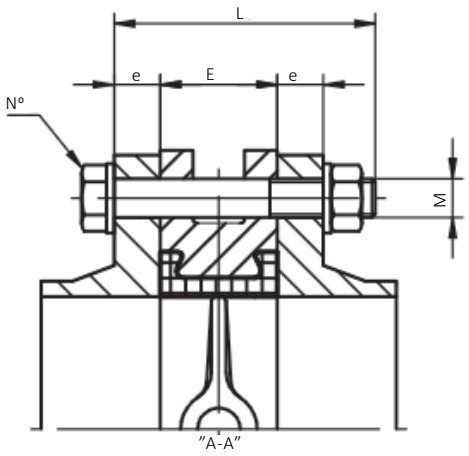
Product code	F	L	H	KG
DN 80-100	11	260	60	0.45
DN 125-150	14	315	75	0.55
DN 200	17	315	75	0.55

FIVC Butterfly Valve

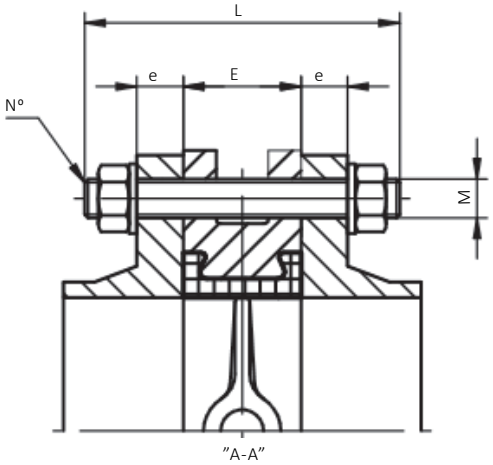
Ductile Iron – PN 16 – U-flanged – Hand lever – Replaceable – Pinless – EN 1092-2

DN 1200/1600

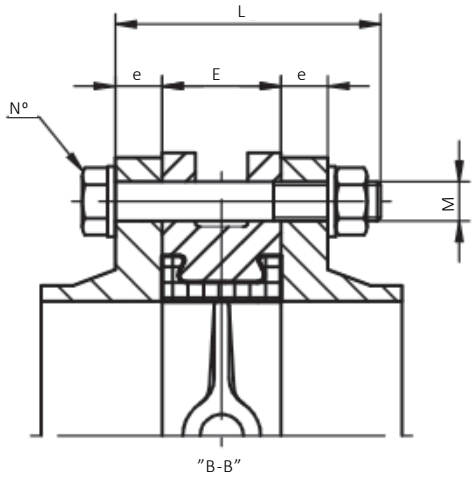
Screw



Link



Screw Only



Product code	Size	E	K	e	M	L	L1	N°
FLANU50080MNENR1603	80	46	160	20	M16	110	130	8
FLANU50100MNENR1603	100	52	180	20	M16	110	130	8
FLANU50125MNENR1603	125	56	210	22	M16	120	140	8
FLANU50150MNENR1603	150	56	240	22	M20	130	150	8
FLANU50200MNENR1603	200	60	295	24	M20	130	160	12

FIVC Butterfly Valve

Ductile Iron – PN 25 – U-Flanged – Hand lever – Glued – Pinless – EN 1092-2



FLANU series

Technical data

Main features and materials

• Body:	Ductile Iron	
• Disc:	Stainless Steel	
• Stem:	Stainless Steel	
• Seat:	Glued EPDM	
• Operation:	Hand lever in Malleable Iron	
• Coating:	Epoxy RAL 5015 *(120 µ)*	
• Dimensions:	Face-to-Face acc. to EN 558-1 *(series 20)*	
• Design:	EN 593	
• Type:	Drilling:	PN 25
	Shaft:	SS AISI 420/1.4542
	Thread:	Metric
• Hydrostatic test:	EN 12266-1	
Resistance	Open valve: 37.5 Kg/cm³	
	Closed valve: 27.5 kg/cm³	

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 25 bar

- Filtration
- Water treatment
- Water distribution
- Cooling systems
- Naval industry

Description

FIVC U-Flanged Butterfly Valve with its glued seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Since the valve is pinless, the disc is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can easily be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu Bronze
- Ductile Iron

Construction
- w/Pin

Seat
- Vulcanized
- Replaceable

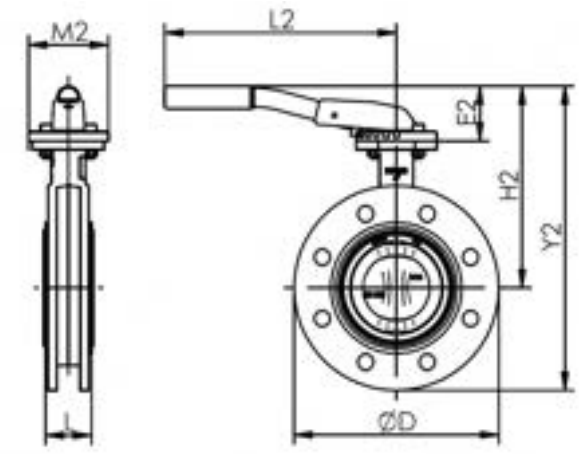
Operation
- Gearbox
- Actuator
- Other operations upon request

Drilling
- PN 16
- PN 20
- ANSI 150

PN
- PN 16 (w/pin)
- PN 20 (w/pin)

Size
- DN 40+

Dimensions



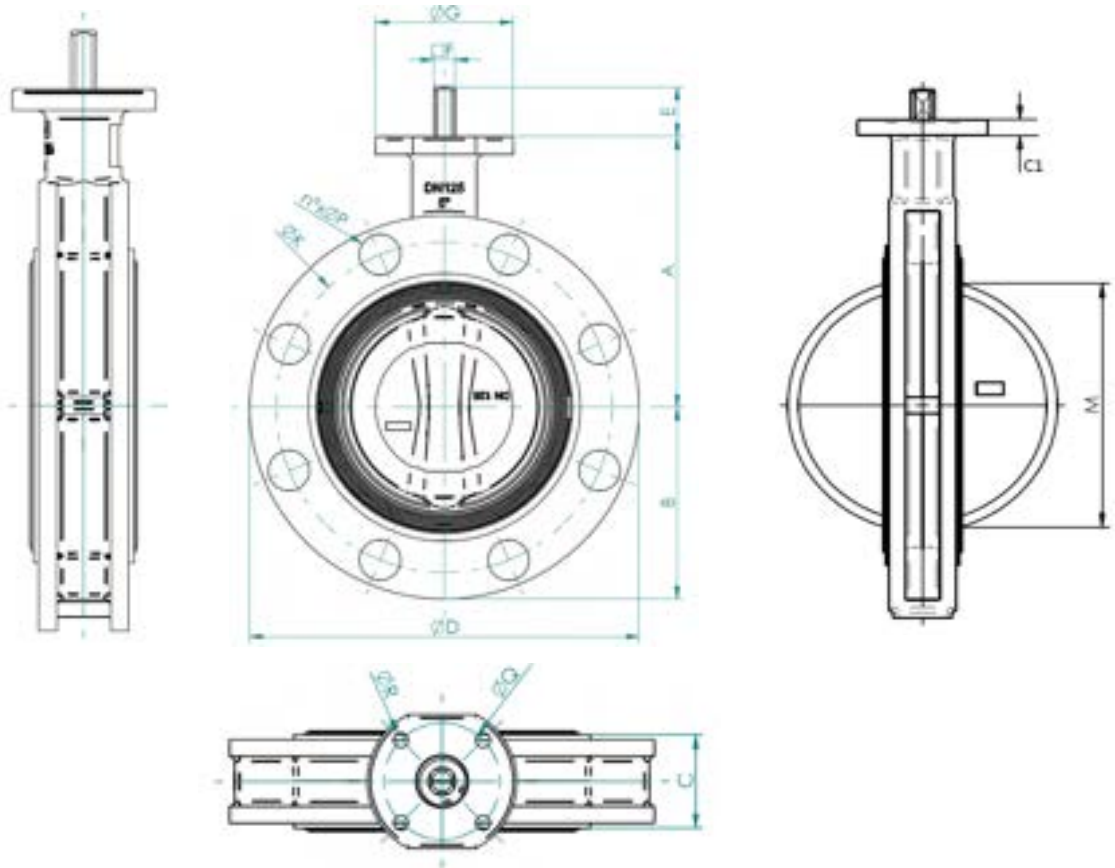
Product code	Size	D	L	E2	H2	Y2	L2	M2	Kg
FLANU50080MNENG2509	80	200	46	60	201	303	260	90	5.8
FLANU50100MNENG2509	100	230	52	60	225	340	260	90	7.6
FLANU50125MNENG2509	125	255	56	75	255	383	315	90	10.1
FLANU50150MNENG2509	150	285	56	75	268	411	315	90	11.6
FLANU50200MNENG2509	200	345	60	75	300	473	315	90	19.0

Dimensions are in millimeters

Dimensions of the bare shaft

Product code	Size	General dimensions of bare shaft													
		A	B	C	ØD	E	F	ØG	ØK	n°xØP	ISO	ØQ	ØR	M	C1
FLANU50080MNENG2509	80	141	110	46	200	30	11	90	160	8xØ18	F-07	70	4x9	65	10
FLANU50100MNENG2509	100	165	115	52	230	30	11	90	190	8xØ23	F-07	70	4x9	90	10
FLANU50125MNENG2509	125	180	127	56	255	33	14	90	220	8xØ27	F-07	70	4x9	112	12
FLANU50150MNENG2509	150	193	143	56	285	33	14	90	250	8xØ27	F-07	70	4x9	139	12
FLANU50200MNENG2509	200	225	173	60	345	33	17	90	310	12xØ27	F-07	70	4x9	191	12

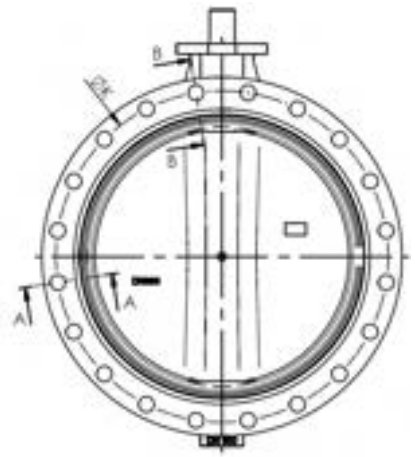
Dimensions are in millimeters



FIVC Butterfly Valve

Ductile Iron – PN 25 – U-Flanged – Hand lever – Glued – Pinless – EN 1092-2

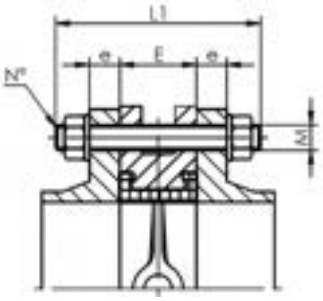
Screw assembly



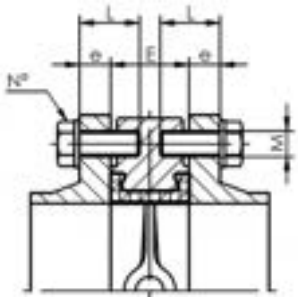
Product code	Size	E	K	e	M	L	L1	N°
FLANU50080MNENG2509	80	46	160	20	M16	110	130	8
FLANU50100MNENG2509	100	52	180	20	M16	110	130	8
FLANU50125MNENG2509	125	56	210	22	M16	120	140	8
FLANU50150MNENG2509	150	56	240	22	M20	130	150	8
FLANU50200MNENG2509	200	60	295	24	M20	130	160	12

Dimensions are in millimeters

A-A screw

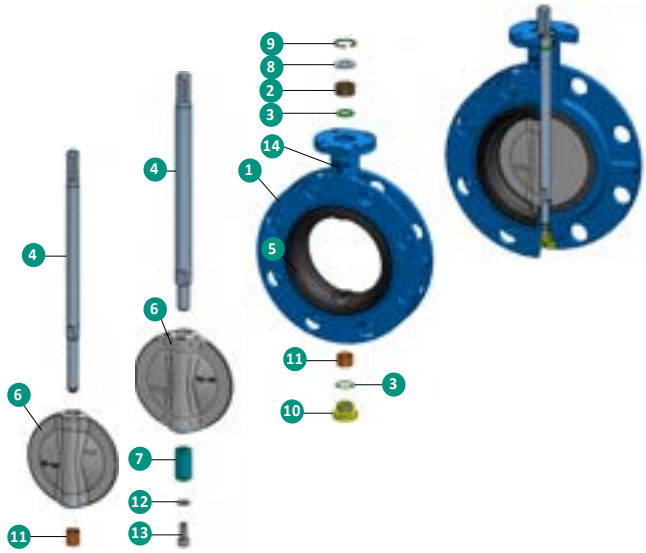


A-A Link



Product Specification

DN 80-100 **DN 125-200**



N°	Name	Material
1	Body	Ductile Iron GJS-400-15 EN 1563
2	Bushing	Bronze-Brass 6 Pcs.
3	O-Ring	Nitrile DN 80-100: 1 pcs. DN 125-200: 2 pcs.
4	Upper shaft	DN 80-100: Stainless Steel AISI 420 DN 125-200: Stainless Steel 1.4542
5	Seat	Glued EPDM
6	Disc	Stainless Steel A 351 Gr. CF8M
7	Lower shaft	DN 125-200: Stainless Steel 1.4542
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel DIN 472 1 pcs.
10	Lower plug	DN 125-200: Stainless Steel AISI 420
11	Bushing	Stainless Steel-Bronze-PTFE
12	Lockwasher	Stainless Steel AISI 304 DIN 127 DN 125-200: 2 pcs.
13	Screw	DN 125-200: Stainless Steel AISI 304 DIN 912
14	Features tag	Polyester
15	Coating	Epoxy RAL 5015 - 120 µ

FIVC Butterfly Valve

Ductile Iron – PN 16 – U-Flanged – Gearbox – Vulcanized - w/Pin – EN 1092-2



FLANU series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: EPDM Vulcanized
- Operation: Gearbox in Ductile Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- Standard: Standard acc. to BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 16
- Testing: Shell pressure: 2.4 MPa
  Seal pressure: 1.76 MPa
- Tests: Inspection test acc. to BS EN 12266-1

Field of applications

- Temperature range: -15 to 120 °C
- Max. working pressure: 16 bar

- Petrochemical industry
- Irrigation systems
- Mining and infrastructure industries
- Shipyard industry
- Compressed air
- Textile industry
- Mechanical industry
- Steam applications
- Other various industries

Description

FIVC Flanged Butterfly Valve with its vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high-quality rotational disc, the valve features a quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions. The vulcanized seat ensures that the valve is both suitable for center service and end-of-line service. Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been manufactured and tested in accordance with the European PED Directive Nº 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Ductile Iron
- Alu-Bronze

Construction
- Replaceable

Seat
- Replaceable
- Other seats upon request

Operation
- 15° Notch hand lever
- Other operations upon request

Threading
- UNC
- Whitworth

Drilling
- PN 10
- PN 20
- PN 25
  ANSI 150

PN
- PN 10
- PN 20
- PN 25

Size
- DN 40+

Product Information

Product code	Size	ØD	H	H1	P.C.D	N-m	a°	C	L	L1	L2	L3	L4	L5	ØV	N-ØD	F	V	Q	Kg	OTV *(N.m)*	BTV *(N.m)*	Gearbox		
																							Output N-M	Ratio	N° of turns
FLANU50150MDVEPV1623	150	285	226	139	Ø240	-	22.5°	65	56	-	-	-	-	-	135	8-Ø23	154	-	-	23	102	291	200	24:1	6
FLANU50200MDVEPV1623	200	340	260	175	Ø295	-	15°	77	60	-	-	-	-	-	285	12-Ø23	225	-	-	33	192	465	500	30:1	7.5
FLANU50250MDVEPV1623	250	405	292	203	Ø355	-	15°	77	68	-	-	-	-	-	285	12-Ø28	225	-	-	55	323	993	500	30:1	7.5
FLANU50300MDVEPV1623	300	460	313	242	Ø410	-	15°	80	78	-	-	-	-	-	285	12-Ø28	215	-	-	75	490	1360	1200	50:1	12.5
FLANU50350MDVEPV1623	350	520	368	263	Ø470	-	11.25°	80	78	-	-	-	-	-	285	16-Ø28	215	-	-	85	625	1360	1200	50:1	12.5
FLANU50400MDVEPV1623	400	580	400	297	Ø525	4-M27	11.25°	99	102	-	-	-	-	-	385	12-Ø31	277	-	-	130	846	2356	1800	80:1	20
FLANU50450MDVEPV1623	450	640	422	315	Ø585	4-M27	9°	99	114	-	-	-	-	-	385	16-Ø31	277	-	-	200	1131	3394	1800	80:1	20
FLANU50500MDVEPV1623	500	715	480	380	Ø650	4-M30	9°	-	127	107	100	156	168	107	285	16-Ø34	-	190	335.0	260	1431	4120	2500	506:1	140
FLANU50600MDVEPV1623	600	840	562	444	Ø770	4-M33	9°	-	154	131	125	160	224	146	385	16-Ø37	-	280	420.0	400	2301	6781	4000	640:1	160
FLANU50650MDVEPV1623	650	870	524	476	Ø790	4-M33	7.5°		172	173	162	197	244	173	425	20-Ø37	-	255	435.0	470	3800	10961	8000	704:1	176
FLANU50700MDVEPV1623	700	910	560	450	Ø840	4-M33	7.5°	-	165	173	162	197	244	173	425	20-Ø37	-	290	455.0	500	4253	10961	8000	704:1	176
FLANU50750MDVEPV1623	750	995	660	559	Ø927	4-M33	7.5°		165	173	146	200	224	146	425	20-Ø37	-	280	497.5	485	4980	10961	8000	704:1	176
FLANU50800MDVEPV1623	800	1025	626	539	Ø950	4-M36	7.5°	-	190	173	162	197	244	173	425	20-Ø41	-	350	512.5	600	5600	10961	8000	704:1	176
FLANU50900MDVEPV1623	900	1125	720	656	Ø1050	4-M36	6.4°	-	203	201	196	203	280	201	425	24-Ø41	-	380	526.5	750	6834	18188	15000	704:1	176
FLANU51000MDVEPV1623	1000	1255	800	700	Ø1270	4-M39	5.6°	-	216	201	196	203	280	201	425	24-Ø42	-	425	627.5	950	11603	26477	15000	704:1	176
FLANU51100MDVEPV1623	1100	1355	826	751	Ø1270	4-M39	5.6°		254	185	240	210	310	255	425	28-Ø44	-	460	685.0	1100	14000	26477	25000	850:1	212.5
FLANU51200MDVEPV1623	1200	1485	938	869	Ø1390	4-M45	5.6°	-	276	185	240	210	310	255	425	28-Ø50	-	500	742.5	1300	16321	49909	25000	850:1	212.5

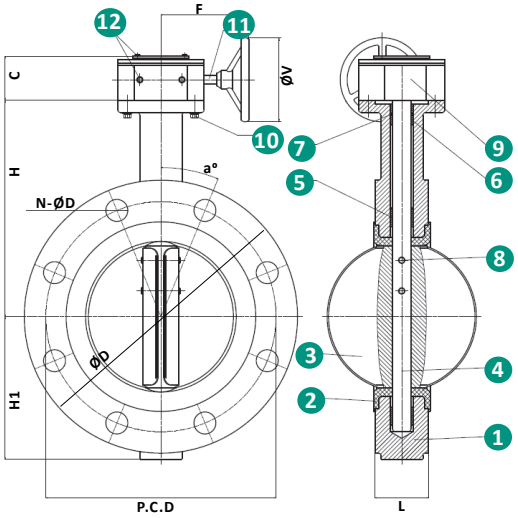
Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value

FIVC Butterfly Valve

Ductile Iron – PN 16 – U-Flanged – Gearbox – Vulcanized - w/Pin – EN 1092-2

Dimensions

DN 150-350

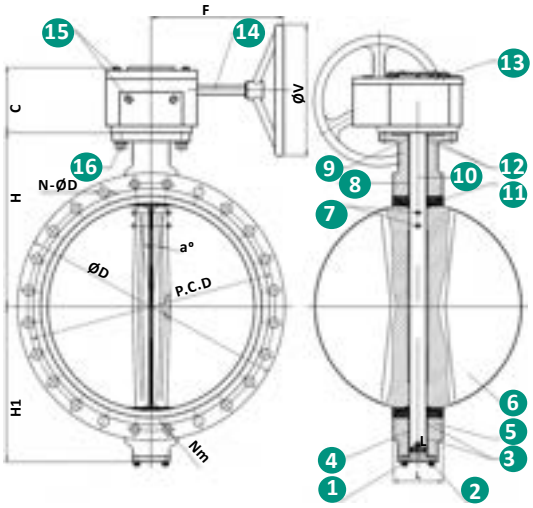


Product Specification

DN 150-350

N°	Name	Material
1	Body	Ductile Iron GGG40
2	Seat	EPDM (Vulcanized)
3	Disc	Stainless Steel CF8M
4	Stem	Stainless Steel 431
5	Bushing (long)	Copper
6	Bushing (short)	Copper
7	O-Ring	NBR rubber
8	Taper Pin	Stainless Steel 316
9	Gearbox	Ductile Iron GGG40
10	Bolts	Stainless Steel 316
11	Input shaft	Stainless Steel 304
12	Bolts	Stainless Steel 304

DN 400-450



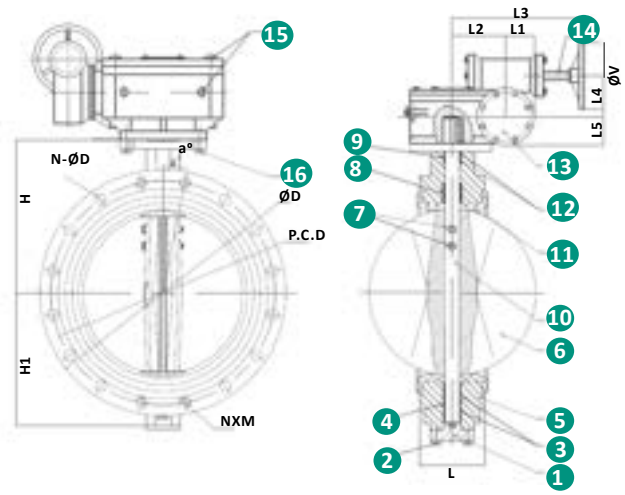
DN 400-450

N°	Name	Material
1	Cover	Ductile Iron GGG40
2	Bolts	Stainless Steel 316
3	Bushing	Copper
4	O-Ring	NBR rubber
5	Body	Ductile Iron GGG40
6	Disc	Stainless Steel CF8M
7	Taper Pin	Stainless Steel 316
8	Bushing	Copper
9	O-Ring	NBR rubber
10	Stem	Stainless Steel 431
11	Seat	EPDM (Vulcanized)
12	Bushing	Copper
13	Gear box	Ductile Iron GGG40
14	Input shaft	Stainless Steel 304
15	Bolts	Stainless Steel 304
16	Bolts	Stainless Steel 316

FIVC Butterfly Valve

Ductile Iron – PN 16 – U-Flanged – Gearbox – Vulcanized - w/Pin – EN 1092-2

DN 500-1200

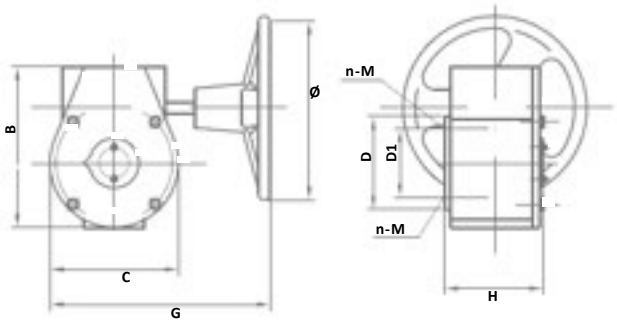


DN 500-1200

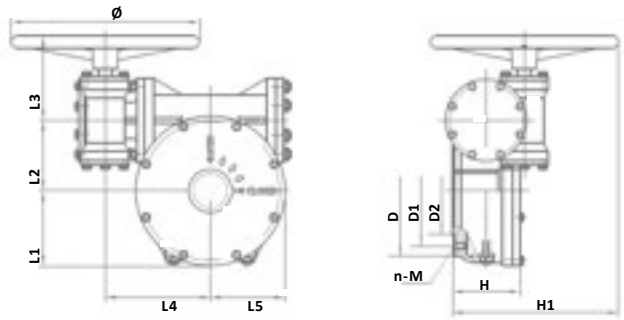
N°	Name	Material
1	Cover	Ductile Iron GGG40
2	Bolts	Stainless Steel 316
3	Bushing	Copper
4	O-Ring	NBR rubber
5	Body	Ductile Iron GGG40
6	Disc	Stainless Steel CF8M
7	Taper Pin	Stainless Steel 316
8	Bushing	Copper
9	O-Ring	NBR rubber
10	Stem	Stainless Steel 431
11	Seat	EPDM (Vulcanized)
12	Bushing	Copper
13	Gear box	Ductile Iron GGG40
14	Input shaft	Stainless Steel 304
15	Bolts	Stainless Steel 304
16	Bolts	Stainless Steel 316

Gearbox Specification

DN 150-450



DN 500-1200



Gearbox Dimensions

DN 150-450

Valve size (DN)	B	C	D	D1	H	G	Φ
150	125	102	90	50/70	65	203	135
200/250	167	141	90/125	70/102	79	295	285
300/350	188	152	125/175	102/140	80	291	285
400/450	279	247	210	165	109	336	390

**Dimensions are in millimeters*

Gearbox Dimensions

DN 500-1200

Valve size (DN)	L2	L1	L3	D	D1	D2	H	H1	L4	L5	Φ	n-M
500	100	107	156	210	165	130	125	271	168	107	285	4-M20
600	125	131	160	210	165	130	136	330	193	131	385	4-M20
700-800	140	146	197	300	254	200	149	378	230	146	425	8-M16
900-1000	162	173	197	300	254	200	155	377	246	173	425	8-M16
1100-1200	240	185	203	350	298	230	194	399	303	251	425	8-M20

**Dimensions are in millimeters*

FIVC Butterfly Valve

Ductile Iron – PN 16 – U-Flanged – Gearbox – Vulcanized – w/Pin – EN 1092-2



FLA series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile Iron/ENP
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: Vulcanized EPDM
- Operation: Gearbox in Ductile Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- USP: Dead-end/center service U-Flanged
- Standard: Standard acc. to BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 16; Shaft: SS AISI 431; Thread: Metric
- Tests: Inspection test acc. to BS EN 12266-1

Field of applications

- Temperature range: -15 to 120 °C
- Max. working pressure: 16 bar

- Petrochemical industry
- Irrigation systems
- Mining and infrastructure industries
- Shipyard industry
- Compressed air
- Textile industry
- Mechanical industry
- Steam applications
- Other various industries

Description

FIVC Flanged Butterfly Valve with its vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions.

Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu-Bronze
- Stainless Steel

Construction
- Pinless

Seat
- Replaceable
- Other seats upon request

Operation
- 15° Notch hand lever
- Other operations upon request

Threading
- UNC
- Whitworth

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20
- PN 25

Size
- DN 40+

Product Information

Product code	Size (DN)	D*	H*	H1*	P.C.D*	N-m	a°	C*	L	V	L1	L2	L3	L4	L5	ØV	N-d0	Q	Kg	OTV (N.m)	BTV (N.m)	Gearbox		
																						OT N-M	Ratio	N° of turns
FLANU3NP0150MDVEPV1623	150	-	226	139	Ø240	-	22.5°	65	56	-	-	-	154	-	-	135	-	-	23	102	291	200	24:1	6
FLANU3NP0200MDVEPV1623	200	-	260	175	Ø295	-	15°	77	60	-	-	-	225	-	-	285	-	-	33	192	465	500	32:1	8
FLANU3NP0250MDVEPV1623	250	-	292	203	Ø355	-	15°	77	68	-	-	-	225	-	-	285	-	-	55	323	993	500	32:1	8
FLANU3NP0300MDVEPV1623	300	-	313	242	Ø410	-	15°	80	78	-	-	-	215	-	-	285	-	-	75	490	1360	1200	50:1	12.5
FLANU3NP0350MDVEPV1623	350	-	368	263	Ø470	-	11.25°	80	78	-	-	-	215	-	-	285	-	-	85	625	1360	1200	50:1	12.5
FLANU3NP0400MDVEPV1623	400	580	400	297	Ø525	4-M27	11.25°	-	102	190	107	100	156	168	107	285	12-Ø31	290	130	846	2356	$2.5x10^3$	560:1	140
FLANU3NP0450MDVEPV1623	450	640	422	315	Ø585	4-M27	9°	-	114	190	107	100	156	168	107	285	16-Ø31	320	200	1131	3394	$2.5x10^3$	560:1	140
FLANU3NP0500MDVEPV1623	500	715	480	380	Ø650	4-M30	9°	-	127	190	107	100	156	168	107	285	16-Ø34	335	260	1431	4120	$2.5x10^3$	560:1	140
FLANU3NP0600MDVEPV1623	600	840	562	444	Ø770	4-M33	9°	-	154	280	131	125	160	224	146	385	16-Ø37	420	400	2301	6781	$4x10^3$	506:1	140
FLANU3NP0700MDVEPV1623	700	910	560	450	Ø840	4-M33	7.5°	-	165	290	173	162	197	244	173	425	16-Ø37	455	500	4253	10961	$8x10^3$	704:1	176
FLANU3NP0750MDVEPV1623	750	995	660	559	Ø927	4-M30	7.5°	-	165	280	173	146	200	224	146	425	20-Ø37	497.5	485	4980	10961	$8x10^3$	704:1	176
FLANU3NP0800MDVEPV1623	800	1025	626	539	Ø950	4-M36	7.5°	-	190	350	173	162	197	244	173	425	24-Ø41	512.5	600	5600	10961	$8x10^3$	704:1	176
FLANU3NP0900MDVEPV1623	900	1125	720	656	Ø1050	4-M36	6.4°	-	203	380	201	196	203	280	201	425	24-Ø41	526.5	750	6834	18188	$15x10^3$	680:1	170
FLANU3NP1000MDVEPV1623	1000	1255	800	700	Ø1270	4-M39	5.6°	-	216	425	201	196	203	280	201	425	24-Ø42	627.5	950	11603	26477	$15x10^3$	680:1	170
FLANU3NP1200MDVEPV1623	1200	1485	938	869	Ø1390	4-M45	5.6°	-	276	500	185	240	210	310	255	425	28-Ø50	742.5	1300	16321	49909	$25x10^3$	850:1	212.5

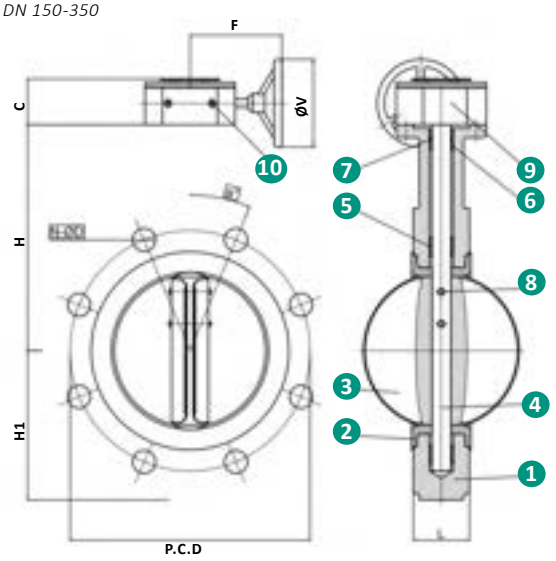
**Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value*

FIVC Butterfly Valve

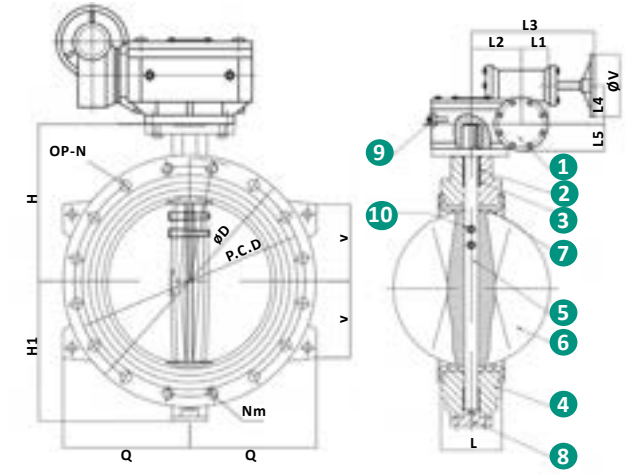
Ductile Iron – PN 16 – U-Flanged – Gearbox – Vulcanized – w/Pin – EN 1092-2

Dimensions

DN 150-350



DN 400-1200



Product Specification

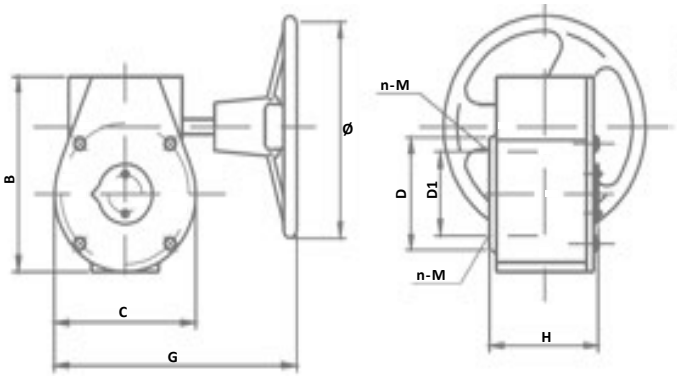
N°	Name	Material
1	Gearbox	Ductile Iron GGG 40
2	O-Ring	NBR rubber
3	Bushing	Copper
4	Body	Ductile Iron
5	Stem	Stainless Steel 431
6	Disc	GGG40 DI + ENP (Electrical Nickel Plated)
7	Seat	EPDM Vulcanized
8	Cover	Ductile Iron GGG 40
9	Bolts and accessories	Stainless Steel 316
10	Pin	Stainless Steel 316

Gearbox Dimensions

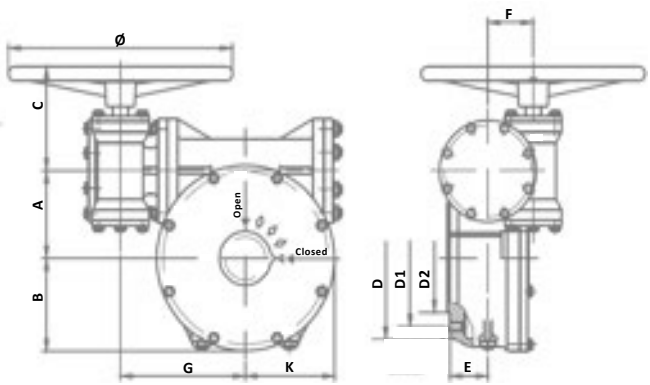
Valve size *(DN)*	A*	B*	C*	D*	D1*	D2*	E-H*	F*	G*	K*	Φ *	n-M
65-150	-	125	102	92	70	-	65	-	203	-	135	-
200-250	-	167	141	125	102	-	79	-	295	-	285	-
300-350	-	188	152	125	102	-	80	-	291	-	285	-
400-500	100	107	162	175	140	100	67	60	170	107	285	4-M16/ 4-M20
600	125	131	172	276	165	-	65	66	192	131	385	4-M20
700-800	140	146	200	300	254	200	72	88	224	146	425	8-M16

**Dimensions are in millimeters*

DN 65-350



DN 400-1200



FIVC Butterfly Valve

Ductile Iron – PN 10 – U-Flanged – Gearbox – Replaceable - w/Pin – EN 1092-2



FLANU series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: EPDM Replaceable
- Operation: Gearbox in Ductile Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- Standard: Standard acc. to BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 10
- Testing: Shell pressure: 1.5 MPa
  Seal pressure: 1.1 MPa
- Tests: Inspection test acc. to BS EN 12266-1

Field of applications

- Temperature range: -15 to 120 °C
- Max. working pressure: 10 bar

- Petrochemical industry
- Irrigation systems
- Mining and infrastructure industries
- Shipyard industry
- Compressed air
- Textile industry
- Mechanical industry
- Steam applications
- Other various industries

Description

FIVC Flanged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions.

Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc	Construction	Seat	Operation
• Ductile Iron • Alu-Bronze	• Vulcanized	• Vulcanized • Other seats upon request	• 15° Notch hand lever • Other operations upon request

Threading	Drilling	PN	Size
• UNC • Whitworth	• PN 16 • PN 20 • PN 25 • ANSI 150	• PN 16 • PN 20 • PN 25	• DN 40+

Product Information

Product code	Size (DN)	ØD	H	H1	P.C.D	N-m	a°	C	L	L1	L2	L3	L4	L5	ØV	N-ØD	F	Kg	OTV (N.m)	BTV (N.m)	Gearbox		
																					Output N-M	Ratio	N° of turns
FLANU50150MDVEPR1015	150	285	226	139	Ø240	-	22.5°	65	56	-	-	-	-	-	135	8-Ø23	154	23	102	291	200	24:1	6
FLANU50200MDVEPR1015	200	340	260	175	Ø295	-	22.5°	77	60	-	-	-	-	-	285	8-Ø23	225	33	192	465	500	30:1	7.5
FLANU50250MDVEPR1015	250	405	292	203	Ø350	-	15°	77	68	-	-	-	-	-	285	12-Ø23	225	55	323	993	500	30:1	7.5
FLANU50300MDVEPR1015	300	460	313	242	Ø400	-	15°	80	78	-	-	-	-	-	285	12-Ø23	215	75	490	1360	1200	50:1	12.5
FLANU50350MDVEPR1015	350	520	368	263	Ø460	-	11.25°	80	78	-	-	-	-	-	285	16-Ø23	215	85	625	1360	1200	50:1	12.5
FLANU50400MDVEPR1015	400	565	400	297	Ø515	4-M24	11.25°	99	102	-	-	-	-	-	385	12-Ø28	277	130	846	2356	1800	80:1	20
FLANU50450MDVEPR1015	450	615	422	315	Ø565	4-M24	9°	99	114	-	-	-	-	-	385	16-Ø28	277	200	1131	3394	1800	80:1	20
FLANU50500MDVEPR1015	500	670	460	360	Ø620	4-M24	9°	-	127	107	100	156	168	107	285	16-Ø28	-	260	1431	4120	2500	506:1	140
FLANU50600MDVEPR1015	600	780	520	430	Ø725	4-M27	9°	-	154	131	125	160	224	146	385	16-Ø31	-	400	2301	6781	4000	640:1	160
FLANU50700MDVEPR1015	700	895	629	512	Ø840	4-M27	7.5°	-	165	173	162	197	244	173	425	20-Ø31	-	500	4253	10961	8000	704:1	176
FLANU50800MDVEPR1015	800	1015	666	576	Ø950	4-M30	7.5°	-	190	173	162	197	244	173	425	20-Ø34	-	600	5600	10961	8000	704:1	176
FLANU50900MDVEPR1015	900	1115	720	636	Ø1050	4-M30	6.4°	-	203	201	196	203	280	201	425	24-Ø34	-	750	6834	18188	15000	704:1	176
FLANU51000MDVEPR1015	1000	1230	800	700	Ø1160	4-M33	6.4°	-	216	201	196	203	280	201	425	24-Ø37	-	950	11603	26477	15000	704:1	176
FLANU51100MDVEPR1015	1100	1340	826	741	Ø1270	4-M33	5.6°		254	185	240	210	310	255	425	28-Ø37	-	1100	14000	26477	25000	850:1	212.5
FLANU51200MDVEPR1015	1200	1455	941	844	Ø1380	4-M36	5.6°	-	276	185	240	210	310	255	425	28-Ø41	-	1300	16321	49909	25000	850:1	212.5

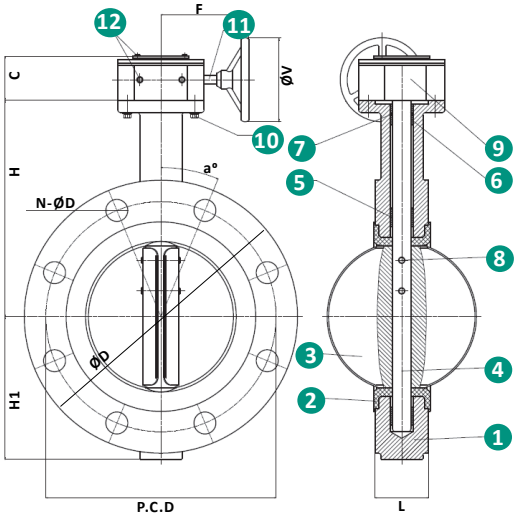
Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value

FIVC Butterfly Valve

Ductile Iron – PN 10 – U-Flanged – Gearbox – Replaceable - w/Pin – EN 1092-2

Dimensions

DN 150-350

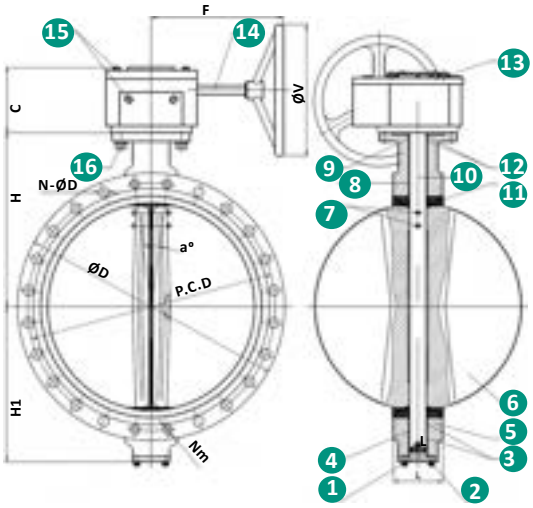


Product Specification

DN 150-350

N°	Name	Material
1	Body	Ductile Iron GGG40
2	Seat	EPDM (Replaceable)
3	Disc	Stainless Steel CF8M
4	Stem	Stainless Steel 431
5	Bushing (long)	Copper
6	Bushing (short)	Copper
7	O-Ring	NBR rubber
8	Pin	Stainless Steel 316
9	Gearbox	Ductile Iron GGG40
10	Bolts	Stainless Steel 316
11	Input shaft	Stainless Steel 304
12	Bolts	Stainless Steel 304

DN 400-450



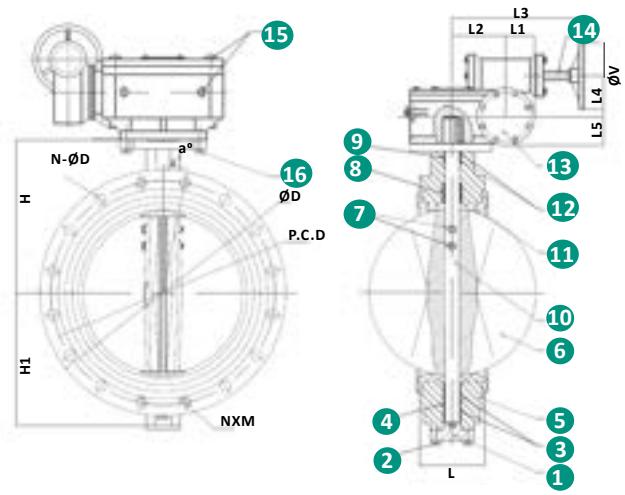
DN 400-450

N°	Name	Material
1	Cover	Ductile Iron GGG40
2	Bolts	Stainless Steel 316
3	Bushing	Copper
4	O-Ring	NBR rubber
5	Body	Ductile Iron GGG40
6	Disc	Stainless Steel CF8M
7	Pin	Stainless Steel 316
8	Bushing	Copper
9	O-Ring	NBR rubber
10	Stem	Stainless Steel 431
11	Seat	EPDM (Replaceable)
12	Bushing	Copper
13	Gear box	Ductile Iron GGG40
14	Input shaft	Stainless Steel 304
15	Bolts	Stainless Steel 304
16	Bolts	Stainless Steel 316

FIVC Butterfly Valve

Ductile Iron – PN 10 – U-Flanged – Gearbox – Replaceable - w/Pin – EN 1092-2

DN 500-1200

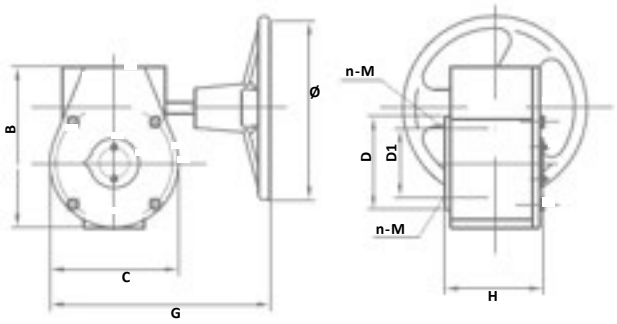


DN 500-1200

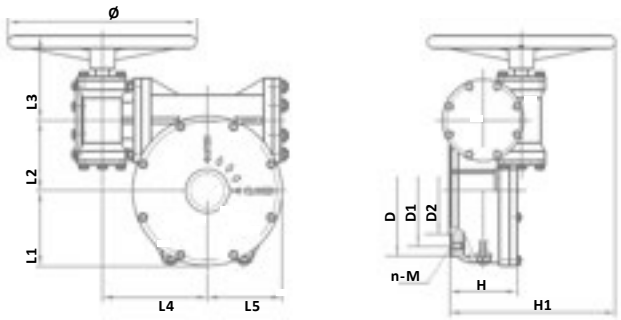
N°	Name	Material
1	Cover	Ductile Iron GGG40
2	Bolts	Stainless Steel 316
3	Bushing	Copper
4	O-Ring	NBR rubber
5	Body	Ductile Iron GGG40
6	Disc	Stainless Steel CF8M
7	Pin	Stainless Steel 316
8	Bushing	Copper
9	O-Ring	NBR rubber
10	Stem	Stainless Steel 431
11	Seat	EPDM (Replaceable)
12	Bushing	Copper
13	Gear box	Ductile Iron GGG40
14	Input shaft	Stainless Steel 304
15	Bolts	Stainless Steel 304
16	Bolts	Stainless Steel 316

Gearbox Specification

DN 150-450



DN 500-1200



Gearbox Dimensions

DN 150-450

Valve size *(DN)*	B	C	D	D1	H	G	Φ
150	125	102	90	50/70	65	203	135
200/250	167	141	90/125	70/102	79	295	285
300/350	188	152	125/175	102/140	80	291	285
400/450	279	247	210	165	109	336	390

**Dimensions are in millimeters*

Gearbox Dimensions

DN 500-1200

Valve size *(DN)*	L2	L1	L3	D	D1	D2	H	H1	L4	L5	Φ	n-M
500	100	107	156	210	165	130	125	271	168	107	285	4-M20
600	125	131	160	210	165	130	136	330	193	131	385	4-M20
700-800	140	146	197	300	254	200	149	378	230	146	425	8-M16
900-1000	162	173	197	300	254	200	155	377	246	173	425	8-M16
1100-1200	240	185	203	350	298	230	194	399	303	251	425	8-M20

**Dimensions are in millimeters*

FIVC Butterfly Valve

Ductile Iron – PN 10 – U-Flanged – Gearbox – Vulcanized - w/Pin – EN 1092-2



FLANU series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: EPDM Vulcanized
- Operation: Gearbox in Ductile Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- Standard: Standard acc. to BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 10
- Testing: Shell pressure: 1.5 MPa
  Seal pressure: 1.1 MPa
- Tests: Inspection test acc. to BS EN 12266-1

Field of applications

- Temperature range: -15 to 120 °C
- Max. working pressure: 10 bar

- Petrochemical industry
- Irrigation systems
- Mining and infrastructure industries
- Shipyard industry
- Compressed air
- Textile industry
- Mechanical industry
- Steam applications
- Other various industries

Description

FIVC Flanged Butterfly Valve with its vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high-quality rotational disc the valve features a quick shut-off function.

Due to the integrated pin in the disc the butterfly valve features much higher strength and can work in higher pressure conditions. The vulcanized seat ensures that the valve is both suitable for center service and end-of-line service. Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been manufactured and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Ductile Iron
- Alu-Bronze

Construction
- Replaceable

Seat
- Replaceable
- Other seats upon request

Operation
- 15° Notch hand lever
- Other operations upon request

Threading
- UNC
- Whitworth

Drilling
- PN 16
- PN 20
- PN 25
- ANSI 150

PN
- PN 16
- PN 20
- PN 25

Size
- DN 40+

Product Information

Product code	Size	ØD	H	H1	P.C.D	N-m	a°	C	L	L1	L2	L3	L4	L5	ØV	N-ØD	F	Kg	OTV *(N.m)*	BTV *(N.m)*	Gearbox		
																					Output N-M	Ratio	N° of turns
FLANU50150MDVEPV1015	150	285	226	139	Ø240	-	22.5°	65	56	-	-	-	-	-	135	8-Ø23	154	23	102	291	200	24:1	6
FLANU50200MDVEPV1015	200	340	260	175	Ø295	-	22.5°	77	60	-	-	-	-	-	285	8-Ø23	225	33	192	465	500	30:1	7.5
FLANU50250MDVEPV1015	250	405	292	203	Ø350	-	15°	77	68	-	-	-	-	-	285	12-Ø23	225	55	323	993	500	30:1	7.5
FLANU50300MDVEPV1015	300	460	313	242	Ø400	-	15°	80	78	-	-	-	-	-	285	12-Ø23	215	75	490	1360	1200	50:1	12.5
FLANU50350MDVEPV1015	350	520	368	263	Ø460	-	11.25°	80	78	-	-	-	-	-	285	16-Ø23	215	85	625	1360	1200	50:1	12.5
FLANU50400MDVEPV1015	400	565	400	297	Ø515	4-M24	11.25°	99	102	-	-	-	-	-	385	12-Ø28	277	130	846	2356	1800	80:1	20
FLANU50450MDVEPV1015	450	615	422	315	Ø565	4-M24	9°	99	114	-	-	-	-	-	385	16-Ø28	277	200	1131	3394	1800	80:1	20
FLANU50500MDVEPV1015	500	670	460	360	Ø620	4-M24	9°	-	127	107	100	156	168	107	285	16-Ø28	-	260	1431	4120	2500	506:1	140
FLANU50600MDVEPV1015	600	780	520	430	Ø725	4-M27	9°	-	154	131	125	160	224	146	385	16-Ø31	-	400	2301	6781	4000	640:1	160
FLANU50700MDVEPV1015	700	895	629	512	Ø840	4-M27	7.5°	-	165	173	162	197	244	173	425	20-Ø31	-	500	4253	10961	8000	704:1	176
FLANU50800MDVEPV1015	800	1015	666	576	Ø950	4-M30	7.5°	-	190	173	162	197	244	173	425	20-Ø34	-	600	5600	10961	8000	704:1	176
FLANU50900MDVEPV1015	900	1115	720	636	Ø1050	4-M30	6.4°	-	203	201	196	203	280	201	425	24-Ø34	-	750	6834	18188	15000	704:1	176
FLANU51000MDVEPV1015	1000	1230	800	700	Ø1160	4-M33	6.4°	-	216	201	196	203	280	201	425	24-Ø37	-	950	11603	26477	15000	704:1	176
FLANU51100MDVEPV1015	1100	1340	826	741	Ø1270	4-M33	5.6°		254	185	240	210	310	255	425	28-Ø37	-	1100	14000	26477	25000	850:1	212.5
FLANU51200MDVEPV1015	1200	1455	941	844	Ø1380	4-M36	5.6°	-	276	185	240	210	310	255	425	28-Ø41	-	1300	16321	49909	25000	850:1	212.5

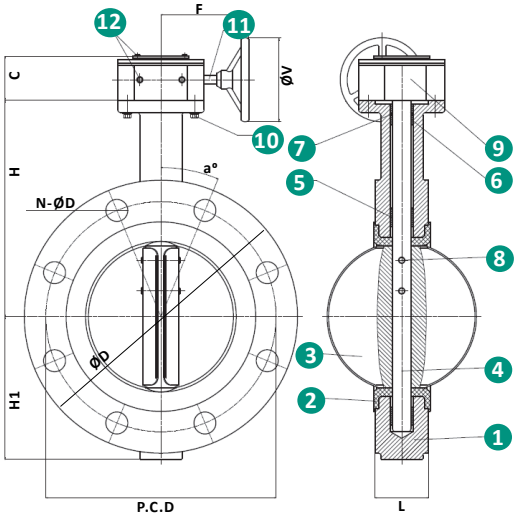
Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value

FIVC Butterfly Valve

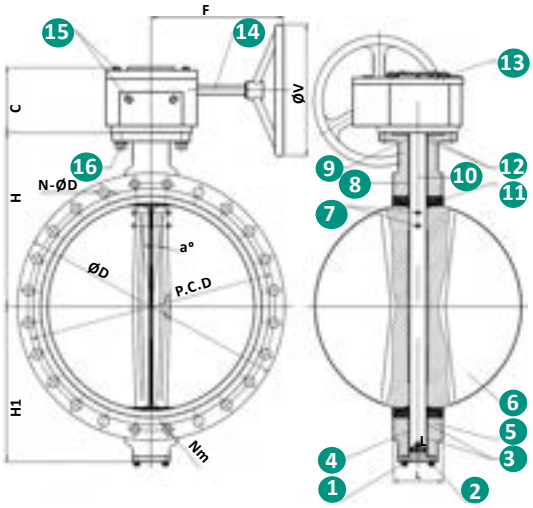
Ductile Iron – PN 10 – U-Flanged – Gearbox – Vulcanized - w/Pin – EN 1092-2

Dimensions

DN 150-350



DN 400-450



Product Specification

DN 150-350

N°	Name	Material
1	Body	Ductile Iron GGG40
2	Seat	EPDM (Vulcanized)
3	Disc	Stainless Steel CF8M
4	Stem	Stainless Steel 431
5	Bushing (long)	Copper
6	Bushing (short)	Copper
7	O-Ring	NBR rubber
8	Pin	Stainless Steel 316
9	Gearbox	Ductile Iron GGG40
10	Bolts	Stainless Steel 316
11	Input shaft	Stainless Steel 304
12	Bolts	Stainless Steel 304

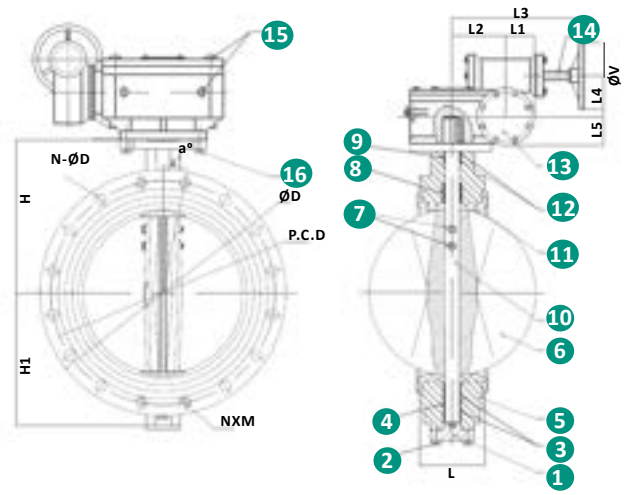
DN 400-450

N°	Name	Material
1	Cover	Ductile Iron GGG40
2	Bolts	Stainless Steel 316
3	Bushing	Copper
4	O-Ring	NBR rubber
5	Body	Ductile Iron GGG40
6	Disc	Stainless Steel CF8M
7	Pin	Stainless Steel 316
8	Bushing	Copper
9	O-Ring	NBR rubber
10	Stem	Stainless Steel 431
11	Seat	EPDM (Vulcanized)
12	Bushing	Copper
13	Gear box	Ductile Iron GGG40
14	Input shaft	Stainless Steel 304
15	Bolts	Stainless Steel 304
16	Bolts	Stainless Steel 316

FIVC Butterfly Valve

Ductile Iron – PN 10 – U-Flanged – Gearbox – Vulcanized - w/Pin – EN 1092-2

DN 500-1200

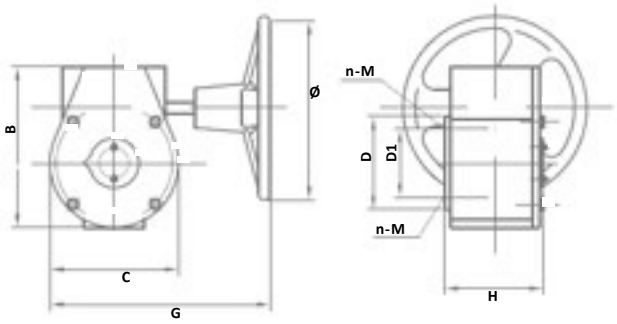


DN 500-1200

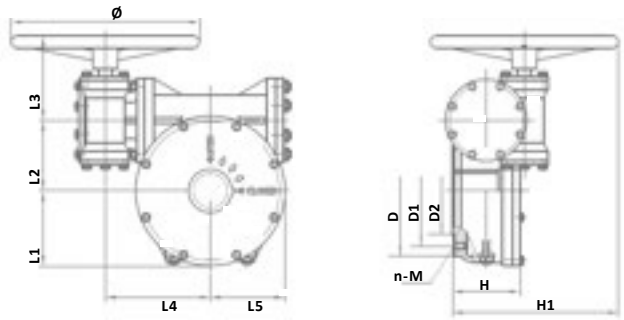
N°	Name	Material
1	Cover	Ductile Iron GGG40
2	Bolts	Stainless Steel 316
3	Bushing	Copper
4	O-Ring	NBR rubber
5	Body	Ductile Iron GGG40
6	Disc	Stainless Steel CF8M
7	Pin	Stainless Steel 316
8	Bushing	Copper
9	O-Ring	NBR rubber
10	Stem	Stainless Steel 431
11	Seat	EPDM (Vulcanized)
12	Bushing	Copper
13	Gear box	Ductile Iron GGG40
14	Input shaft	Stainless Steel 304
15	Bolts	Stainless Steel 304
16	Bolts	Stainless Steel 316

Gearbox Specification

DN 150-450



DN 500-1200



Gearbox Dimensions

DN 150-450

Valve size (DN)	B	C	D	D1	H	G	Φ
150	125	102	90	50/70	65	203	135
200/250	167	141	90/125	70/102	79	295	285
300/350	188	152	125/175	102/140	80	291	285
400/450	279	247	210	165	109	336	390

**Dimensions are in millimeters*

Gearbox Dimensions

DN 500-1200

Valve size (DN)	L2	L1	L3	D	D1	D2	H	H1	L4	L5	Φ	n-M
500	100	107	156	210	165	130	125	271	168	107	285	4-M20
600	125	131	160	210	165	130	136	330	193	131	385	4-M20
700-800	140	146	197	300	254	200	149	378	230	146	425	8-M16
900-1000	162	173	197	300	254	200	155	377	246	173	425	8-M16
1100-1200	240	185	203	350	298	230	194	399	303	251	425	8-M20

**Dimensions are in millimeters*

FIVC Butterfly Valve

Ductile Iron – PN 16 – U-flanged – Gearbox – Replaceable – Pinless – EN 1092-2



FLANU series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Gearbox in Ductile Iron
- Coating: Epoxy
- USP: Maintenance and installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face acc. to EN 558-1 (Ser.20)
  DIN 3202 T3 K1 - ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16 / Metric
  Shaft: SS AISI 420
- Tests: Hydraulic test acc. to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- General services
- HVAC

Description

FIVC U-flanged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.
Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can by its high quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

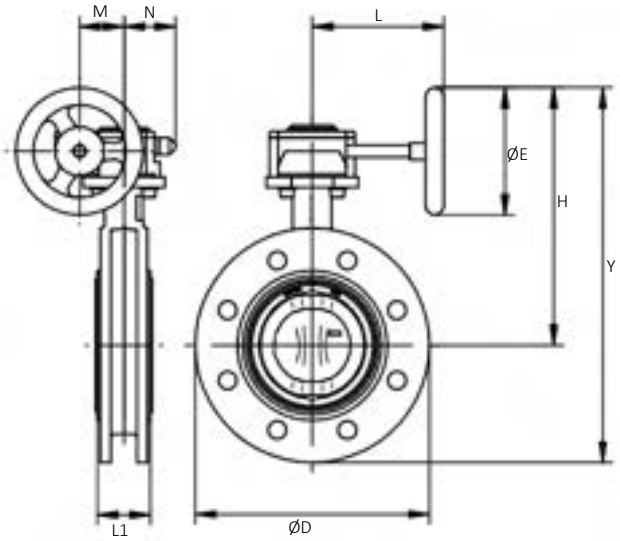
The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc	Construction	Seat	Operation
• Ductile Iron • Alu-Bronze	• w/Pin	• Vulcanized • Other seats upon request	• 15° notch hand-lever • Gearbox • Other operations upon request

Drilling	PN	Size
• PN 20 • PN 25 • ANSI 150	• PN 20 (w/pin) • PN 25 (w/pin)	• DN 40+

Dimensions

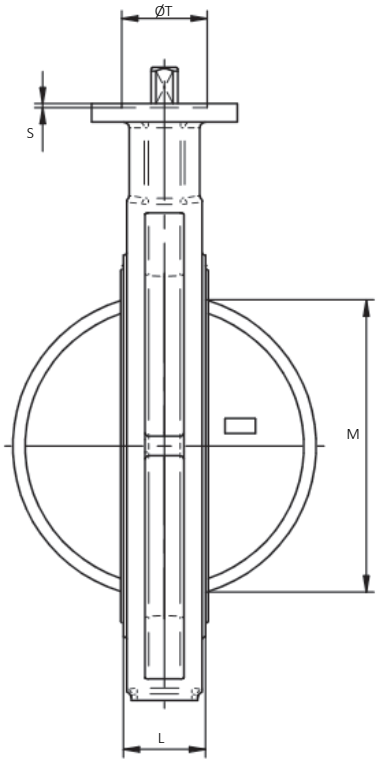


Product code	Size (DN)	L1	D	E	H	Y	L	M	N	Kg
FLANU50080MDVENR1603	80	46	200	125	229	329	129	43.5	50.5	6.6
FLANU50100MDVENR1603	100	52	230	125	253	368	129	43.5	50.5	8.3
FLANU50125MDVENR1603	125	56	255	160	286	413	135	43.5	50.5	10.9
FLANU50150MDVENR1603	150	56	285	160	298	441	135	43.5	50.5	12.5
FLANU50200MDVENR1603	200	60	345	200	355	528	152	52.5	59	21.0
FLANU50250MDVENR1603	250	68	406	250	442	652	222	61.2	70.5	34.2
FLANU50300MDVENR1603	300	78	480	250	468	708	222	61.2	70.5	48.7
FLANU50350MDVENR1603	350	78	535	250	498	770	222	61.2	70.5	58.5
FLANU50400MDVENR1603	400	102	597	300	572	880	277	68.8	72.5	89
FLANU50450MDVENR1603	450	114	640	400	630	970	321	96.5	91.5	119
FLANU50500MDVENR1603	500	127	700	400	682	1062	321	96.5	91.5	156
FLANU50600MDVENR1603	600	154	834	500	798	1239	408	138	140	255
FLANU50700MDVENR1603	700	165	927	600	914	1400	456	138	140	320
FLANU50750MDVENR1603	750	190	995	600	944	1474	456	138	140	393
FLANU50800MDVENR1603	800	190	1060	700	1044	1608	510	180	156	456
FLANU50900MDVENR1603	900	203	1170	700	1108	1718	510	180	156	573
FLANU51000MDVENR1603	1000	216	1290	700	1184	1858	579	180	156	754
FLANU51050MDVENR1603	1050	216	1346	700	1184	1858	579	180	156	843
FLANU51100MDVENR1603	1100	216	1405	700	1250	1983	593	252	228	1056
FLANU51200MDVENR1603	1200	254	1485	700	1310	2128	593	252	228	1270
FLANU51400MDVENR1603	1400	280	1735	700	1435	2404	593	252	228	1782
FLANU51500MDVENR1603	1500	318	1855	700	1510	2560	593	252	228	2317
FLANU51600MDVENR1603	1600	318	1930	700	1550	2640	593	252	228	2359

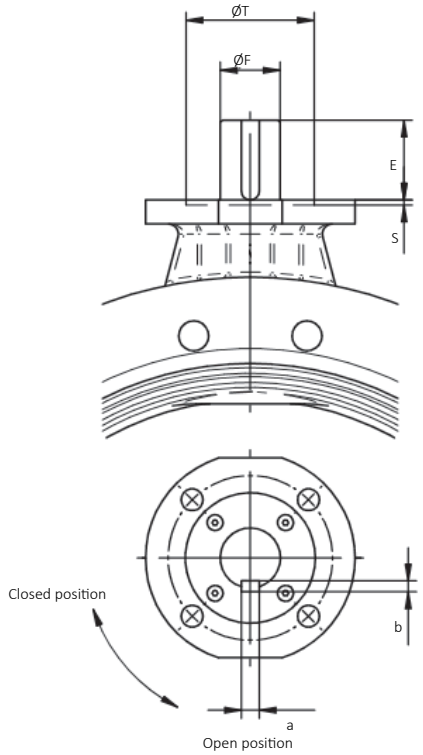
Dimensions

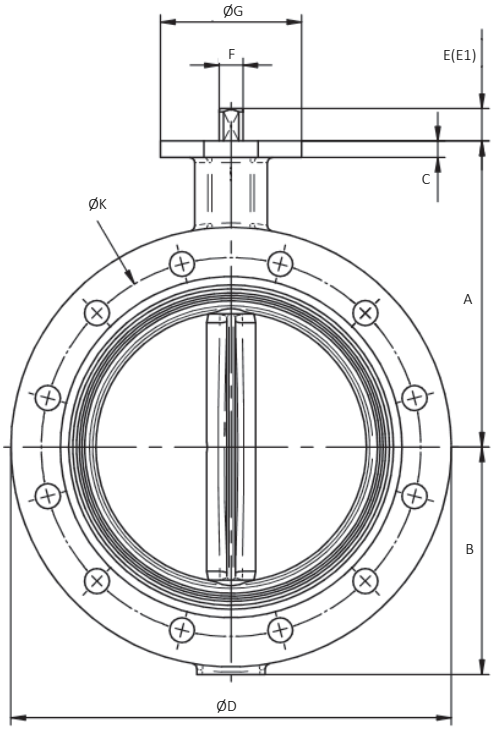
Bare shaft

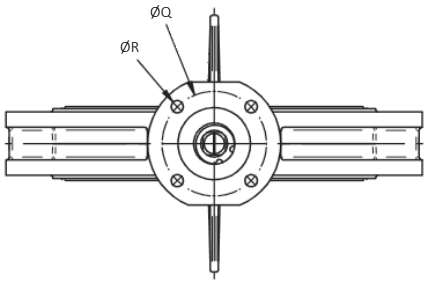
DN 80/500



DN 600/1600







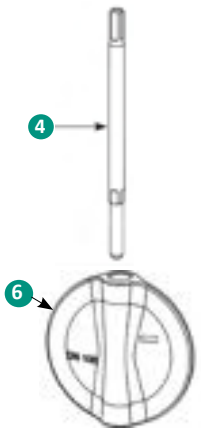
* E1- Short shaft on request

FIVC Butterfly Valve

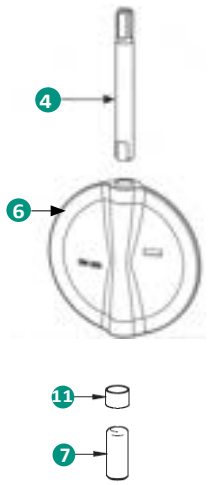
Ductile Iron – PN 16 – U-flanged – Gearbox – Replaceable – Pinless – EN 1092-2

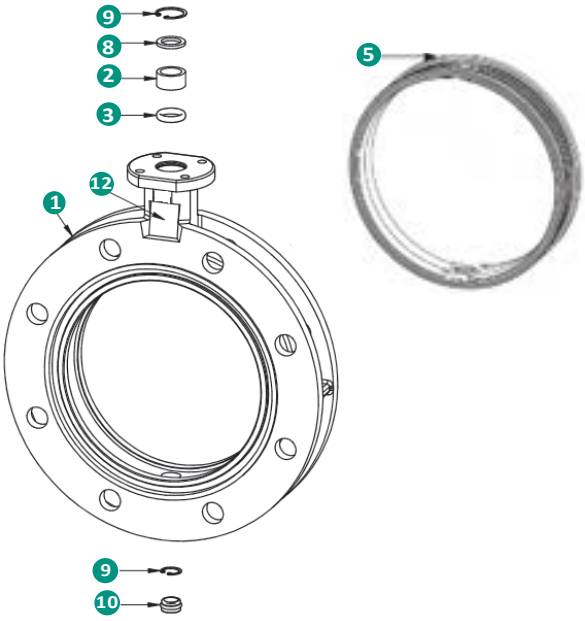
Product Specification

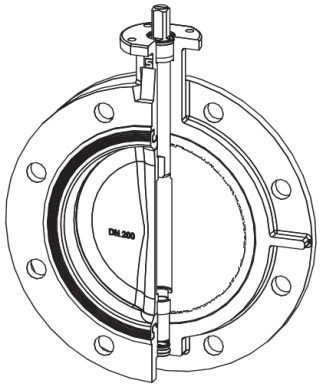
DN 80-100



DN 125-200

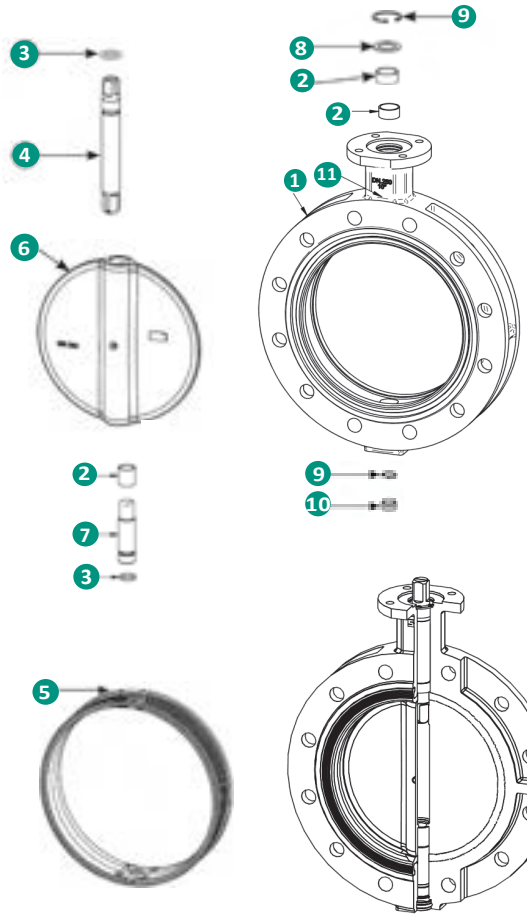






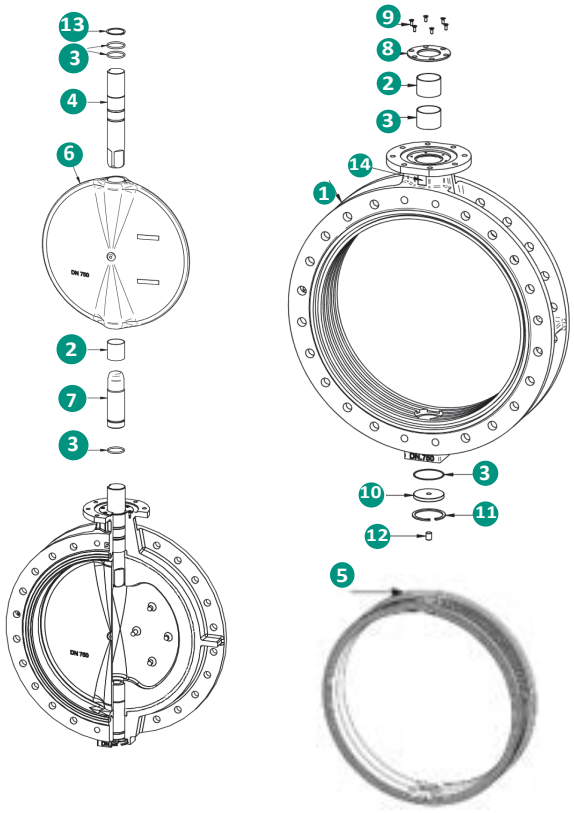
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15, Epoxy
2	Bushing	DN 80-200: Acetal Delrin DN 250-500: Steel, Bronze, PTFE
3	O-Ring	Nitrile
4	Upper Shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Stainless Steel CF8M
7	Lower Shaft	Stainless Steel AISI 420 (DN 125-500)
8	Retaining Ring	Zinc-plated Steel
9	Seeger Ring Body	Zinc-plated Steel DIN 472
10	Lower Plug	EPDM (DN 125 - 500)
11	Bushing	Steel Bronze PTFE
12	Features Tag	Polyester

DN 250-500

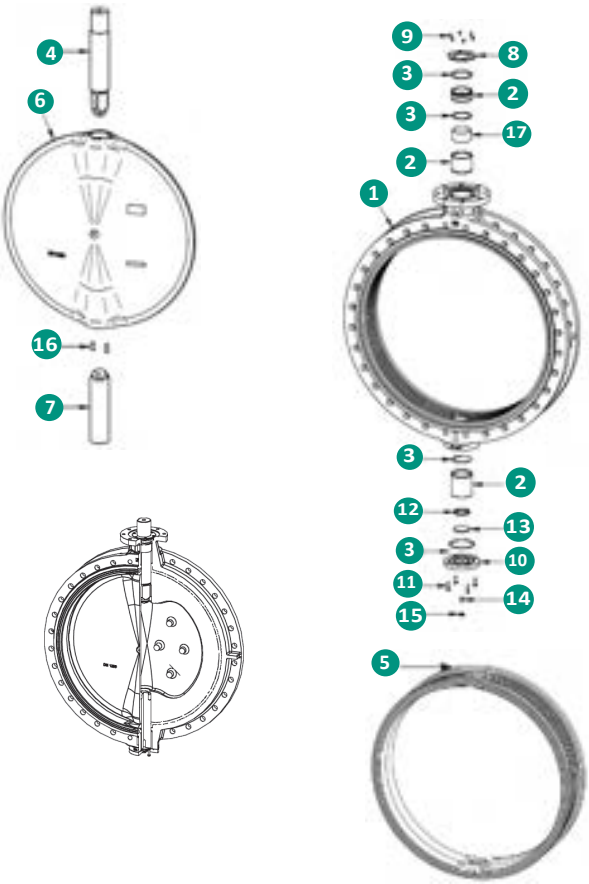


Product Specification

DN 600/1100



DN 1200/1600



DN 600/1100

N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15, Epoxy
2	Bushing	Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper Shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Stainless Steel CF8M
7	Lower Shaft	Stainless Steel AISI 420
8	Upper Cover	Carbon Steel, Epoxy Coated
9	Bolt Upper Cover	Zinc-plated Steel, DIN 7991
10	Lower Cover	Carbon Steel, Epoxy Coated
11	Seeger Ring Body	Zinc-plated Steel DIN 472
12	Screw	Zinc-plated Steel DIN 913 DN 750/1100
13	Retaining Ring Shaft	Zinc-plated Steel DIN 471 DN 600/800
14	Features Tag	Polyester

DN 1200/1600

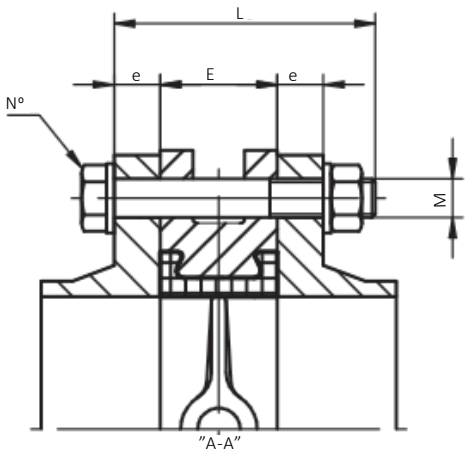
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15, Epoxy
2	Bushing	Bronze/Brass
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Stainless Steel CF8M
7	Lower Shaft	Stainless Steel AISI 420
8	Upper Cover	Carbon Steel, Epoxy Coated
9	Bolt Upper Cover	Zinc-plated Steel DIN 7991
10	Lower Cover	Carbon Steel, Epoxy Coated
11	Bolt Lower Cover	Zinc-plated Steel DIN 931
12	Lower Ring	Bronze/Brass
13	Friction Disc	Zinc-plated Steel
14	Screw	Zinc-plated Steel
15	Nut	Zinc-plated Steel
16	Keyway	Stainless Steel AISI 420
17	Bushing	Steel Bronze PTFE

FIVC Butterfly Valve

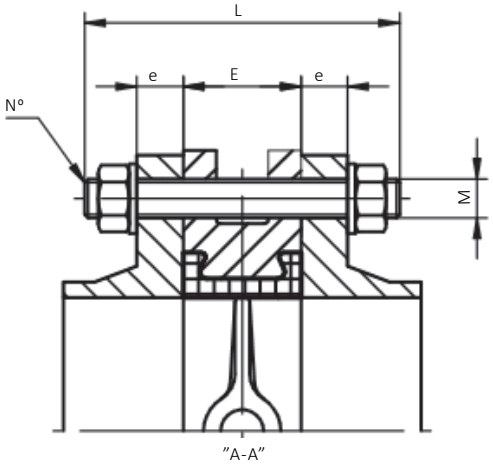
Ductile Iron – PN 16 – U-flanged – Gearbox – Replaceable – Pinless – EN 1092-2

DN 1200/1600

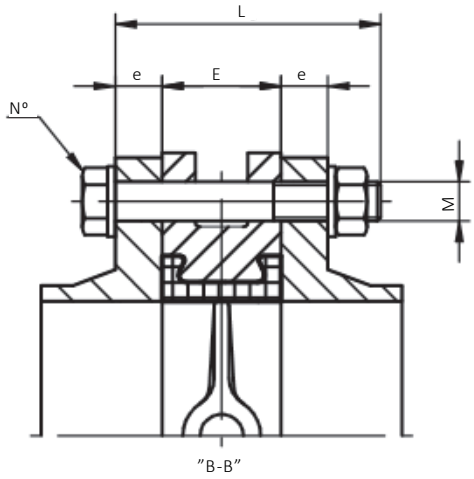
Screw



Link

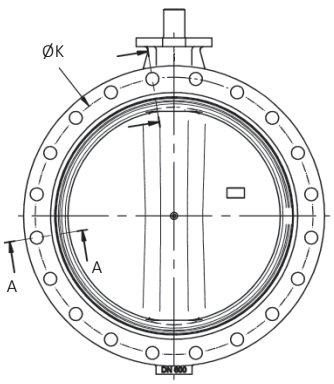


Screw Only



Product code	Size	E	K	e	M	L	L1	N°
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FLANU50100MDVENR1603	100	52	180	20	M16	110	130	8
FLANU50125MDVENR1603	125	56	210	22	M16	120	140	8
FLANU50150MDVENR1603	150	56	240	22	M20	130	150	8
FLANU50200MDVENR1603	200	60	295	24	M20	130	160	12
FLANU50250MDVENR1603	250	68	355	26	M24	150	170	12
FLANU50300MDVENR1603	300	78	410	28	M24	160	180	12
FLANU50350MDVENR1603	350	78	470	30	M24	170	190	16
FLANU50400MDVENR1603	400	102	525	32	M27	200	220	16
FLANU50450MDVENR1603	450	114	585	32	M27	210	240	16
FLANU50500MDVENR1603	500	127	650	34	M30	230	260	20
FLANU50600MDVENR1603	600	154	770	36	M33	260	290	20
FLANU50700MDVENR1603	700	165	840	36	M33	270	300	20
FLANU50750MDVENR1603	750	190	900	38	M33	300	340	20
FLANU50800MDVENR1603	800	190	950	38	M36	310	345	20
FLANU50900MDVENR1603	900	203	1050	40	M36	330	375	24
FLANU51000MDVENR1603	1000	216	1170	42	M39	345	390	24
FLANU51050MDVENR1603	1050	216						
FLANU51100MDVENR1603	1100	216	1270	48	M39	360	400	28
FLANU51200MDVENR1603	1200	254	1390	48	M45	395	445	28
FLANU51400MDVENR1603	1400	280	1590	52	M45	440	490	32
FLANU51500MDVENR1603	1500	318	1710	54	M52	490	550	32
FLANU51600MDVENR1603	1600	318	1820	58	M52	490	550	36

DN 450	PN. 10-PN.16
DN 500	ANSI 150
DN 700/1600	PN. 10-PN.16-ANSI 150



FIVC Butterfly Valve

Ductile Iron – PN 16 – U-Flanged – Gearbox – Replaceable – Pinless – EN 1092-2



FLANU series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Gearbox in Ductile Iron
- Coating: Epoxy
- USP: Maintenance and installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face acc. to EN 558-1 *(series 20)*
- Type: Drilling: ANSI 150
  Shaft: SS AISI 420
  Thread: UNC
- Tests: Hydraulic test acc. to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC (Heat Ventilation Air Conditioning)
- General services
- Irrigation
- Shipbuilding
- Powdery products
- Fire fighting

Description

FIVC Flanged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can by its high quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

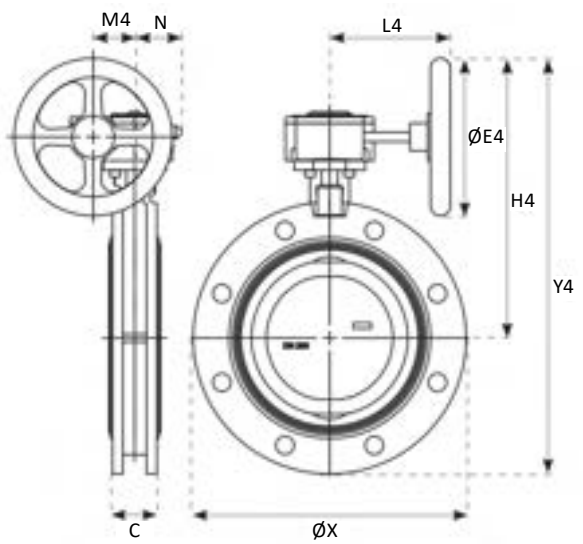
The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc	Construction	Seat	Operation
• Ductile Iron • Bronze-Alu	• w/Pin	• Vulcanized • Other seats upon request	• 15° Notch handlever • Other operations upon request

Threading	Drilling	PN	Size
• Metric • Whitworth	• PN 16 • PN 20 • PN 25	• PN 20 (w/pin) • PN 25 (w/pin)	• DN 40+

Dimensions



Product code	Size	C	X	E4	H4	Y4	L4	M4	N	Kg
FLANU50200MDVENR1604	200	60	345	200	355	527	152	52.5	59	21.0
FLANU50250MDVENR1604	250	68	406	250	442.5	652.5	222	61.2	70.5	34.3
FLANU50300MDVENR1604	300	78	480	250	468	708	222	61.2	70.5	48.9
FLANU50350MDVENR1604	350	78	535	250	498.5	766.5	222	61.2	70.5	57.9
FLANU50400MDVENR1604	400	102	597	300	572.5	880.5	278	68.8	72.5	88.1
FLANU50450MDVENR1604	450	114	640	400	630.5	970.5	321	96.5	91.5	118
FLANU50500MDVENR1604	500	127	700	400	682.5	1063	321	96.5	91.5	153
FLANU50600MDVENR1604	600	154	834	500	798.5	1239	408	137.5	140	251
FLANU50700MDVENR1604	700	165	916	600	944.5	1435	424	137.5	140	309
FLANU50750MDVENR1604	750	190	995	600	944.5	1475	456	137.5	140	390
FLANU50800MDVENR1604	800	190	1060	600	984.5	1550	456	137.5	140	436
FLANU50900MDVENR1604	900	203	1170	700	1109	1719	510	180	156	572
FLANU51000MDVENR1604	1000	216	1290	700	1184	1859	579	180	156	771
FLANU51100MDVENR1604	1100	216	1405	700	1229	1962	579	180	156	925
FLANU51200MDVENR1604	1200	254	1485	700	1310	2128	593	252.5	228	1290
FLANU51400MDVENR1604	1400	280	1735	700	1435	2404	593	252.5	228	1852
FLANU51500MDVENR1604	1500	318	1855	700	1510	2560	593	252.5	228	2205
FLANU51600MDVENR1604	1600	318	1930	700	1550	2640	593	252.5	228	2328

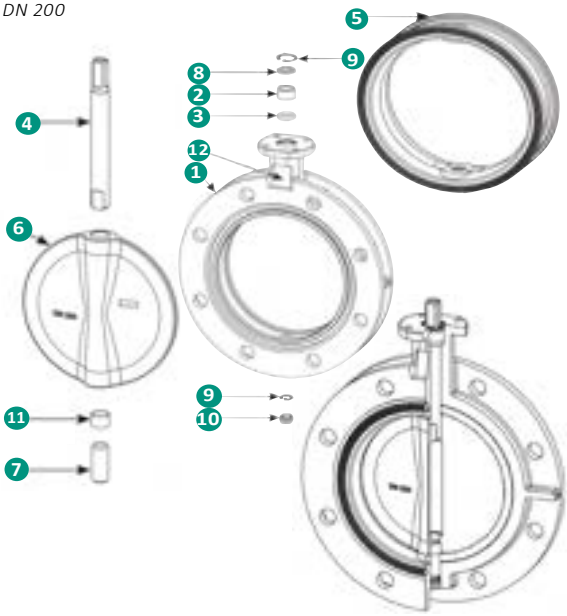
Dimensions are in millimeters

FIVC Butterfly Valve

Ductile Iron – PN 16 – U-Flanged – Gearbox – Replaceable – Pinless – EN 1092-2

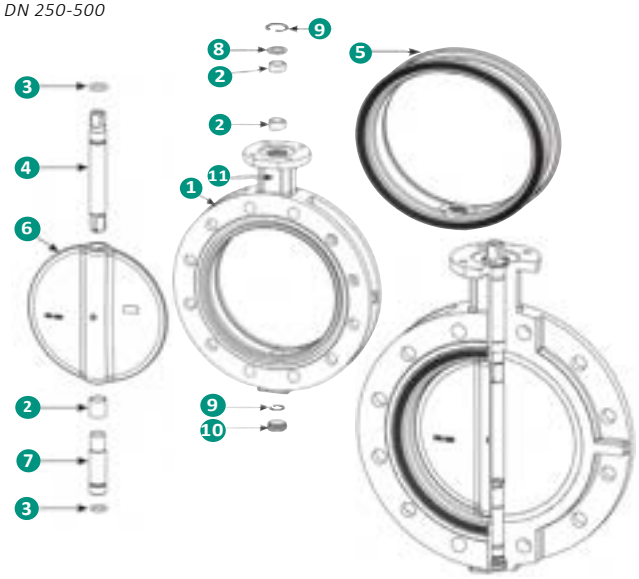
Product Specification

DN 200

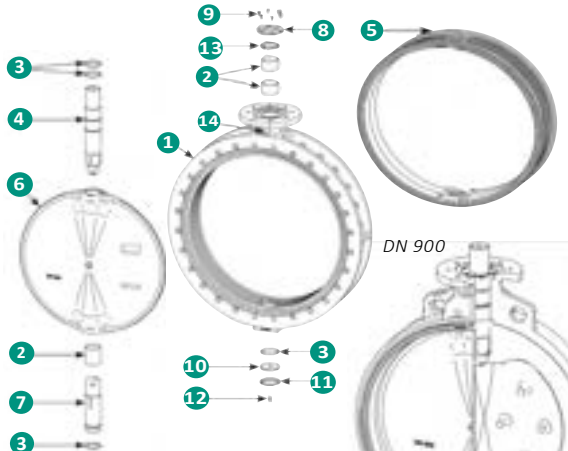


N°	Name	Material
1	Body	Ductile Iron GGG 40 + 120 microns Epoxy coating
2	Bushing	Acetal Delrin
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Stainless Steel CF8M
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel
10	Lower plug	EPDM
11	Bushing	Steel, Bronze, PTFE
12	Features Tag	Polyester

DN 250-500



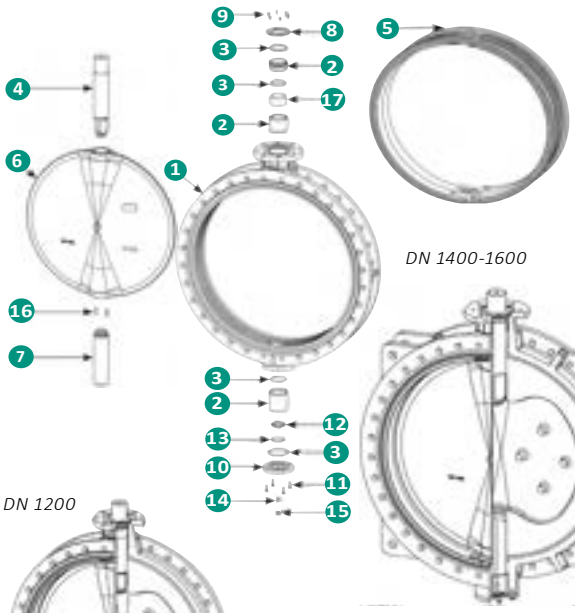
DN 600-1100



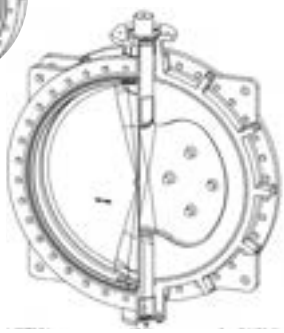
DN 900



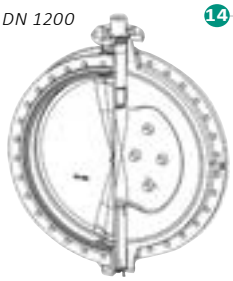
DN 1200-1600



DN 1400-1600



DN 1200



FIVC Butterfly Valve

Ductile Iron – PN 25 – U-Flanged – Gearbox – Glued – Pinless – EN 1092-2



FLANU series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Stem: Stainless Steel
- Seat: Glued EPDM
- Operation: Gearbox in Ductile Iron
- Coating: Epoxy RAL 5015 *(120 µ)*
- Dimensions: Face-to-Face acc. to EN 558-1 *(series 20)*
- Design: EN 593
- Type: Drilling: PN 25
  Shaft: SS AISI 420/1.4542
  Thread: Metric
- Hydrostatic test: EN 12266-1
  Resistance: Open valve: 37.5 Kg/cm^3
  Closed valve: 27.5 kg/cm^3

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 25 bar

- Naval industries
- Water treatment
- Filtration systems
- Water distribution
- Cooling systems

Description

FIVC U-Flanged Butterfly Valve with its glued seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Since the valve is pinless, the disc is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can easily be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu Bronze
- Ductile Iron

Construction
- w/Pin

Seat
- Vulcanized
- Replaceable

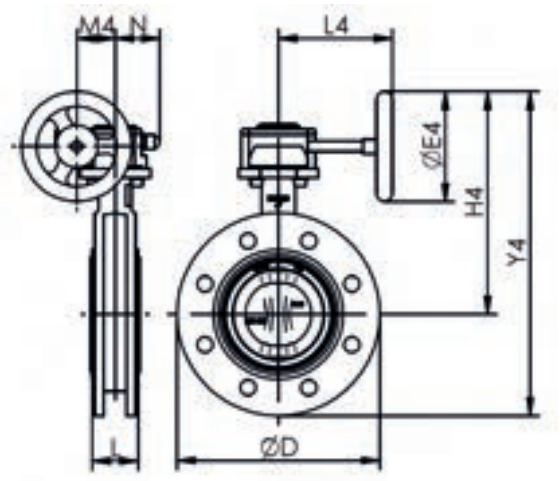
Operation
- Hand lever
- Actuator
- Other operations upon request

Drilling
- PN 16
- PN 20
- ANSI 150

PN
- PN 16 (w/pin)
- PN 20 (w/pin)

Size
- DN 40+

Dimensions



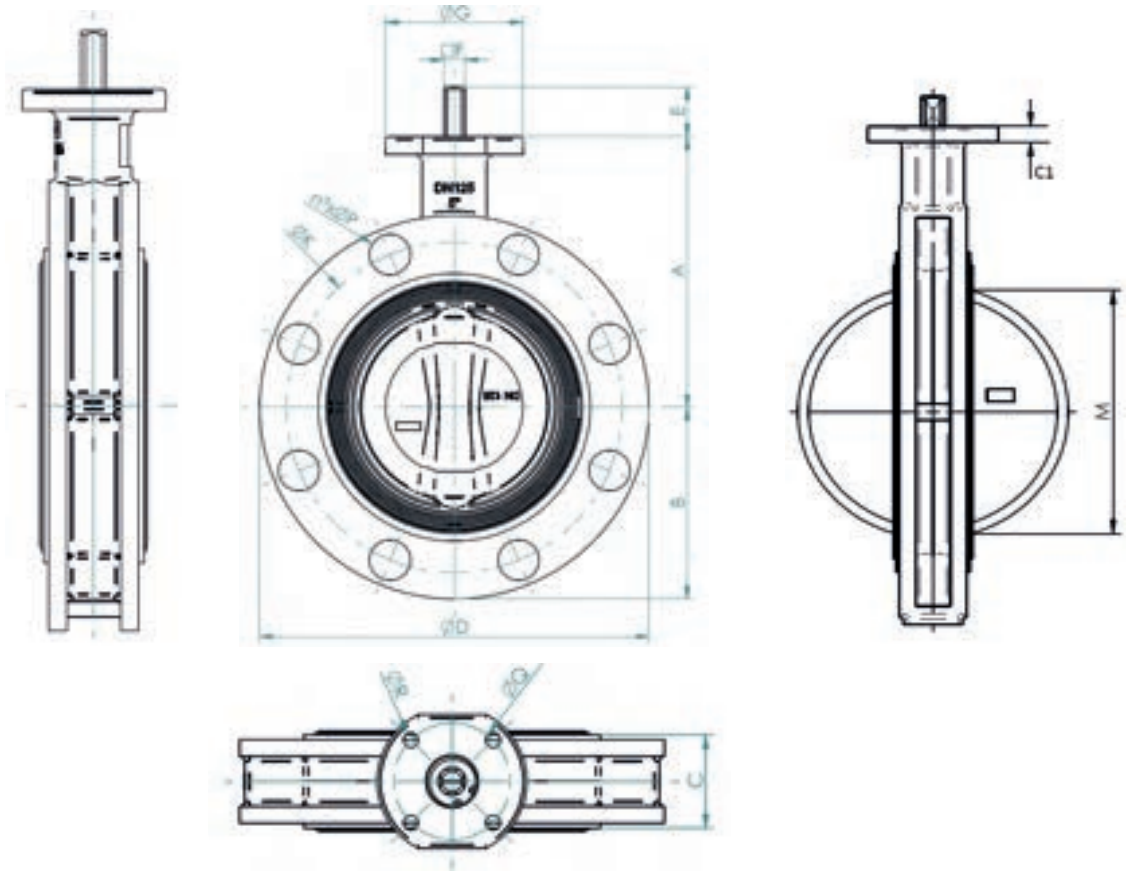
Product code	Size	D	L	E4	H4	Y4	L4	M4	N	Kg
FLANU50080MDVENG2509	80	200	46	125	229	329	129	43.5	50.5	6.6
FLANU50100MDVENG2509	100	230	52	125	253	368	129	43.5	50.5	8.3
FLANU50125MDVENG2509	125	255	56	160	286	413	135	43.5	50.5	10.9
FLANU50150MDVENG2509	150	285	56	160	298	441	135	43.5	50.5	12.5
FLANU50200MDVENG2509	200	345	60	200	355	528	152	52.5	59	21.0
FLANU110250MDVENG2509	250	406	68	250	442	652	222	61.2	70.5	34.2
FLANU110300MDVENG2509	300	480	78	250	468	708	222	61.2	70.5	48.7
FLANU110350MDVEPG2509	350	535	78	250	498	770	222	61.2	70.5	58.5
FLANU110400MDVEPG2509	400	597	102	300	572	880	277	68.8	72.5	89.0

Dimensions are in millimeters

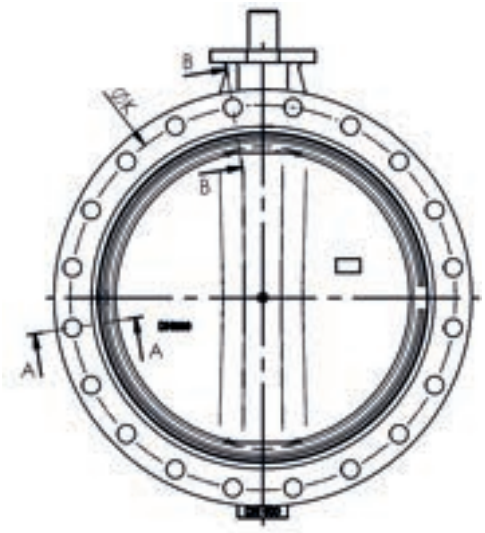
Dimensions of the bare shaft

Product code	Size	General dimensions of bare shaft															
		A	B	C	ØD	E	F	ØG	ØK	n°xØP	ISO	ØQ	ØR	M	C1	S	ØT
FLANU50080MDVENG2509	80	141	110	46	200	30	11	90	160	8xØ18	F-07	70	4x9	65	10	-	-
FLANU50100MDVENG2509	100	165	115	52	230	30	11	90	190	8xØ23	F-07	70	4x9	90	10	-	-
FLANU50125MDVENG2509	125	180	127	56	255	33	14	90	220	8xØ27	F-07	70	4x9	112	12	-	-
FLANU50150MDVENG2509	150	193	143	56	285	33	14	90	250	8xØ27	F-07	70	4x9	139	12	-	-
FLANU50200MDVENG2509	200	225	173	60	345	33	17	90	310	12xØ27	F-07	70	4x9	191	12	-	-
FLANU110250MDVENG2509	250	282.5	210	68	406	30	22	130	370	12xØ30	F-10	102	4x12	241	14	3	70
FLANU110300MDVENG2509	300	308	240	78	480	30	22	130	430	16xØ30	F-10	102	4x12	290	14	3	70
FLANU110350MDVEPG2509	350	338.5	281.5	78	535	31	27	160	490	16xØ33	F-12	125	4x12	338	14	3	70
FLANU110400MDVEPG2509	400	380	318.5	102	597	31	27	160	550	16xØ36	F-12	125	4x13	387	18	4	85

Dimensions are in millimeters



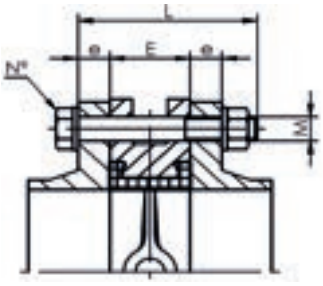
Screw assembly



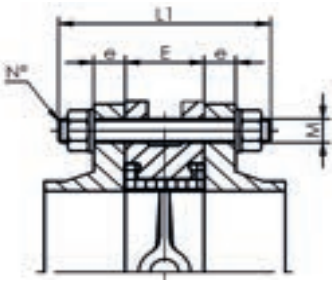
Product code	Size	E	K	e	M	L	L1	N°
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FLANU50100MDVENG2509	100	52	180	20	M16	110	130	8
FLANU50125MDVENG2509	125	56	210	22	M16	120	140	8
FLANU50150MDVENG2509	150	56	240	22	M20	130	150	8
FLANU50200MDVENG2509	200	60	295	24	M20	130	160	12
FLANU110250MDVENG2509	250	68	355	26	M24	150	170	12
FLANU110300MDVENG2509	300	78	410	28	M24	160	180	12
FLANU110350MDVEPG2509	350	78	470	30	M24	170	190	16
FLANU110400MDVEPG2509	400	102	525	32	M27	200	220	16

Dimensions are in millimeters

A-A screw

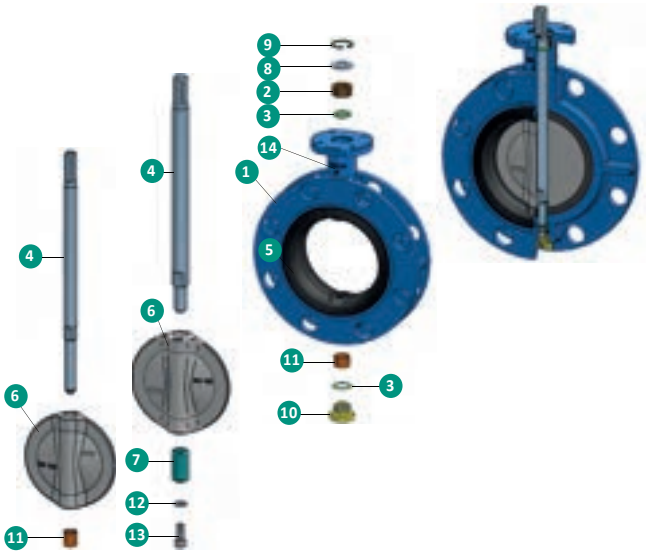


A-A Link



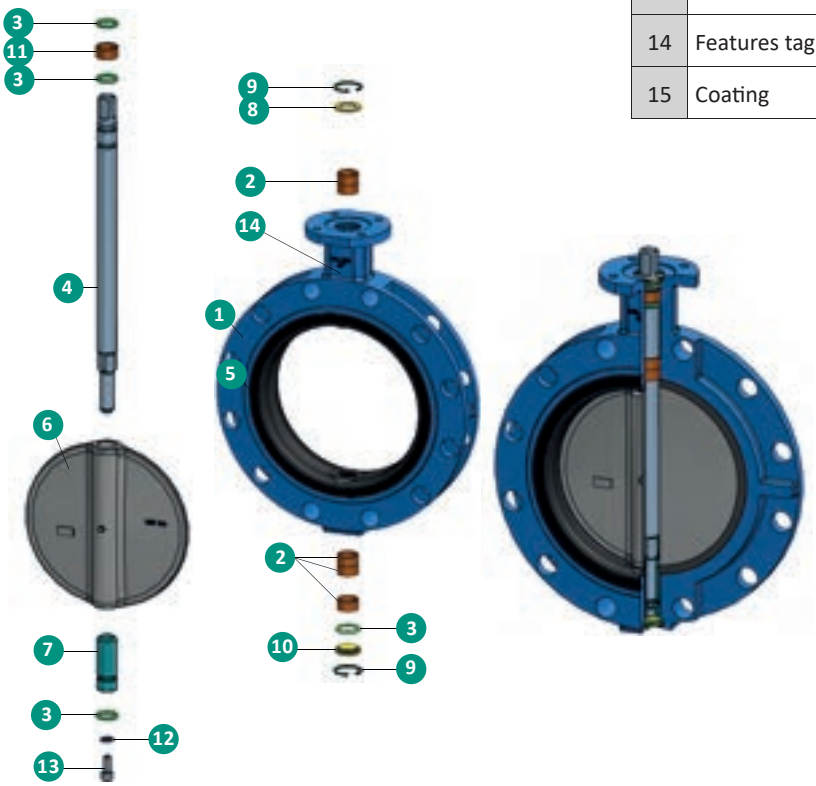
Product Specification

DN 80-100 **DN 125-200**



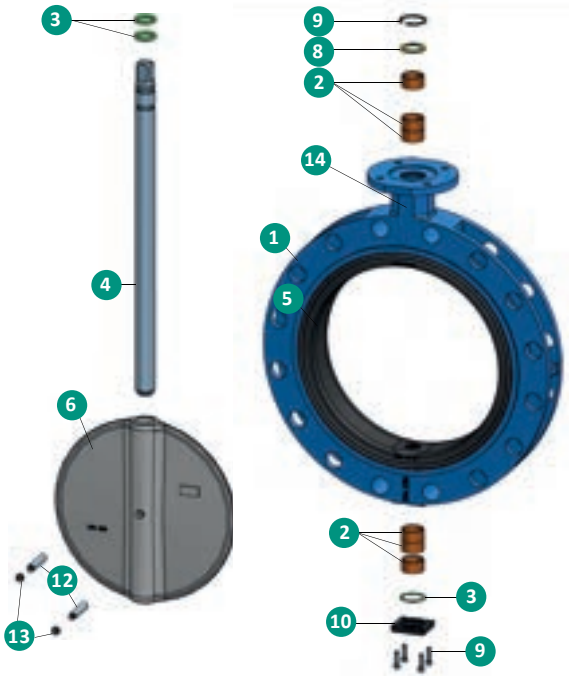
N°	Name	Material
1	Body	Ductile Iron GJS-400-15 EN 1563
2	Bushing	DN 80-200: Bronze-Brass DN 250-300: Steel-Bz-PTFE 6 Pcs.
3	O-Ring	Nitrile DN 80-100: 1 pcs. DN 125-200: 2 pcs. DN 250-300: 4 pcs.
4	Upper shaft	DN 80-100: Stainless Steel AISI 420 DN 125-300: Stainless Steel 1.4542
5	Seat	Glued EPDM
6	Disc	DN 80-200: Stainless Steel A 351 Gr. CF8M DN 250-300: Super Duplex 1.4469
7	Lower shaft	DN 125-300: Stainless Steel 1.4542
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel DIN 472 DN 80-200: 1 pcs. DN 250-300: 2 pcs.
10	Lower plug	DN 125-300: Stainless Steel AISI 420
11	Bushing	Stainless Steel-Bronze-PTFE
12	Spring lockwasher	Stainless Steel AISI 304 DIN 127 DN 125-200: 2 pcs. DN 250-300: 1 pcs.
13	Screw	DN 125-300: Stainless Steel AISI 304 DIN 912
14	Features tag	Polyester
15	Coating	Epoxy RAL 5015 - 120 µ

DN 250-300



Product Specification

DN 350-400





N°	Name	Material
1	Body	Ductile Iron GJS-400-15 EN 1563
2	Bushing	Steel-Bz-PTFE 6 Pcs.
3	O-Ring	Nitrile 2 pcs.
4	Shaft	Stainless Steel 1.4542
5	Seat	Glued EPDM
6	Disc	Super Duplex 1.4469
7	O-Ring	Nitrile
8	Retaining ring shaft	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel DIN 472 2 pcs.
10	Lower plug	Zinc-plated Steel
11	Bolt	Zinc-plated Steel DIN 912 4 pcs.
12	Conical pin	Suplex 1.4462 2 pcs.
13	Nut	Stainless Steel AISI 316 DIN 934 2 pcs.
14	Features tag	Polyester
15	Coating	Epoxy RAL 5015 - 120 µ

FIVC Butterfly Valve

Ductile Iron – PN 16 – U-flanged – Hand lever – Replaceable – Pinless – EN 1092-2



FLANU series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Alu-Bronze
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Hand lever
- Coating: Epoxy
- USP: Maintenance and installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face acc. to EN 558-1 (Ser.20)
  DIN 3202 T3 K1 - ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16 / Metric
  Shaft: SS AISI 420
- Tests: Hydraulic test acc. to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- General services
- HVAC

Description

FIVC U-flanged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high-quality rotational disc, the valve features quick shut-off function. Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance.
Furthermore, the valve can be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Stainles Steel
- Ductile Iron

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

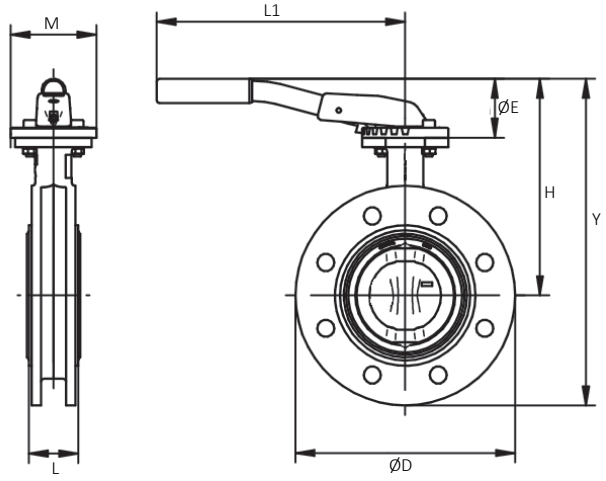
Operation
- 15° notch hand-lever
- Gearbox
- Other operations upon request

Drilling
- PN 20
- PN 25
  ANSI 150

PN
- PN 20 (w/pin)
  PN 25 (w/pin)

Size
- DN 40+

Dimensions



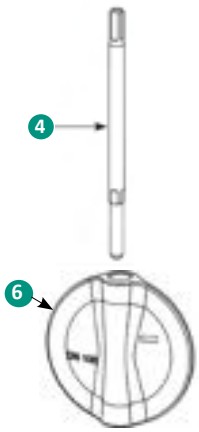
Product code	Size (DN)	L	D	E	H	Y	L1	M	Kg
FLANU40080MNENR1603	80	46	200	60	201	303	260	90	5.8
FLANU40100MNENR1603	100	52	230	60	225	340	260	90	7.6
FLANU40125MNENR1603	125	56	255	75	255	383	315	90	10.1
FLANU40150MNENR1603	150	56	285	75	268	411	315	90	11.6
FLANU40200MNENR1603	200	60	345	75	300	473	315	90	19.0

FIVC Butterfly Valve

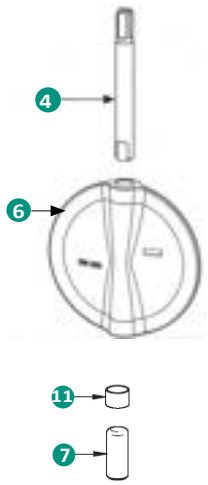
Ductile Iron – PN 16 – U-flanged – Hand lever – Replaceable – Pinless – EN 1092-2

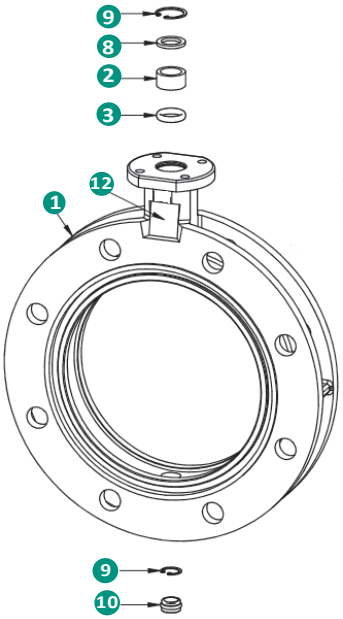
Product Specification

DN 80-100



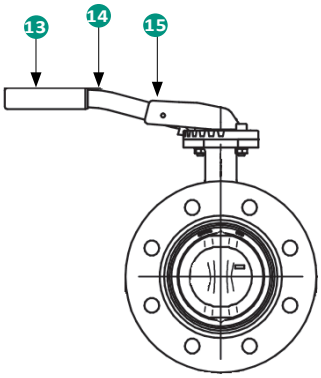
DN 125-200

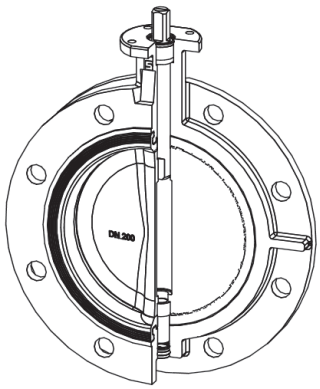




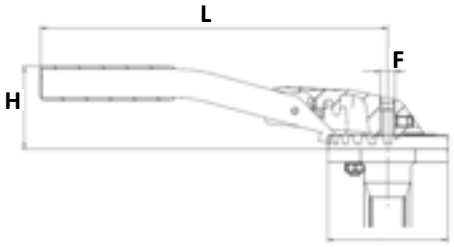


N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15, Epoxy
2	Bushing	Acetal Delrin
3	O-Ring	Nitrile
4	Upper Shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Alu-Bronze CC480K
7	Lower Shaft	Stainless Steel AISI 420 (DN 125-200)
8	Retaining Ring	Zinc-plated Steel
9	Seeger Ring Body	Zinc-plated Steel DIN 472
10	Lower Plug	EPDM (DN 125-200)
11	Bushing	Steel Bronze PTFE
12	Features Tag	Polyester
13	Hand Lever cover	Vinyl
14	Hand Lever arm	Carbon Steel, Epoxy
15	Hand Lever head	Aluminum, Epoxy





Dimensions



Product Information

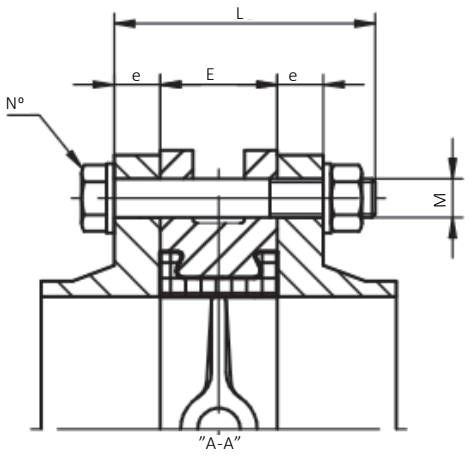
Product code	F	L	H	KG
DN 80-100	11	260	60	0.45
DN 125-150	14	315	75	0.55
DN 200	17	315	75	0.55

FIVC Butterfly Valve

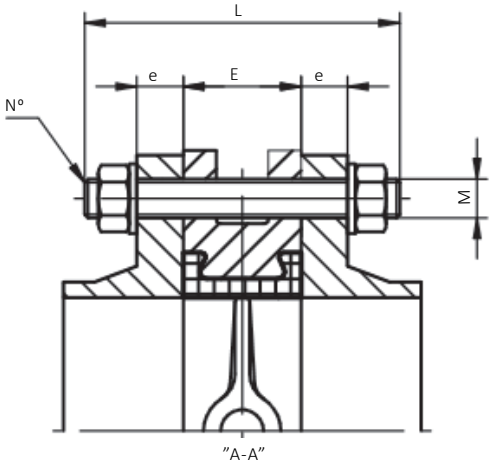
Ductile Iron – PN 16 – U-flanged – Hand lever – Replaceable – Pinless – EN 1092-2

DN 1200/1600

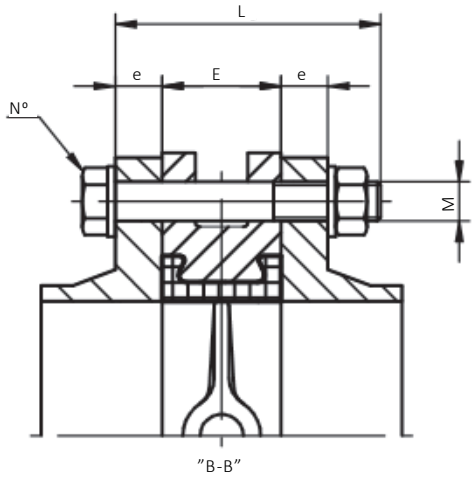
Screw



Link



Screw Only



Product code	Size	E	K	e	M	L	L1	N°
FLANU40080MNENR1603	80	46	160	20	M16	110	130	8
FLANU40100MNENR1603	100	52	180	20	M16	110	130	8
FLANU40125MNENR1603	125	56	210	22	M16	120	140	8
FLANU40150MNENR1603	150	56	240	22	M20	130	150	8
FLANU40200MNENR1603	200	60	295	24	M20	130	160	12

FIVC Butterfly Valve

Ductile Iron – PN 25 – U-Flanged – Hand lever – Glued – Pinless – EN 1092-2



FLANU series

Technical data

Main features and materials

• Body:	Ductile Iron	
• Disc:	Alu-Bronze	
• Stem:	Stainless Steel	
• Seat:	Glued EPDM	
• Operation:	Hand lever in Malleable Iron	
• Coating:	Epoxy RAL 5015 *(120 µ)*	
• Dimensions:	Face-to-Face acc. to EN 558-1 *(series 20)*	
• Design:	EN 593	
• Type:	Drilling:	PN 25
	Shaft:	SS AISI 420/1.4542
	Thread:	Metric
• Hydrostatic test:	EN 12266-1	
Resistance	Open valve: 37.5 Kg/cm³	
	Closed valve: 27.5 kg/cm³	

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 25 bar

- Filtration
- Water treatment
- Water distribution
- Cooling systems
- Naval industry

Description

FIVC U-Flanged Butterfly Valve with its glued seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Since the valve is pinless, the disc is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can easily be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Stainless Steel
- Ductile Iron

Construction
- w/Pin

Seat
- Vulcanized
- Replaceable

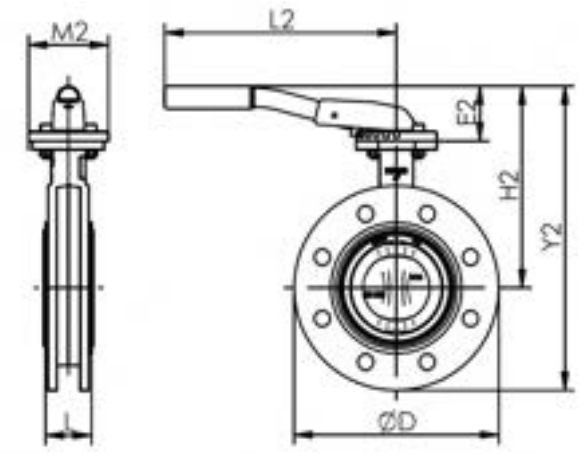
Operation
- Gearbox
- Actuator
- Other operations upon request

Drilling
- PN 16
- PN 20
- ANSI 150

PN
- PN 16 (w/pin)
- PN 20 (w/pin)

Size
- DN 40+

Dimensions



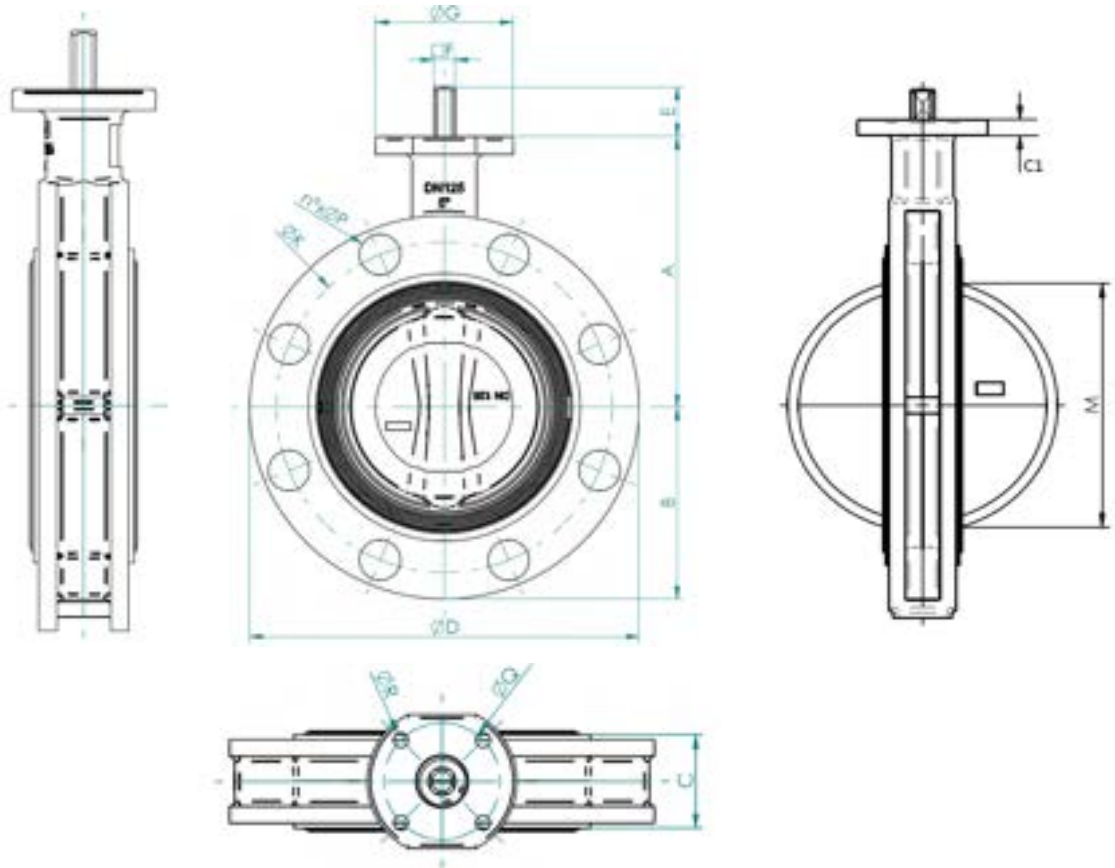
Product code	Size	D	L	E2	H2	Y2	L2	M2	Kg
FLANU40080MNENG2509	80	200	46	60	201	303	260	90	5.8
FLANU40100MNENG2509	100	230	52	60	225	340	260	90	7.6
FLANU40125MNENG2509	125	255	56	75	255	383	315	90	10.1
FLANU40150MNENG2509	150	285	56	75	268	411	315	90	11.6
FLANU40200MNENG2509	200	345	60	75	300	473	315	90	19.0

Dimensions are in millimeters

Dimensions of the bare shaft

Product code	Size	General dimensions of bare shaft													
		A	B	C	ØD	E	F	ØG	ØK	n°xØP	ISO	ØQ	ØR	M	C1
FLANU40080MNENG2509	80	141	110	46	200	30	11	90	160	8xØ18	F-07	70	4x9	65	10
FLANU40100MNENG2509	100	165	115	52	230	30	11	90	190	8xØ23	F-07	70	4x9	90	10
FLANU40125MNENG2509	125	180	127	56	255	33	14	90	220	8xØ27	F-07	70	4x9	112	12
FLANU40150MNENG2509	150	193	143	56	285	33	14	90	250	8xØ27	F-07	70	4x9	139	12
FLANU40200MNENG2509	200	225	173	60	345	33	17	90	310	12xØ27	F-07	70	4x9	191	12

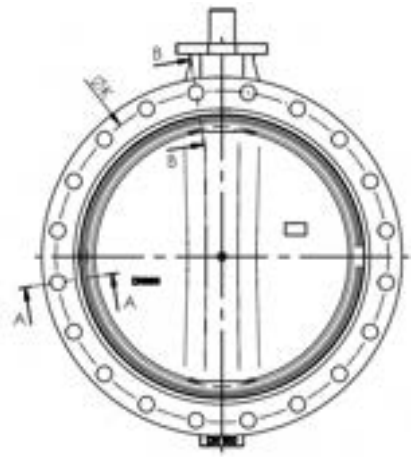
Dimensions are in millimeters



FIVC Butterfly Valve

Ductile Iron – PN 25 – U-Flanged – Hand lever – Glued – Pinless – EN 1092-2

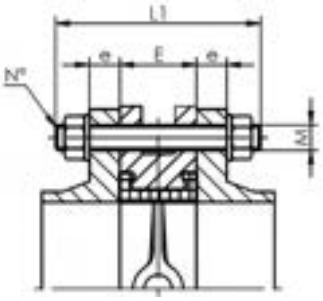
Screw assembly



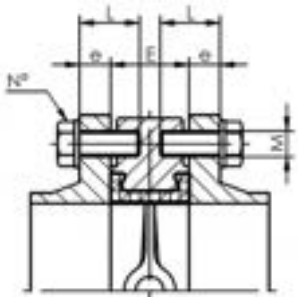
Product code	Size	E	K	e	M	L	L1	N°
FLANU40080MNENG2509	80	46	160	20	M16	110	130	8
FLANU40100MNENG2509	100	52	180	20	M16	110	130	8
FLANU40125MNENG2509	125	56	210	22	M16	120	140	8
FLANU40150MNENG2509	150	56	240	22	M20	130	150	8
FLANU40200MNENG2509	200	60	295	24	M20	130	160	12

Dimensions are in millimeters

A-A screw

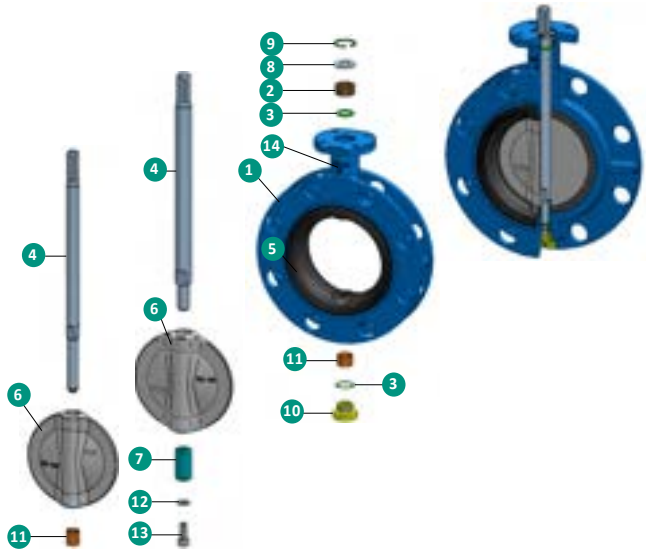


A-A Link



Product Specification

DN 80-100 **DN 125-200**



N°	Name	Material
1	Body	Ductile Iron GJS-400-15 EN 1563
2	Bushing	Bronze-Brass 6 Pcs.
3	O-Ring	Nitrile DN 80-100: 1 pcs. DN 125-200: 2 pcs.
4	Upper shaft	DN 80-100: Stainless Steel AISI 420 DN 125-200: Stainless Steel 1.4542
5	Seat	Glued EPDM
6	Disc	Alu-Bronze
7	Lower shaft	DN 125-200: Stainless Steel 1.4542
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel DIN 472 1 pcs.
10	Lower plug	DN 125-200: Stainless Steel AISI 420
11	Bushing	Stainless Steel-Bronze-PTFE
12	Lockwasher	Stainless Steel AISI 304 DIN 127 DN 125-200: 2 pcs.
13	Screw	DN 125-200: Stainless Steel AISI 304 DIN 912
14	Features tag	Polyester
15	Coating	Epoxy RAL 5015 - 120 µ

FIVC Butterfly Valve

Ductile Iron – PN 16 – U-Flanged – Gearbox – Vulcanized - w/Pin – EN 1092-2



FLANU series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Alu-Bronze
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: EPDM Vulcanized
- Operation: Gearbox in Ductile Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- Standard: Standard acc. to BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 16
- Testing: Shell pressure: 2.4 MPa
  Seal pressure: 1.76 MPa
- Tests: Inspection test acc. to BS EN 12266-1

Field of applications

- Temperature range: -15 to 120 °C
- Max. working pressure: 16 bar

- Petrochemical industry
- Irrigation systems
- Mining and infrastructure industries
- Shipyard industry
- Compressed air
- Textile industry
- Mechanical industry
- Steam applications
- Other various industries

Description

FIVC Flanged Butterfly Valve with its vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high-quality rotational disc, the valve features a quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions. The vulcanized seat ensures that the valve is both suitable for center service and end-of-line service. Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been manufactured and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Ductile Iron
- Stainless Steel

Construction
- Replaceable

Seat
- Replaceable
- Other seats upon request

Operation
- 15° Notch hand lever
- Other operations upon request

Threading
- UNC
- Whitworth

Drilling
- PN 10
- PN 20
- PN 25
  ANSI 150

PN
- PN 10
- PN 20
- PN 25

Size
- DN 40+

Product Information

Product code	Size	ØD	H	H1	P.C.D	N-m	a°	C	L	L1	L2	L3	L4	L5	ØV	N-ØD	F	V	Q	Kg	OTV *(N.m)*	BTV *(N.m)*	Gearbox		
																							Output N-M	Ratio	N° of turns
FLANU40150MDVEPV1623	150	285	226	139	Ø240	-	22.5°	65	56	-	-	-	-	-	135	8-Ø23	154	-	-	23	102	291	200	24:1	6
FLANU40200MDVEPV1623	200	340	260	175	Ø295	-	15°	77	60	-	-	-	-	-	285	12-Ø23	225	-	-	33	192	465	500	30:1	7.5
FLANU40250MDVEPV1623	250	405	292	203	Ø355	-	15°	77	68	-	-	-	-	-	285	12-Ø28	225	-	-	55	323	993	500	30:1	7.5
FLANU40300MDVEPV1623	300	460	313	242	Ø410	-	15°	80	78	-	-	-	-	-	285	12-Ø28	215	-	-	75	490	1360	1200	50:1	12.5
FLANU40350MDVEPV1623	350	520	368	263	Ø470	-	11.25°	80	78	-	-	-	-	-	285	16-Ø28	215	-	-	85	625	1360	1200	50:1	12.5
FLANU40400MDVEPV1623	400	580	400	297	Ø525	4-M27	11.25°	99	102	-	-	-	-	-	385	12-Ø31	277	-	-	130	846	2356	1800	80:1	20
FLANU40450MDVEPV1623	450	640	422	315	Ø585	4-M27	9°	99	114	-	-	-	-	-	385	16-Ø31	277	-	-	200	1131	3394	1800	80:1	20
FLANU40500MDVEPV1623	500	715	480	380	Ø650	4-M30	9°	-	127	107	100	156	168	107	285	16-Ø34	-	190	335.0	260	1431	4120	2500	506:1	140
FLANU40600MDVEPV1623	600	840	562	444	Ø770	4-M33	9°	-	154	131	125	160	224	146	385	16-Ø37	-	280	420.0	400	2301	6781	4000	640:1	160
FLANU40650MDVEPV1623	650	870	524	476	Ø790	4-M33	7.5°		172	173	162	197	244	173	425	20-Ø37	-	255	435.0	470	3800	10961	8000	704:1	176
FLANU40700MDVEPV1623	700	910	560	450	Ø840	4-M33	7.5°	-	165	173	162	197	244	173	425	20-Ø37	-	290	455.0	500	4253	10961	8000	704:1	176
FLANU40750MDVEPV1623	750	995	660	559	Ø927	4-M33	7.5°		165	173	146	200	224	146	425	20-Ø37	-	280	497.5	485	4980	10961	8000	704:1	176
FLANU40800MDVEPV1623	800	1025	626	539	Ø950	4-M36	7.5°	-	190	173	162	197	244	173	425	20-Ø41	-	350	512.5	600	5600	10961	8000	704:1	176
FLANU40900MDVEPV1623	900	1125	720	656	Ø1050	4-M36	6.4°	-	203	201	196	203	280	201	425	24-Ø41	-	380	526.5	750	6834	18188	15000	704:1	176
FLANU41000MDVEPV1623	1000	1255	800	700	Ø1270	4-M39	5.6°	-	216	201	196	203	280	201	425	24-Ø42	-	425	627.5	950	11603	26477	15000	704:1	176
FLANU41100MDVEPV1623	1100	1355	826	751	Ø1270	4-M39	5.6°		254	185	240	210	310	255	425	28-Ø44	-	460	685.0	1100	14000	26477	25000	850:1	212.5
FLANU41200MDVEPV1623	1200	1485	938	869	Ø1390	4-M45	5.6°	-	276	185	240	210	310	255	425	28-Ø50	-	500	742.5	1300	16321	49909	25000	850:1	212.5

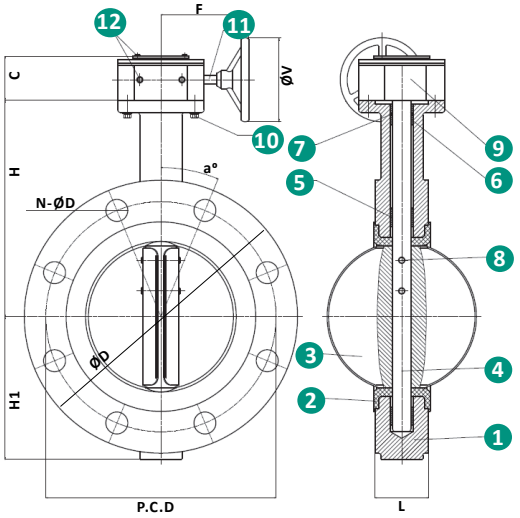
Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value

FIVC Butterfly Valve

Ductile Iron – PN 16 – U-Flanged – Gearbox – Vulcanized - w/Pin – EN 1092-2

Dimensions

DN 150-350

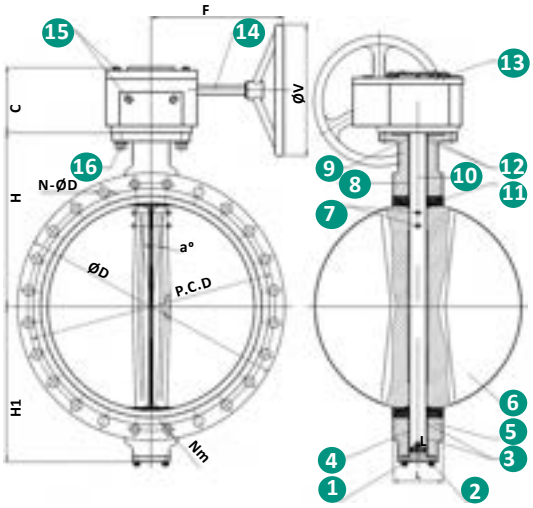


Product Specification

DN 150-350

N°	Name	Material
1	Body	Ductile Iron GGG40
2	Seat	EPDM (Vulcanized)
3	Disc	Alu-Bronze C95400
4	Stem	Stainless Steel 431
5	Bushing (long)	Copper
6	Bushing (short)	Copper
7	O-Ring	NBR rubber
8	Taper Pin	Stainless Steel 316
9	Gearbox	Ductile Iron GGG40
10	Bolts	Stainless Steel 316
11	Input shaft	Stainless Steel 304
12	Bolts	Stainless Steel 304

DN 400-450



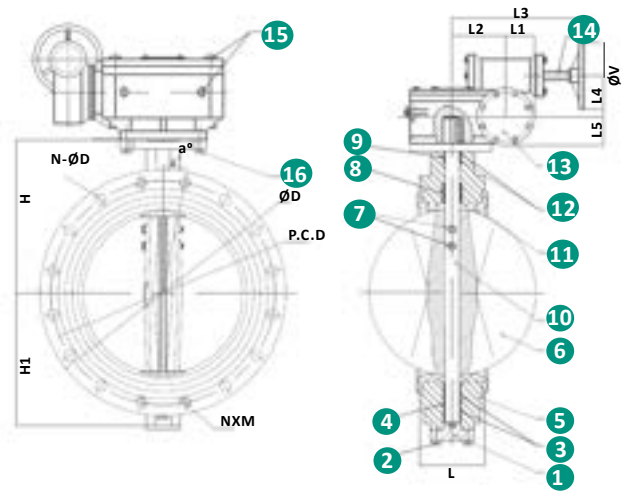
DN 400-450

N°	Name	Material
1	Cover	Ductile Iron GGG40
2	Bolts	Stainless Steel 316
3	Bushing	Copper
4	O-Ring	NBR rubber
5	Body	Ductile Iron GGG40
6	Disc	Alu-Bronze C95400
7	Taper Pin	Stainless Steel 316
8	Bushing	Copper
9	O-Ring	NBR rubber
10	Stem	Stainless Steel 431
11	Seat	EPDM (Vulcanized)
12	Bushing	Copper
13	Gear box	Ductile Iron GGG40
14	Input shaft	Stainless Steel 304
15	Bolts	Stainless Steel 304
16	Bolts	Stainless Steel 316

FIVC Butterfly Valve

Ductile Iron – PN 16 – U-Flanged – Gearbox – Vulcanized - w/Pin – EN 1092-2

DN 500-1200

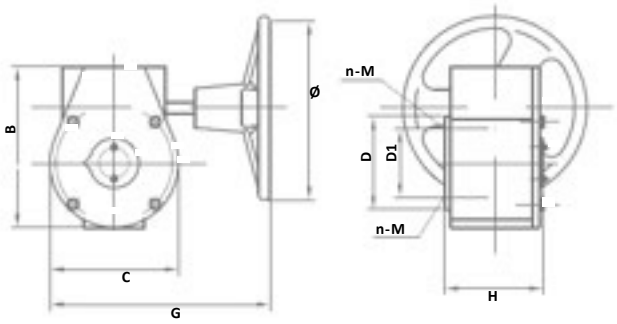


DN 500-1200

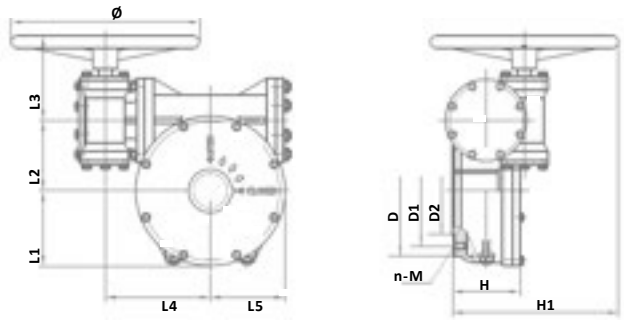
N°	Name	Material
1	Cover	Ductile Iron GGG40
2	Bolts	Stainless Steel 316
3	Bushing	Copper
4	O-Ring	NBR rubber
5	Body	Ductile Iron GGG40
6	Disc	Alu-Bronze C95400
7	Taper Pin	Stainless Steel 316
8	Bushing	Copper
9	O-Ring	NBR rubber
10	Stem	Stainless Steel 431
11	Seat	EPDM (Vulcanized)
12	Bushing	Copper
13	Gear box	Ductile Iron GGG40
14	Input shaft	Stainless Steel 304
15	Bolts	Stainless Steel 304
16	Bolts	Stainless Steel 316

Gearbox Specification

DN 150-450



DN 500-1200



Gearbox Dimensions

DN 150-450

Valve size (DN)	B	C	D	D1	H	G	Φ
150	125	102	90	50/70	65	203	135
200/250	167	141	90/125	70/102	79	295	285
300/350	188	152	125/175	102/140	80	291	285
400/450	279	247	210	165	109	336	390

**Dimensions are in millimeters*

Gearbox Dimensions

DN 500-1200

Valve size (DN)	L2	L1	L3	D	D1	D2	H	H1	L4	L5	Φ	n-M
500	100	107	156	210	165	130	125	271	168	107	285	4-M20
600	125	131	160	210	165	130	136	330	193	131	385	4-M20
700-800	140	146	197	300	254	200	149	378	230	146	425	8-M16
900-1000	162	173	197	300	254	200	155	377	246	173	425	8-M16
1100-1200	240	185	203	350	298	230	194	399	303	251	425	8-M20

**Dimensions are in millimeters*

FIVC Butterfly Valve

Ductile Iron – PN 10 – U-Flanged – Gearbox – Replaceable - w/Pin – EN 1092-2



FLANU series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Alu-Bronze
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: EPDM Replaceable
- Operation: Gearbox in Ductile Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- Standard: Standard acc. to BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 10
- Testing: Shell pressure: 1.5 MPa
  Seal pressure: 1.1 MPa
- Tests: Inspection test acc. to BS EN 12266-1

Field of applications

- Temperature range: -15 to 120 °C
- Max. working pressure: 10 bar

- Petrochemical industry
- Irrigation systems
- Mining and infrastructure industries
- Shipyard industry
- Compressed air
- Textile industry
- Mechanical industry
- Steam applications
- Other various industries

Description

FIVC Flanged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions.

Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Ductile Iron
- Stainless Steel

Construction
- Vulcanized

Seat
- Vulcanized
- Other seats upon request

Operation
- 15° Notch hand lever
- Other operations upon request

Threading
- UNC
- Whitworth

Drilling
- PN 16
- PN 20
- PN 25
- ANSI 150

PN
- PN 16
- PN 20
- PN 25

Size
- DN 40+

Product Information

Product code	Size (DN)	ØD	H	H1	P.C.D	N-m	a°	C	L	L1	L2	L3	L4	L5	ØV	N-ØD	F	Kg	OTV (N.m)	BTV (N.m)	Gearbox		
																					Output N-M	Ratio	N° of turns
FLANU40150MDVEPR1015	150	285	226	139	Ø240	-	22.5°	65	56	-	-	-	-	-	135	8-Ø23	154	23	102	291	200	24:1	6
FLANU40200MDVEPR1015	200	340	260	175	Ø295	-	22.5°	77	60	-	-	-	-	-	285	8-Ø23	225	33	192	465	500	30:1	7.5
FLANU40250MDVEPR1015	250	405	292	203	Ø350	-	15°	77	68	-	-	-	-	-	285	12-Ø23	225	55	323	993	500	30:1	7.5
FLANU40300MDVEPR1015	300	460	313	242	Ø400	-	15°	80	78	-	-	-	-	-	285	12-Ø23	215	75	490	1360	1200	50:1	12.5
FLANU40350MDVEPR1015	350	520	368	263	Ø460	-	11.25°	80	78	-	-	-	-	-	285	16-Ø23	215	85	625	1360	1200	50:1	12.5
FLANU40400MDVEPR1015	400	565	400	297	Ø515	4-M24	11.25°	99	102	-	-	-	-	-	385	12-Ø28	277	130	846	2356	1800	80:1	20
FLANU40450MDVEPR1015	450	615	422	315	Ø565	4-M24	9°	99	114	-	-	-	-	-	385	16-Ø28	277	200	1131	3394	1800	80:1	20
FLANU40500MDVEPR1015	500	670	460	360	Ø620	4-M24	9°	-	127	107	100	156	168	107	285	16-Ø28	-	260	1431	4120	2500	506:1	140
FLANU40600MDVEPR1015	600	780	520	430	Ø725	4-M27	9°	-	154	131	125	160	224	146	385	16-Ø31	-	400	2301	6781	4000	640:1	160
FLANU40700MDVEPR1015	700	895	629	512	Ø840	4-M27	7.5°	-	165	173	162	197	244	173	425	20-Ø31	-	500	4253	10961	8000	704:1	176
FLANU40800MDVEPR1015	800	1015	666	576	Ø950	4-M30	7.5°	-	190	173	162	197	244	173	425	20-Ø34	-	600	5600	10961	8000	704:1	176
FLANU40900MDVEPR1015	900	1115	720	636	Ø1050	4-M30	6.4°	-	203	201	196	203	280	201	425	24-Ø34	-	750	6834	18188	15000	704:1	176
FLANU41000MDVEPR1015	1000	1230	800	700	Ø1160	4-M33	6.4°	-	216	201	196	203	280	201	425	24-Ø37	-	950	11603	26477	15000	704:1	176
FLANU41100MDVEPR1015	1100	1340	826	741	Ø1270	4-M33	5.6°		254	185	240	210	310	255	425	28-Ø37	-	1100	14000	26477	25000	850:1	212.5
FLANU41200MDVEPR1015	1200	1455	941	844	Ø1380	4-M36	5.6°	-	276	185	240	210	310	255	425	28-Ø41	-	1300	16321	49909	25000	850:1	212.5

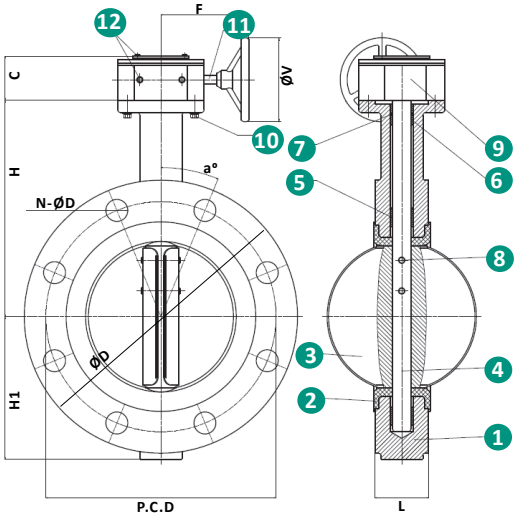
Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value

FIVC Butterfly Valve

Ductile Iron – PN 10 – U-Flanged – Gearbox – Replaceable - w/Pin – EN 1092-2

Dimensions

DN 150-350

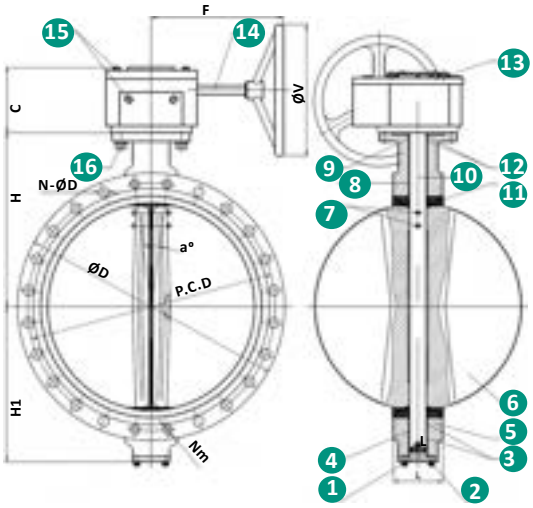


Product Specification

DN 150-350

N°	Name	Material
1	Body	Ductile Iron GGG40
2	Seat	EPDM (Replaceable)
3	Disc	Alu-Bronze C95400
4	Stem	Stainless Steel 431
5	Bushing (long)	Copper
6	Bushing (short)	Copper
7	O-Ring	NBR rubber
8	Pin	Stainless Steel 316
9	Gearbox	Ductile Iron GGG40
10	Bolts	Stainless Steel 316
11	Input shaft	Stainless Steel 304
12	Bolts	Stainless Steel 304

DN 400-450



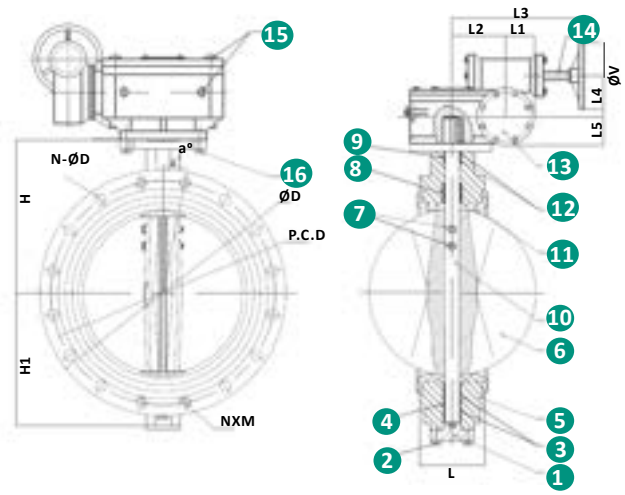
DN 400-450

N°	Name	Material
1	Cover	Ductile Iron GGG40
2	Bolts	Stainless Steel 316
3	Bushing	Copper
4	O-Ring	NBR rubber
5	Body	Ductile Iron GGG40
6	Disc	Alu-Bronze C95400
7	Pin	Stainless Steel 316
8	Bushing	Copper
9	O-Ring	NBR rubber
10	Stem	Stainless Steel 431
11	Seat	EPDM (Replaceable)
12	Bushing	Copper
13	Gear box	Ductile Iron GGG40
14	Input shaft	Stainless Steel 304
15	Bolts	Stainless Steel 304
16	Bolts	Stainless Steel 316

FIVC Butterfly Valve

Ductile Iron – PN 10 – U-Flanged – Gearbox – Replaceable - w/Pin – EN 1092-2

DN 500-1200

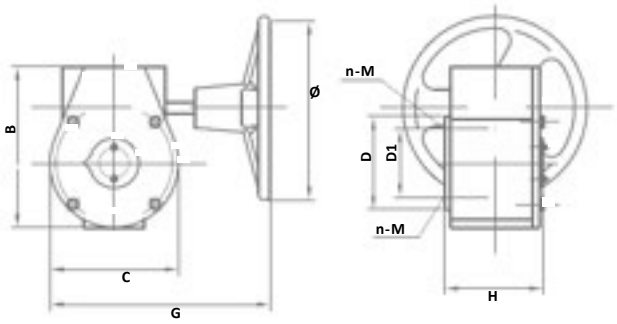


DN 500-1200

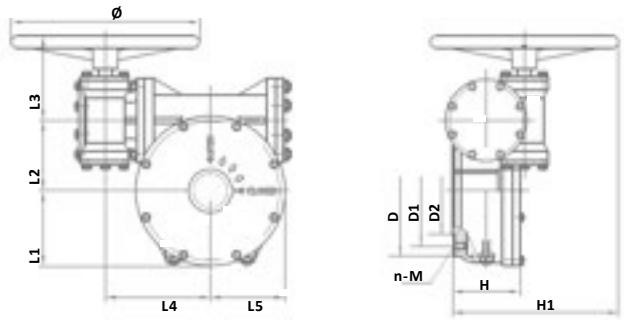
N°	Name	Material
1	Cover	Ductile Iron GGG40
2	Bolts	Stainless Steel 316
3	Bushing	Copper
4	O-Ring	NBR rubber
5	Body	Ductile Iron GGG40
6	Disc	Alu-Bronze C95400
7	Pin	Stainless Steel 316
8	Bushing	Copper
9	O-Ring	NBR rubber
10	Stem	Stainless Steel 431
11	Seat	EPDM (Replaceable)
12	Bushing	Copper
13	Gear box	Ductile Iron GGG40
14	Input shaft	Stainless Steel 304
15	Bolts	Stainless Steel 304
16	Bolts	Stainless Steel 316

Gearbox Specification

DN 150-450



DN 500-1200



Gearbox Dimensions

DN 150-450

Valve size *(DN)*	B	C	D	D1	H	G	Φ
150	125	102	90	50/70	65	203	135
200/250	167	141	90/125	70/102	79	295	285
300/350	188	152	125/175	102/140	80	291	285
400/450	279	247	210	165	109	336	390

**Dimensions are in millimeters*

Gearbox Dimensions

DN 500-1200

Valve size *(DN)*	L2	L1	L3	D	D1	D2	H	H1	L4	L5	Φ	n-M
500	100	107	156	210	165	130	125	271	168	107	285	4-M20
600	125	131	160	210	165	130	136	330	193	131	385	4-M20
700-800	140	146	197	300	254	200	149	378	230	146	425	8-M16
900-1000	162	173	197	300	254	200	155	377	246	173	425	8-M16
1100-1200	240	185	203	350	298	230	194	399	303	251	425	8-M20

**Dimensions are in millimeters*

FIVC Butterfly Valve

Ductile Iron – PN 10 – U-Flanged – Gearbox – Vulcanized - w/Pin – EN 1092-2



FLANU series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Alu-Bronze
- Pin: Stainless Steel
- Stem: Stainless Steel
- Seat: EPDM Vulcanized
- Operation: Gearbox in Ductile Iron
- Coating: RAL 5015 *(thickness 250 micron)*
- Standard: Standard acc. to BS EN 593
- Dimensions: Face-to-Face acc. to BS EN 558 *(series 20)*
- Type: Drilling: PN 10
- Testing: Shell pressure: 1.5 MPa
  Seal pressure: 1.1 MPa
- Tests: Inspection test acc. to BS EN 12266-1

Field of applications

- Temperature range: -15 to 120 °C
- Max. working pressure: 10 bar

- Petrochemical industry
- Irrigation systems
- Mining and infrastructure industries
- Shipyard industry
- Compressed air
- Textile industry
- Mechanical industry
- Steam applications
- Other various industries

Description

FIVC Flanged Butterfly Valve with its vulcanized seat is designed to be installed in pipelines for isolating or regulating purposes. With its high-quality rotational disc, the valve features a quick shut-off function.

Due to the integrated pin in the disc, the butterfly valve features much higher strength and can work in higher pressure conditions. The vulcanized seat ensures that the valve is both suitable for center service and end-of-line service. Furthermore, the valve can by the high-quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been manufactured and tested in accordance with the European PED Directive Nº 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Ductile Iron
- Stainless Steel

Construction
- Replaceable

Seat
- Replaceable
- Other seats upon request

Operation
- 15° Notch hand lever
- Other operations upon request

Threading
- UNC
- Whitworth

Drilling
- PN 16
- PN 20
- PN 25
- ANSI 150

PN
- PN 16
- PN 20
- PN 25

Size
- DN 40+

Product Information

Product code	Size	ØD	H	H1	P.C.D	N-m	a°	C	L	L1	L2	L3	L4	L5	ØV	N-ØD	F	Kg	OTV *(N.m)*	BTV *(N.m)*	Gearbox		
																					Output N-M	Ratio	N° of turns
FLANU40150MDVEPV1015	150	285	226	139	Ø240	-	22.5°	65	56	-	-	-	-	-	135	8-Ø23	154	23	102	291	200	24:1	6
FLANU40200MDVEPV1015	200	340	260	175	Ø295	-	22.5°	77	60	-	-	-	-	-	285	8-Ø23	225	33	192	465	500	30:1	7.5
FLANU40250MDVEPV1015	250	405	292	203	Ø350	-	15°	77	68	-	-	-	-	-	285	12-Ø23	225	55	323	993	500	30:1	7.5
FLANU40300MDVEPV1015	300	460	313	242	Ø400	-	15°	80	78	-	-	-	-	-	285	12-Ø23	215	75	490	1360	1200	50:1	12.5
FLANU40350MDVEPV1015	350	520	368	263	Ø460	-	11.25°	80	78	-	-	-	-	-	285	16-Ø23	215	85	625	1360	1200	50:1	12.5
FLANU40400MDVEPV1015	400	565	400	297	Ø515	4-M24	11.25°	99	102	-	-	-	-	-	385	12-Ø28	277	130	846	2356	1800	80:1	20
FLANU40450MDVEPV1015	450	615	422	315	Ø565	4-M24	9°	99	114	-	-	-	-	-	385	16-Ø28	277	200	1131	3394	1800	80:1	20
FLANU40500MDVEPV1015	500	670	460	360	Ø620	4-M24	9°	-	127	107	100	156	168	107	285	16-Ø28	-	260	1431	4120	2500	506:1	140
FLANU40600MDVEPV1015	600	780	520	430	Ø725	4-M27	9°	-	154	131	125	160	224	146	385	16-Ø31	-	400	2301	6781	4000	640:1	160
FLANU40700MDVEPV1015	700	895	629	512	Ø840	4-M27	7.5°	-	165	173	162	197	244	173	425	20-Ø31	-	500	4253	10961	8000	704:1	176
FLANU40800MDVEPV1015	800	1015	666	576	Ø950	4-M30	7.5°	-	190	173	162	197	244	173	425	20-Ø34	-	600	5600	10961	8000	704:1	176
FLANU40900MDVEPV1015	900	1115	720	636	Ø1050	4-M30	6.4°	-	203	201	196	203	280	201	425	24-Ø34	-	750	6834	18188	15000	704:1	176
FLANU41000MDVEPV1015	1000	1230	800	700	Ø1160	4-M33	6.4°	-	216	201	196	203	280	201	425	24-Ø37	-	950	11603	26477	15000	704:1	176
FLANU41100MDVEPRV015	1100	1340	826	741	Ø1270	4-M33	5.6°		254	185	240	210	310	255	425	28-Ø37	-	1100	14000	26477	25000	850:1	212.5
FLANU41200MDVEPV1015	1200	1455	941	844	Ø1380	4-M36	5.6°	-	276	185	240	210	310	255	425	28-Ø41	-	1300	16321	49909	25000	850:1	212.5

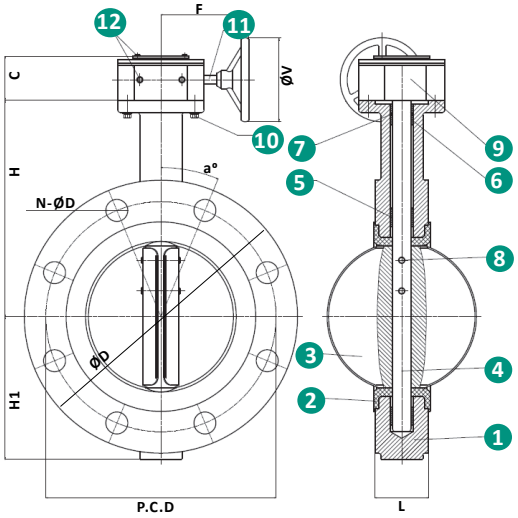
Dimensions are in millimeters • OTV: Operation Torque Value • BTV: Breaking Torque Value

FIVC Butterfly Valve

Ductile Iron – PN 10 – U-Flanged – Gearbox – Vulcanized - w/Pin – EN 1092-2

Dimensions

DN 150-350

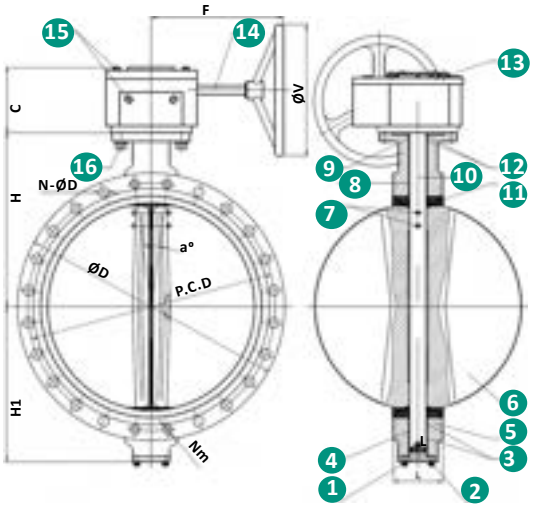


Product Specification

DN 150-350

N°	Name	Material
1	Body	Ductile Iron GGG40
2	Seat	EPDM (Vulcanized)
3	Disc	Alu-Bronze C95400
4	Stem	Stainless Steel 431
5	Bushing (long)	Copper
6	Bushing (short)	Copper
7	O-Ring	NBR rubber
8	Pin	Stainless Steel 316
9	Gearbox	Ductile Iron GGG40
10	Bolts	Stainless Steel 316
11	Input shaft	Stainless Steel 304
12	Bolts	Stainless Steel 304

DN 400-450



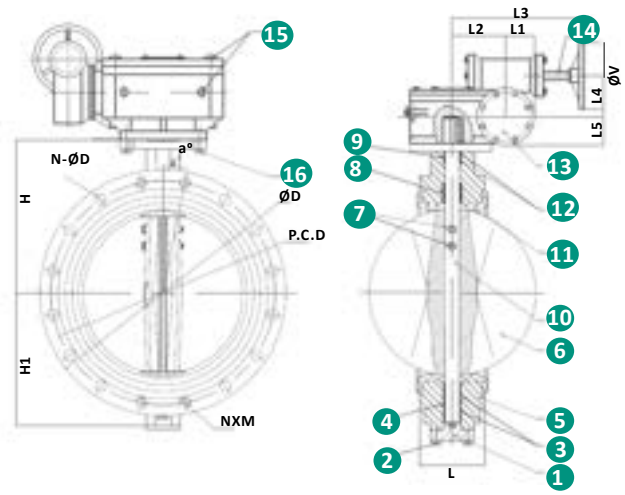
DN 400-450

N°	Name	Material
1	Cover	Ductile Iron GGG40
2	Bolts	Stainless Steel 316
3	Bushing	Copper
4	O-Ring	NBR rubber
5	Body	Ductile Iron GGG40
6	Disc	Alu-Bronze C95400
7	Pin	Stainless Steel 316
8	Bushing	Copper
9	O-Ring	NBR rubber
10	Stem	Stainless Steel 431
11	Seat	EPDM (Vulcanized)
12	Bushing	Copper
13	Gear box	Ductile Iron GGG40
14	Input shaft	Stainless Steel 304
15	Bolts	Stainless Steel 304
16	Bolts	Stainless Steel 316

FIVC Butterfly Valve

Ductile Iron – PN 10 – U-Flanged – Gearbox – Vulcanized - w/Pin – EN 1092-2

DN 500-1200

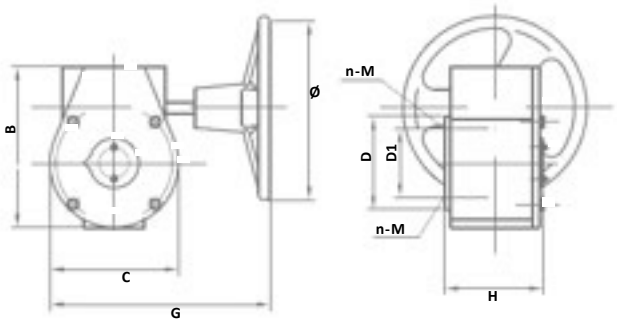


DN 500-1200

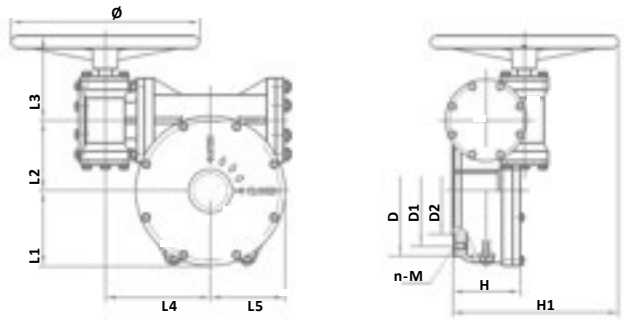
N°	Name	Material
1	Cover	Ductile Iron GGG40
2	Bolts	Stainless Steel 316
3	Bushing	Copper
4	O-Ring	NBR rubber
5	Body	Ductile Iron GGG40
6	Disc	Alu-Bronze C95400
7	Pin	Stainless Steel 316
8	Bushing	Copper
9	O-Ring	NBR rubber
10	Stem	Stainless Steel 431
11	Seat	EPDM (Vulcanized)
12	Bushing	Copper
13	Gear box	Ductile Iron GGG40
14	Input shaft	Stainless Steel 304
15	Bolts	Stainless Steel 304
16	Bolts	Stainless Steel 316

Gearbox Specification

DN 150-450



DN 500-1200



Gearbox Dimensions

DN 150-450

Valve size (DN)	B	C	D	D1	H	G	Φ
150	125	102	90	50/70	65	203	135
200/250	167	141	90/125	70/102	79	295	285
300/350	188	152	125/175	102/140	80	291	285
400/450	279	247	210	165	109	336	390

**Dimensions are in millimeters*

Gearbox Dimensions

DN 500-1200

Valve size (DN)	L2	L1	L3	D	D1	D2	H	H1	L4	L5	Φ	n-M
500	100	107	156	210	165	130	125	271	168	107	285	4-M20
600	125	131	160	210	165	130	136	330	193	131	385	4-M20
700-800	140	146	197	300	254	200	149	378	230	146	425	8-M16
900-1000	162	173	197	300	254	200	155	377	246	173	425	8-M16
1100-1200	240	185	203	350	298	230	194	399	303	251	425	8-M20

**Dimensions are in millimeters*

FIVC Butterfly Valve

Ductile Iron – PN 16 – U-flanged – Gearbox – Replaceable – Pinless – EN 1092-2



FLANU series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Alu-Bronze
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Gearbox in Ductile Iron
- Coating: Epoxy
- USP: Maintenance and installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face acc. to EN 558-1 (Ser.20)
  DIN 3202 T3 K1 - ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16 / Metric
  Shaft: SS AISI 420
- Tests: Hydraulic test acc. to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- General services
- HVAC

Description

FIVC U-flanged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.
Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can by its high quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Ductile Iron
- Stainless Stel

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

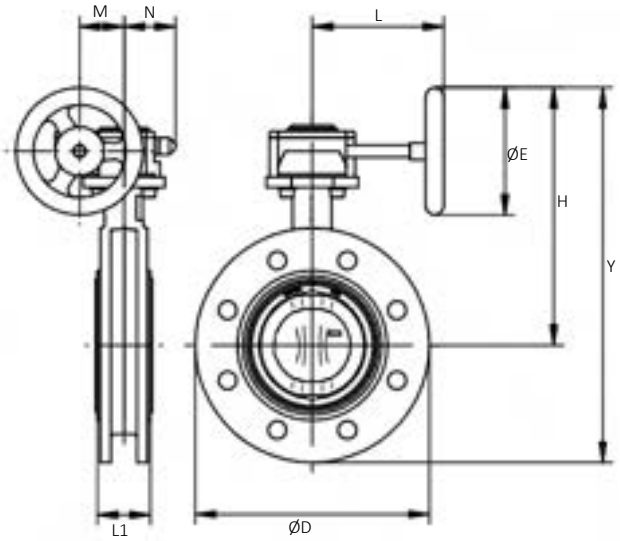
Operation
- 15° notch hand-lever
- Gearbox
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

Dimensions

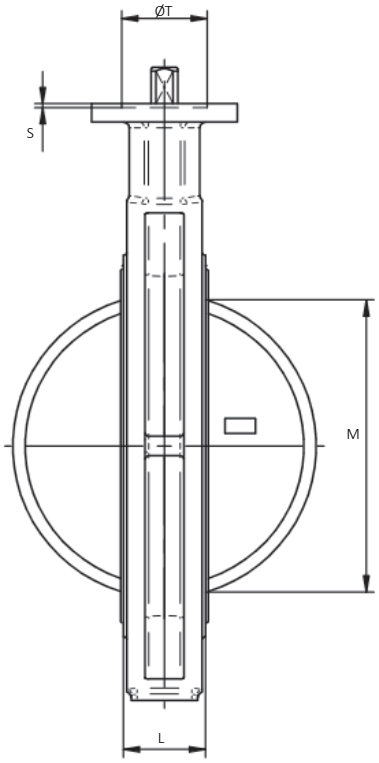


Product code	Size (DN)	L1	D	E	H	Y	L	M	N	Kg
FLANU40080MDVENR1603	80	46	200	125	229	329	129	43.5	50.5	6.6
FLANU40100MDVENR1603	100	52	230	125	253	368	129	43.5	50.5	8.3
FLANU40125MDVENR1603	125	56	255	160	286	413	135	43.5	50.5	10.9
FLANU40150MDVENR1603	150	56	285	160	298	441	135	43.5	50.5	12.5
FLANU40200MDVENR1603	200	60	345	200	355	528	152	52.5	59	21.0
FLANU40250MDVENR1603	250	68	406	250	442	652	222	61.2	70.5	34.2
FLANU40300MDVENR1603	300	78	480	250	468	708	222	61.2	70.5	48.7
FLANU40350MDVENR1603	350	78	535	250	498	770	222	61.2	70.5	58.5
FLANU40400MDVENR1603	400	102	597	300	572	880	277	68.8	72.5	89
FLANU40450MDVENR1603	450	114	640	400	630	970	321	96.5	91.5	119
FLANU40500MDVENR1603	500	127	700	400	682	1062	321	96.5	91.5	156
FLANU40600MDVENR1603	600	154	834	500	798	1239	408	138	140	255
FLANU40700MDVENR1603	700	165	927	600	914	1400	456	138	140	320
FLANU40750MDVENR1603	750	190	995	600	944	1474	456	138	140	393
FLANU40800MDVENR1603	800	190	1060	700	1044	1608	510	180	156	456
FLANU40900MDVENR1603	900	203	1170	700	1108	1718	510	180	156	573
FLANU41000MDVENR1603	1000	216	1290	700	1184	1858	579	180	156	754
FLANU41050MDVENR1603	1050	216	1346	700	1184	1858	579	180	156	843
FLANU41100MDVENR1603	1100	216	1405	700	1250	1983	593	252	228	1056
FLANU41200MDVENR1603	1200	254	1485	700	1310	2128	593	252	228	1270
FLANU41400MDVENR1603	1400	280	1735	700	1435	2404	593	252	228	1782
FLANU41500MDVENR1603	1500	318	1855	700	1510	2560	593	252	228	2317
FLANU41600MDVENR1603	1600	318	1930	700	1550	2640	593	252	228	2359

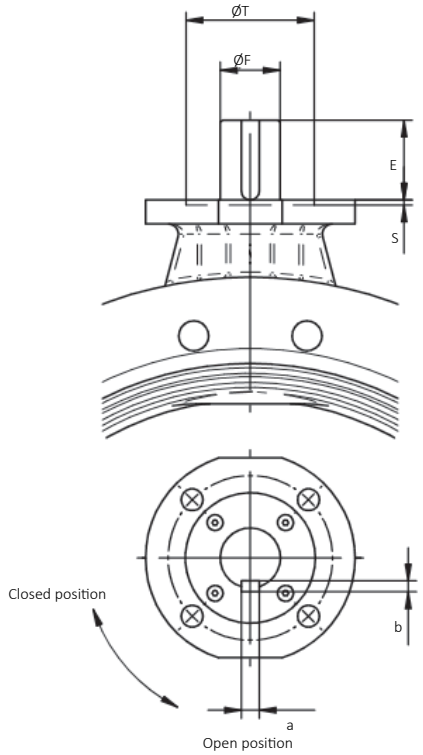
Dimensions

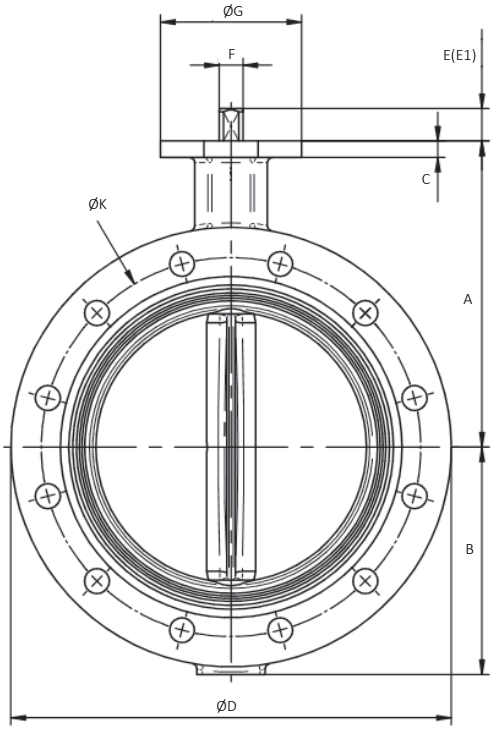
Bare shaft

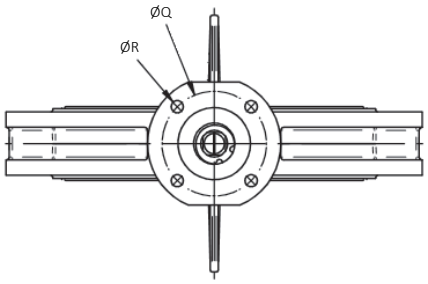
DN 80/500



DN 600/1600







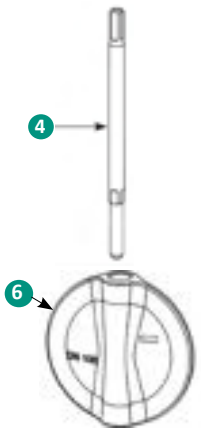
* E1- Short shaft on request

FIVC Butterfly Valve

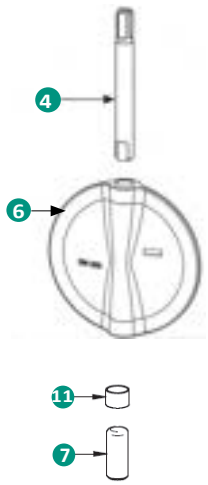
Ductile Iron – PN 16 – U-flanged – Gearbox – Replaceable – Pinless – EN 1092-2

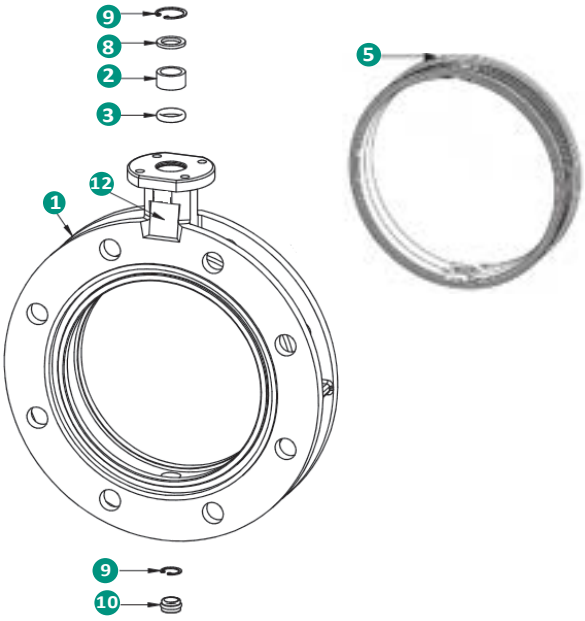
Product Specification

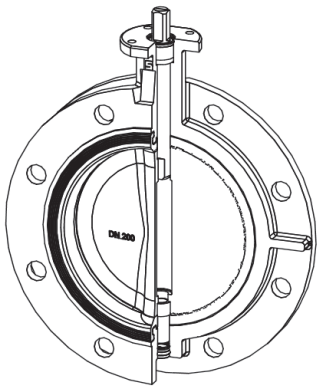
DN 80-100



DN 125-200

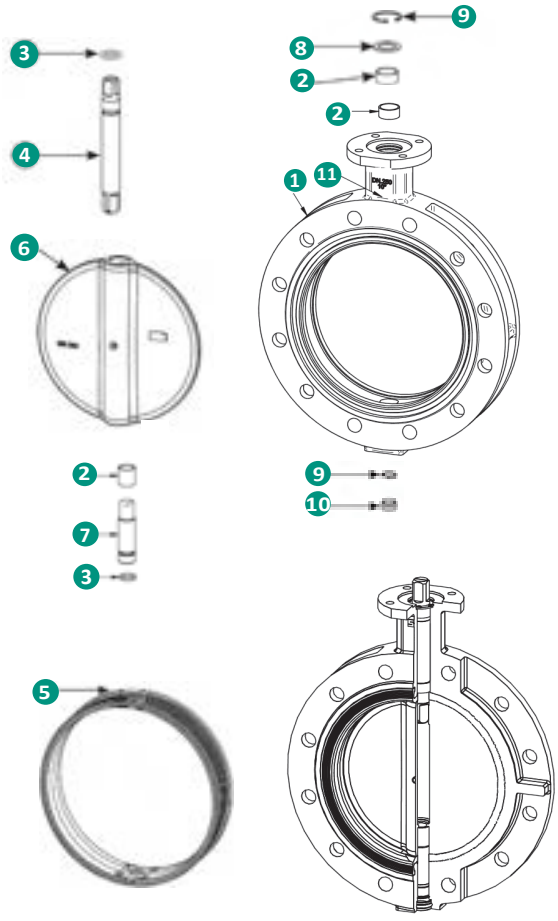






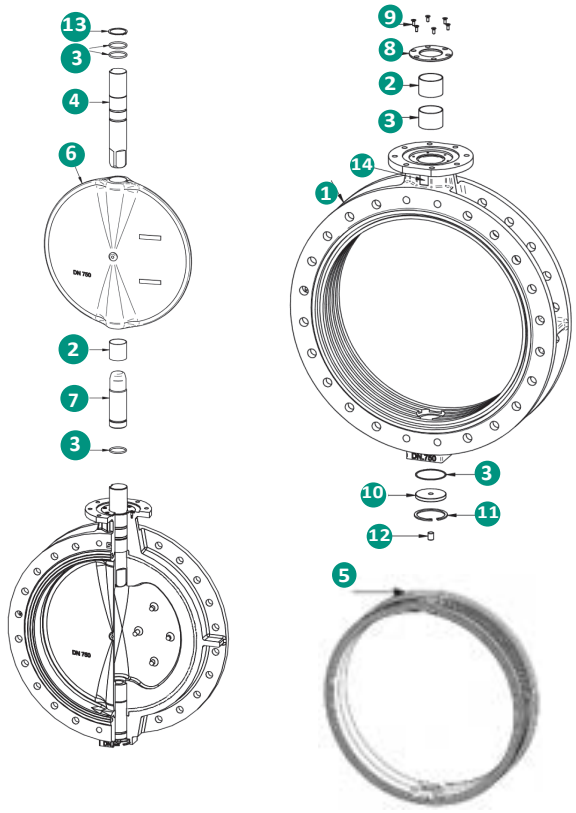
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15, Epoxy
2	Bushing	DN 80-200: Acetal Delrin DN 250-500: Steel, Bronze, PTFE
3	O-Ring	Nitrile
4	Upper Shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Alu-Bronze CC480K/CC333G DN 350+ CC333G
7	Lower Shaft	Stainless Steel AISI 420 (DN 125-500)
8	Retaining Ring	Zinc-plated Steel
9	Seeger Ring Body	Zinc-plated Steel DIN 472
10	Lower Plug	EPDM (DN 125 - 500)
11	Bushing	Steel Bronze PTFE
12	Features Tag	Polyester

DN 250-500

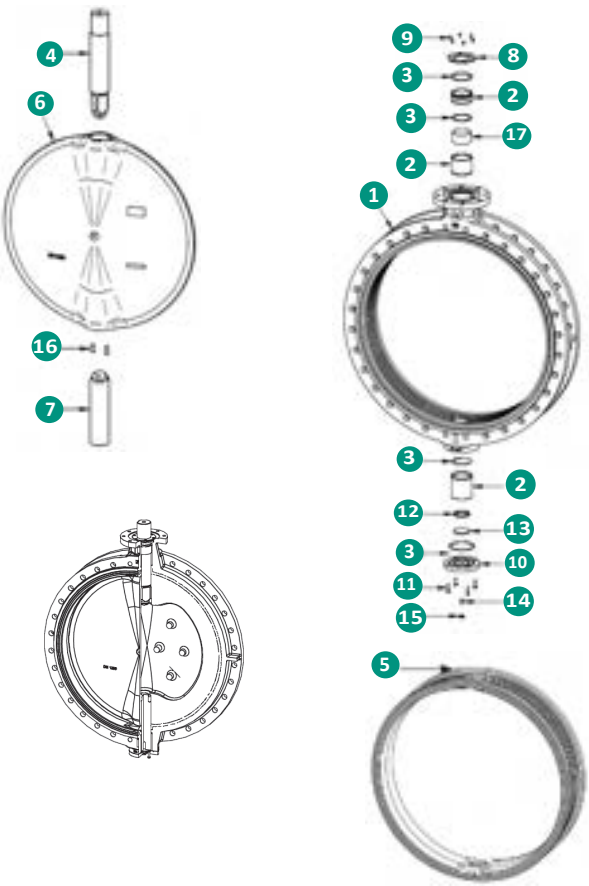


Product Specification

DN 600/1100



DN 1200/1600



DN 600/1100

N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15, Epoxy
2	Bushing	Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper Shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Alu-Bronze CC480K/CC333G DN 350+ CC333G
7	Lower Shaft	Stainless Steel AISI 420
8	Upper Cover	Carbon Steel, Epoxy Coated
9	Bolt Upper Cover	Zinc-plated Steel, DIN 7991
10	Lower Cover	Carbon Steel, Epoxy Coated
11	Seeger Ring Body	Zinc-plated Steel DIN 472
12	Screw	Zinc-plated Steel DIN 913 DN 750/1100
13	Retaining Ring Shaft	Zinc-plated Steel DIN 471 DN 600/800
14	Features Tag	Polyester

DN 1200/1600

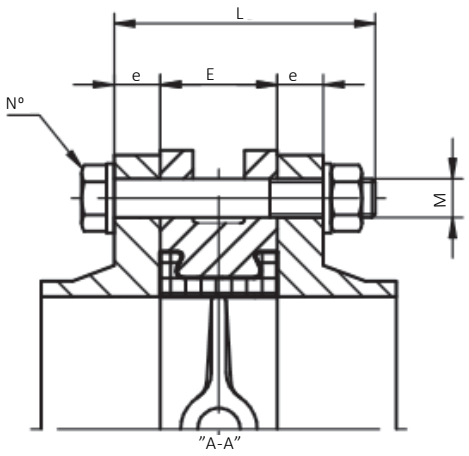
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15, Epoxy
2	Bushing	Bronze/Brass
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Alu-Bronze CC480K/CC333G DN 350+ CC333G
7	Lower Shaft	Stainless Steel AISI 420
8	Upper Cover	Carbon Steel, Epoxy Coated
9	Bolt Upper Cover	Zinc-plated Steel DIN 7991
10	Lower Cover	Carbon Steel, Epoxy Coated
11	Bolt Lower Cover	Zinc-plated Steel DIN 931
12	Lower Ring	Bronze/Brass
13	Friction Disc	Zinc-plated Steel
14	Screw	Zinc-plated Steel
15	Nut	Zinc-plated Steel
16	Keyway	Stainless Steel AISI 420
17	Bushing	Steel Bronze PTFE

FIVC Butterfly Valve

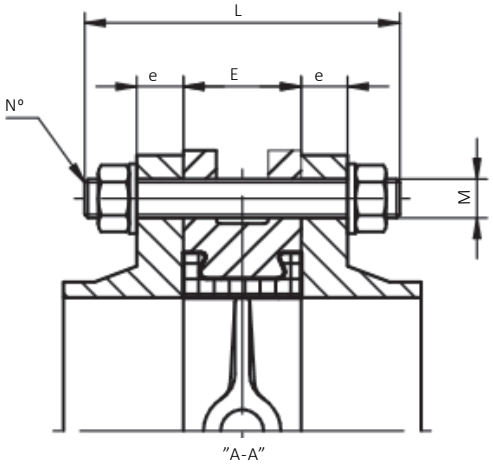
Ductile Iron – PN 16 – U-flanged – Gearbox – Replaceable – Pinless – EN 1092-2

DN 1200/1600

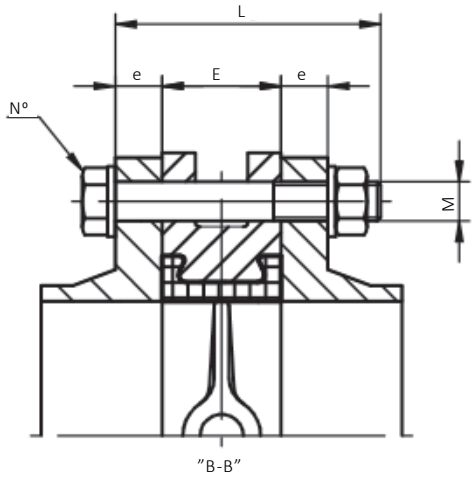
Screw



Link

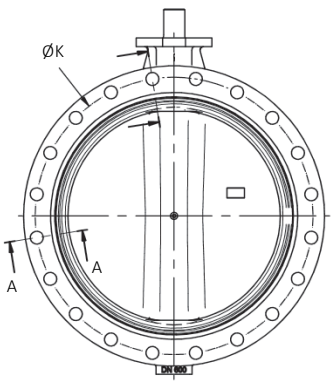


Screw Only



Product code	Size	E	K	e	M	L	L1	N°
FLANU40080MDVENR1603	80	46	160	20	M16	110	130	8
FLANU40100MDVENR1603	100	52	180	20	M16	110	130	8
FLANU40125MDVENR1603	125	56	210	22	M16	120	140	8
FLANU40150MDVENR1603	150	56	240	22	M20	130	150	8
FLANU40200MDVENR1603	200	60	295	24	M20	130	160	12
FLANU40250MDVENR1603	250	68	355	26	M24	150	170	12
FLANU40300MDVENR1603	300	78	410	28	M24	160	180	12
FLANU40350MDVENR1603	350	78	470	30	M24	170	190	16
FLANU40400MDVENR1603	400	102	525	32	M27	200	220	16
FLANU40450MDVENR1603	450	114	585	32	M27	210	240	16
FLANU40500MDVENR1603	500	127	650	34	M30	230	260	20
FLANU40600MDVENR1603	600	154	770	36	M33	260	290	20
FLANU40700MDVENR1603	700	165	840	36	M33	270	300	20
FLANU40750MDVENR1603	750	190	900	38	M33	300	340	20
FLANU40800MDVENR1603	800	190	950	38	M36	310	345	20
FLANU40900MDVENR1603	900	203	1050	40	M36	330	375	24
FLANU41000MDVENR1603	1000	216	1170	42	M39	345	390	24
FLANU41050MDVENR1603	1050	216						
FLANU41100MDVENR1603	1100	216	1270	48	M39	360	400	28
FLANU41200MDVENR1603	1200	254	1390	48	M45	395	445	28
FLANU41400MDVENR1603	1400	280	1590	52	M45	440	490	32
FLANU41500MDVENR1603	1500	318	1710	54	M52	490	550	32
FLANU41600MDVENR1603	1600	318	1820	58	M52	490	550	36

DN 450	PN. 10-PN.16
DN 500	ANSI 150
DN 700/1600	PN. 10-PN.16-ANSI 150



FIVC Butterfly Valve

Ductile Iron – PN 16 – U-Flanged – Gearbox – Replaceable – Pinless – EN 1092-2



FLA series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Alu-Bronze
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Gearbox in Ductile Iron
- Coating: Epoxy
- USP: Maintenance and installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face acc. to EN 558-1 *(series 20)*
- Type: Drilling: ANSI 150
  Shaft: SS AISI 420
  Thread: UNC
- Tests: Hydraulic test acc. to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC (Heat Ventilation Air Conditioning)
- General services
- Irrigation
- Shipbuilding
- Powdery products
- Fire fighting

Description

FIVC Flanged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can by its high quality gearbox be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

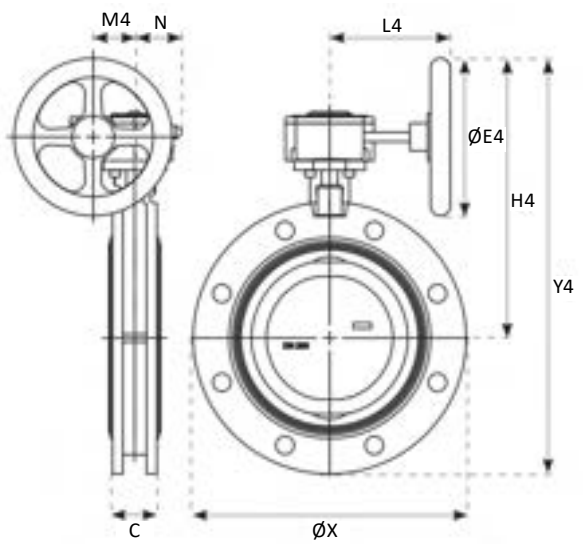
The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc	Construction	Seat	Operation
• Stainless Steel • Ductile Iron	• w/Pin	• Vulcanized • Other seats upon request	• 15° Notch handlever • Other operations upon request

Threading	Drilling	PN	Size
• Metric • Whitworth	• PN 16 • PN 20 • PN 25	• PN 20 (w/pin) • PN 25 (w/pin)	• DN 40+

Dimensions



Product Information

Product code	Size (DN)	C*	X*	E4*	H4*	Y4*	L4*	M4*	N*	Kg
FLANU40200MDVENR1604	200	60	345	200	355	527	152	52.5	59	21.0
FLANU40250MDVENR1604	250	68	406	250	442.5	652.5	222	61.2	70.5	34.3
FLANU40300MDVENR1604	300	78	480	250	468	708	222	61.2	70.5	48.9
FLANU40350MDVENR1604	350	78	535	250	498.5	766.5	222	61.2	70.5	57.9
FLANU40400MDVENR1604	400	102	597	300	572.5	880.5	278	68.8	72.5	88.1
FLANU40450MDVENR1604	450	114	640	400	630.5	970.5	321	96.5	91.5	118
FLANU40500MDVENR1604	500	127	700	400	682.5	1063	321	96.5	91.5	153
FLANU40600MDVENR1604	600	154	834	500	798.5	1239	408	137.5	140	251
FLANU40700MDVENR1604	700	165	916	600	944.5	1435	424	137.5	140	309
FLANU40750MDVENR1604	750	190	995	600	944.5	1475	456	137.5	140	390
FLANU40800MDVENR1604	800	190	1060	600	984.5	1550	456	137.5	140	436
FLANU40900MDVENR1604	900	203	1170	700	1109	1719	510	180	156	572
FLANU41000MDVENR1604	1000	216	1290	700	1184	1859	579	180	156	771
FLANU41100MDVENR1604	1100	216	1405	700	1229	1962	579	180	156	925
FLANU41200MDVENR1604	1200	254	1485	700	1310	2128	593	252.5	228	1290
FLANU41400MDVENR1604	1400	280	1735	700	1435	2404	593	252.5	228	1852
FLANU41500MDVENR1604	1500	318	1855	700	1510	2560	593	252.5	228	2205
FLANU41600MDVENR1604	1600	318	1930	700	1550	2640	593	252.5	228	2328

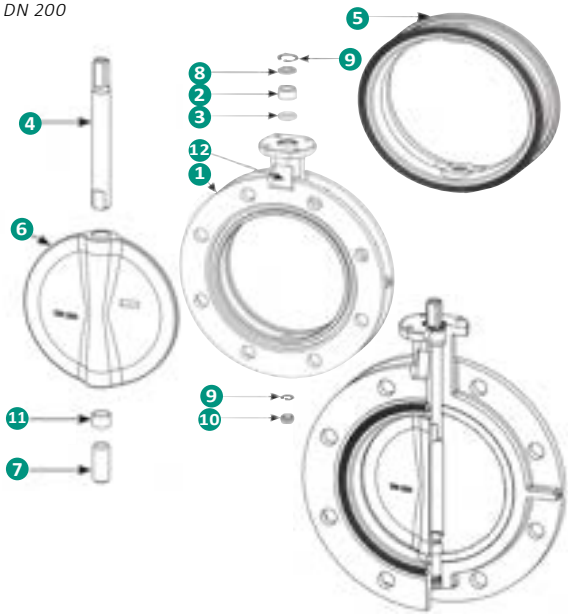
**Dimensions are in millimeters*

FIVC Butterfly Valve

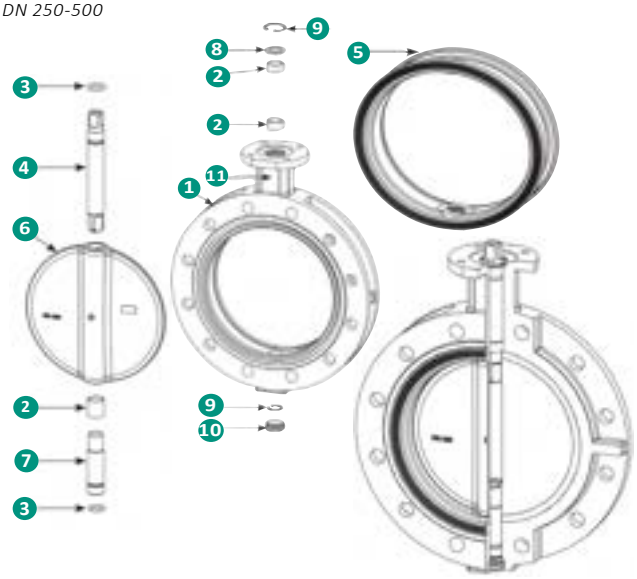
Ductile Iron – PN 16 – U-Flanged – Gearbox – Replaceable – Pinless – EN 1092-2

Product Specification

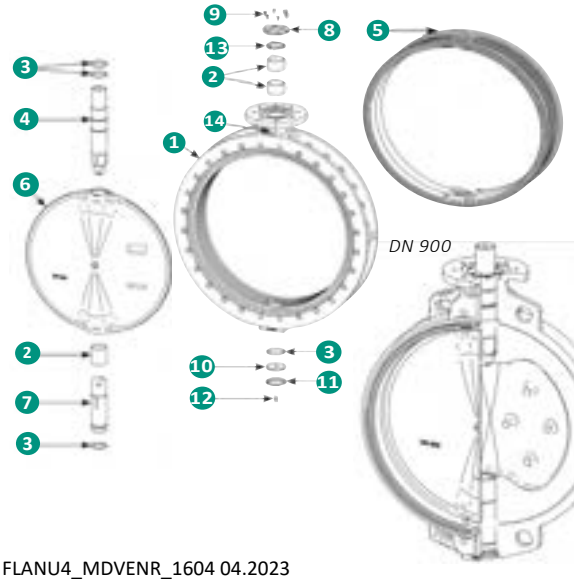
DN 200



DN 250-500



DN 600-1100



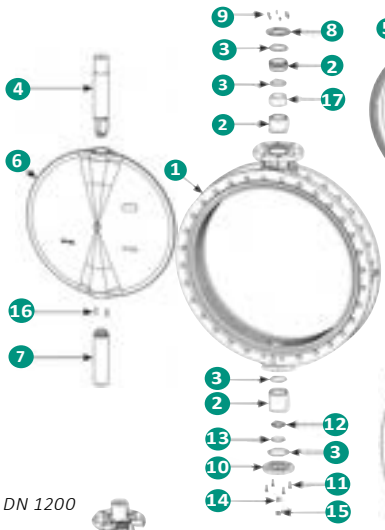
DN 900



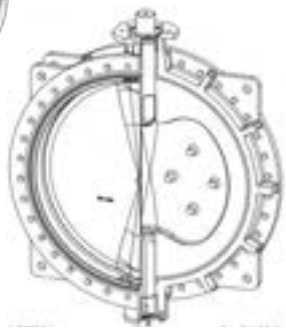
Product Specification

N°	Name	Material
1	Body	Ductile Iron GGG 40 + 120 microns Epoxy coating
2	Bushing	Acetal Delrin
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Alu-Bronze
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel
10	Lower plug	EPDM
11	Bushing	Steel, Bronze, PTFE
12	Features Tag	Polyester

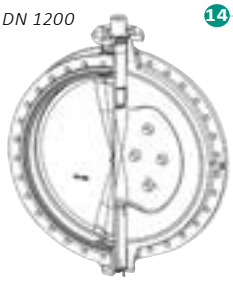
DN 1200-1600



DN 1400-1600



DN 1200



BUTTERFLY MOTORIZED



Feature	Cutting-edge technology tailored for automated peak flow regulation and shut-off.
Corrosion resistance	Of premium materials and a vulcanized or replaceable seat to withstand harsh environments.
Green responsibility	Top-tier energy conservation while delivering reliable and precise performance via low-pressure drop and bubble-tightness, reducing energy consumption.
Space optimizer	For center- and dead-end service, integrates into existing systems with fully interchangeable components.
Adaptability	Easy installation and minimal maintenance reduce energy usage and environmental impact, enhancing productivity while cutting operational costs.



- Bubble tight
- Fast-acting
- Cost-and energy efficient
- Small driving torque
- Small size
- Light in weight
- Easy operation

Available as

Wafer

Lugged

U-Flanged

ISH 2025

FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Actuator – Replaceable – Pinless – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile Iron
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Electrical actuator Aluminium
- Coating: Epoxy
- Standard: BS EN 593 top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face EN 558-1 *(series 20)*
  DIN 3202 T3 K1 ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Wafer
- Tests: Hydraulic test 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water distribution
- HVAC
- Shipbuilding

Description

FIVC Wafer Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function. Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can by its high quality Bernard Controls actuator be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been manufactured and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu-Bronze
- Stainless Steel

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

Operation
- 15° notch handlever
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

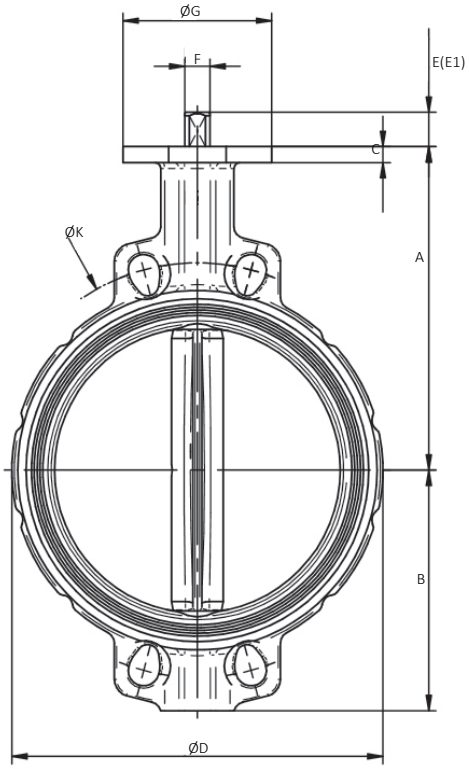
Product Information

Product code	Size	General dimensions of bareshaft																	
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WAFN30050MSEENR1601	50	120	61	43	100	30	16	11	90	125	10	29	2.4	F-07	70	4x9	-	-	-
WAFN30065MSEENR1601	65	135	69	46	108	30	16	11	90	145	10	46	2.7	F-07	70	4x9	-	-	-
WAFN30080MSEENR1601	80	141	94	46	124	30	16	11	90	160	10	65	3.2	F-07	70	4x9	-	-	-
WAFN30100MSEENR1601	100	165	106	52	147	30	16	11	90	180	10	90	4.0	F-07	70	4x9	-	-	-
WAFN30125MSEENR1601	125	180	126	56	180	33	18	14	90	210	12	112	6.2	F-07	70	4x9	-	-	-
WAFN30150MSEENR1601	150	193	133	56	206	33	18	14	90	240	12	139	7.3	F-07	70	4x9	-	-	-
WAFN30200MSEENR1601	200	225	170	60	257	33	18	17	90	295	12	191	11	F-07	70	4x9	-	-	-
WAFN30250MSEENR1601	250	283	210	68	324	30	23	22	130	355	14	241	20	F-10	102	4x12	3	70	-
WAFN30300MSEENR1601	300	308	240	78	376	30	23	22	130	410	14	290	30	F-10	102	4x12	3	70	-
WAFN30350MSEENR1601	350	339	263	78	422	31		22	160	470	16	338	35	F-10	102	4x12	3	70	-
WAFN30400MSEENR1601	400	380	308	102	480	31		27	160	525	18	387	56	F-12	125	4x14	4	85	-
WAFN30450MSEENR1601	450	381	340	114	536	38		36	190	585	20	434	80	F-14	140	4x18	4	100	-
WAFN30500MSEENR1601	500	433	380	127	593	38		36	210	650	20	478	114	F-14	140	4x18	4	100	-
WAFN30600MSEENR1601	600	494	440	154	690	80		60	210	770	24	570	171	F-16	165	4x22	5	130	18x11
WAFN30700MSEENR1601	700	560	485	165	780	106		65	300	840	25	660	228	F-25	254	8x18	5	200	18x11
WAFN30750MSEENR1601	750	590	530	190	836	106		80	300	900	25	705	295	F-25	254	8x18	5	200	22x14
WAFN30800MSEENR1601	800	630	565	190	902	106		80	300	950	27	763	347	F-25	254	8x18	5	200	22x14
WAFN30900MSEENR1601	900	695	610	203	1010	110		80	350	1050	32	866	459	F-25	254	8x18	5	200	22x14
WAFN31000MSEENR1601	1000	770	675	216	1116	110		80	350	1170	32	966	581	F-25	254	8x18	5	200	22x14
WAFN31050MSEENR1601	1050	770	675	216	1148	110		80	350		32	1010	658	F-25	254	8x18	5	200	22x14
WAFN31100MSEENR1601	1100	815	733	216	1215	110		80	350	1270	32	1054	716	F-25	254	8x18	5	200	22x14
WAFN31200MSEENR1601	1200	875	818	254	1334	110		100	350	1390	40	1153	963	F-30	298	8x23	5	230	28x16

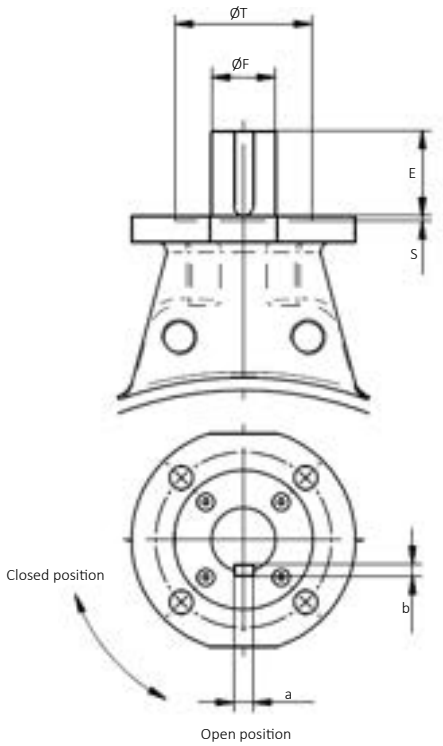
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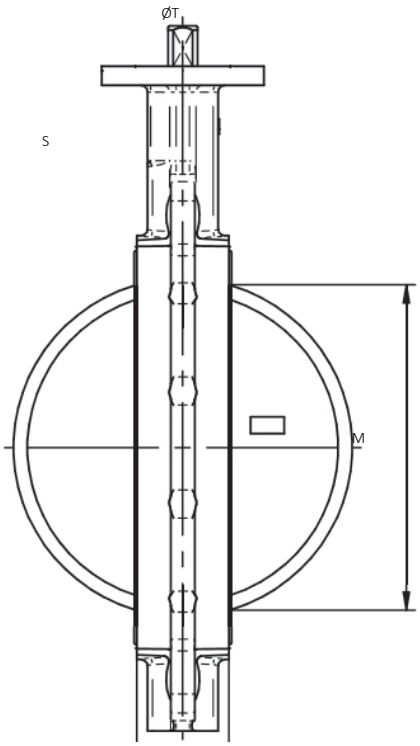
Bare shaft

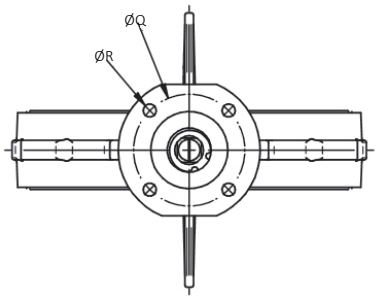
DN 50/500



DN 600/1200







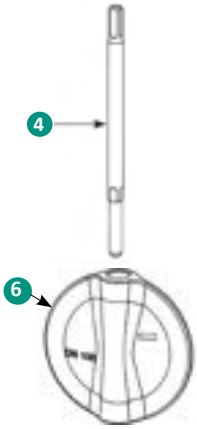
* E1- Short shaft on request

FIVC Butterfly Valve

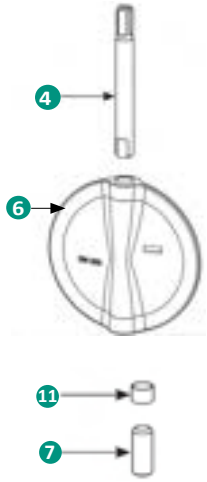
Ductile Iron – PN 16 – Wafer – Actuator – Replaceable – Pinless – EN 1092-2

Product Specification

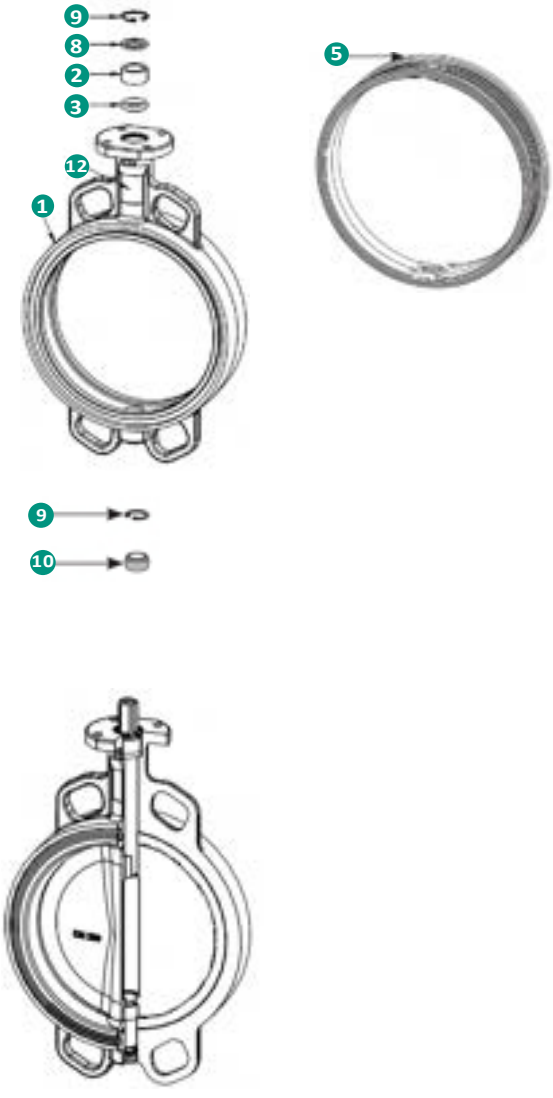
DN 50-100



DN 125-200



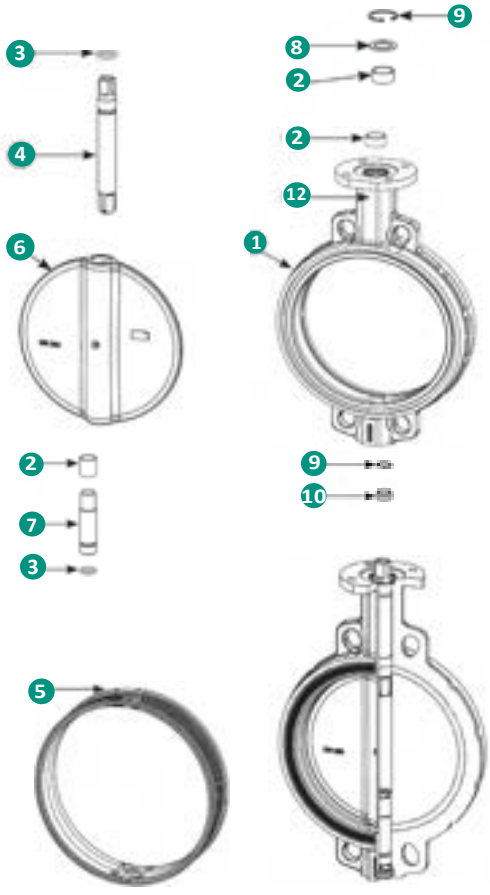
DN 50-200



DN 50-500

N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	DN 50-200: Acetal Delrin DN 250-400: Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Ductile Iron EN-GJS-400-15, Epoxy
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel
10	Lower plug	EPDM
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester

DN 250-500

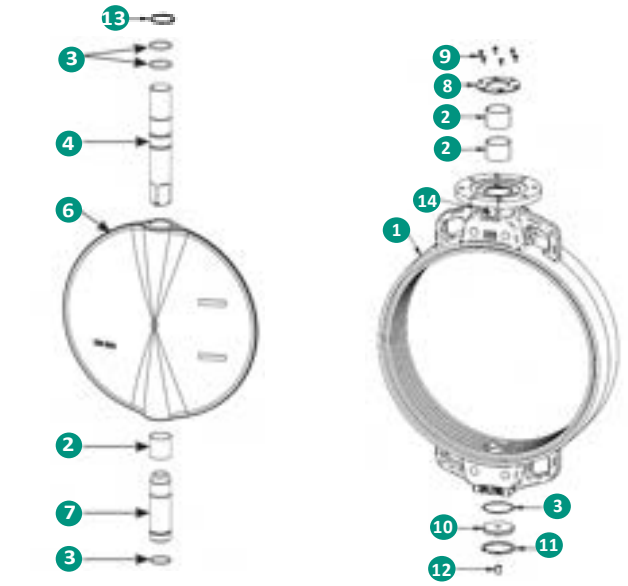


FIVC Butterfly Valve

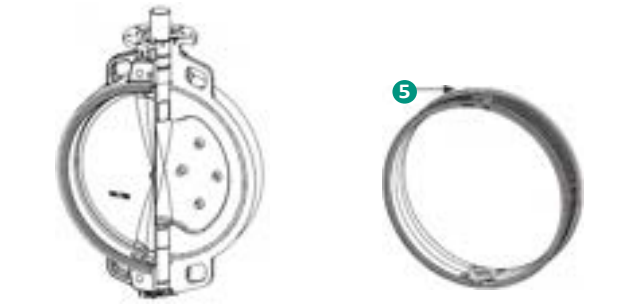
Ductile Iron – PN 16 – Wafer – Actuator – Replaceable – Pinless – EN 1092-2

Product Specification

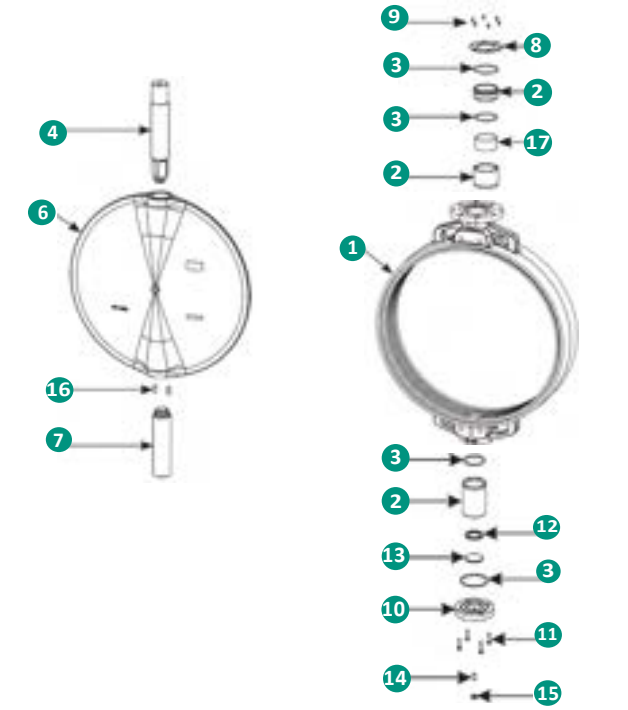
DN 600-1100



DN 600-1200



DN 1200



DN 600-1100

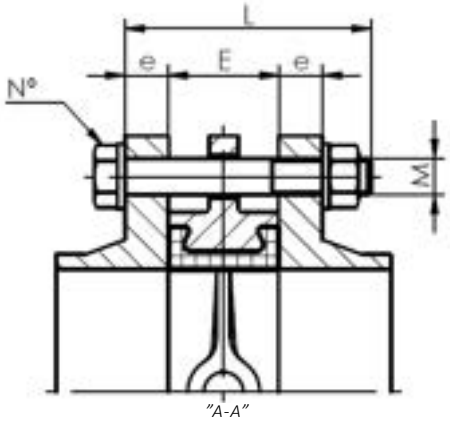
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Ductile Iron EN-GJS-400-15, Epoxy
7	Lower shaft	Stainless Steel AISI 420
8	Upper cover	Carbon Steel Coating Epoxy
9	Bolt upper cover	Zinc-plated Steel DN 7991
10	Lower cover	Carbon Steel Coating Epoxy
11	Seeger Ring	Zinc-plated Steel DIN 472
12	Screw	Zinc-plated Steel DIN 913
13	Retaining Ring Shaft	Zinc-plated Steel DIN 471 DN600/800
14	Features Tag	Polyester

DN 1200

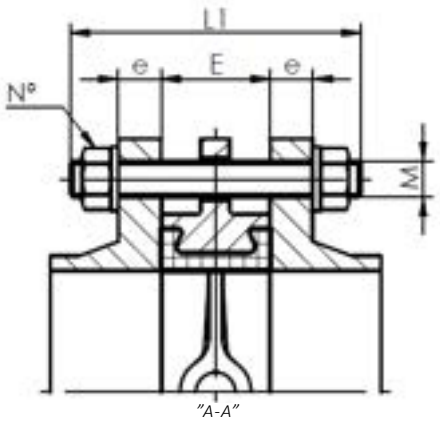
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	Bronze/Brass
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Ductile Iron EN-GJS-400-15, Epoxy
7	Lower shaft	Stainless Steel AISI 420
8	Upper cover	Carbon Steel Coating Epoxy
9	Bolt upper cover	Zinc-plated Steel DIN 7991
10	Lower cover	Carbon Steel Coating Epoxy
11	Bolt lower cover	Zinc-plated Steel DIN 931
12	Lover ring	Bronze/Brass
13	Friction Disc	Zinc-plated Steel
14	Screw	Zinc-plated Steel DIN 913
15	Nut	Zinc-plated Steel DIN 934
16	Keyway	Stainless Steel AISI 420
17	Bushing	Steel Bronze PTFE

Assembling screwing

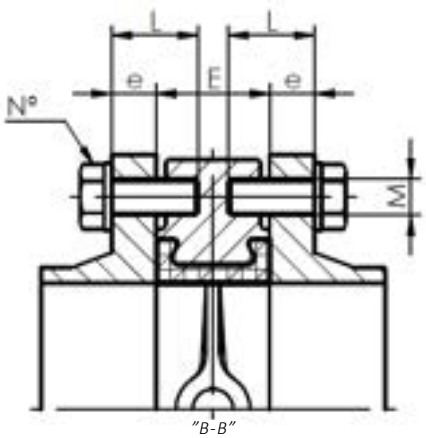
Screw



Link

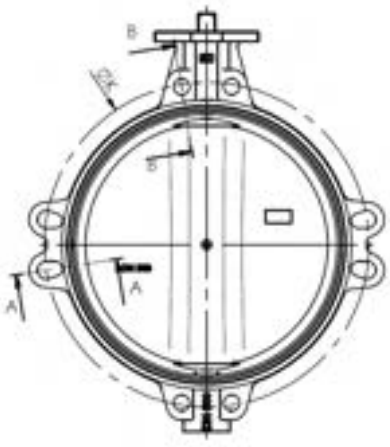


Screw Only



Product code	Size	ØK	E	e	M	L	L1	N°
WAFN30050MSEENR1601	50	125	43	18	M16	100	120	4
WAFN30065MSEENR1601	65	145	46	18	M16	100	120	4
WAFN30080MSEENR1601	80	160	46	20	M16	110	130	8
WAFN30100MSEENR1601	100	180	52	20	M16	110	130	8
WAFN30125MSEENR1601	125	210	56	22	M16	120	140	8
WAFN30150MSEENR1601	150	240	56	22	M20	130	150	8
WAFN30200MSEENR1601	200	295	60	24	M20	130	160	12
WAFN30250MSEENR1601	250	355	68	26	M24	150	170	12
WAFN30300MSEENR1601	300	410	78	28	M24	160	180	12
WAFN30350MSEENR1601	350	470	78	30	M24	170	190	16
WAFN30400MSEENR1601	400	525	102	32	M27	200	220	16
WAFN30450MSEENR1601	450	585	114	32	M27	210/60	240	16/8
WAFN30500MSEENR1601	500	650	127	34	M30	230	260	20
WAFN30600MSEENR1601	600	770	154	36	M33	260	290	20
WAFN30700MSEENR1601	700	840	165	36	M33	270/85	300	20/8
WAFN30750MSEENR1601	750	900	190	38	M33	300/100	340	20/8
WAFN30800MSEENR1601	800	950	190	38	M36	310/80	345	20/8
WAFN30900MSEENR1601	900	1050	203	40	M36	330/100	375	24/8
WAFN31000MSEENR1601	1000	1170	216	42	M39	345/100	390	24/8
WAFN31100MSEENR1601	1100	1270	216	48	M39	360/110	400	28/8
WAFN31200MSEENR1601	1200	1390	254	48	M45	395/115	445	28/8

DN 450	PN. 10-PN.16
DN 500	ANSI 150
DN 700/1200	PN. 10-PN.16-ANSI 150



FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Actuator – Replaceable – Pinless – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile Iron
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Electrical actuator in Polyamide
- Coating: Epoxy
- Standard: BS EN 593 top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face EN 558-1 *(series 20)*
  DIN 3202 T3 K1 ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Wafer
- Tests: Hydraulic test 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water distribution
- HVAC
- Shipbuilding

Description

FIVC Wafer Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes.
With its high quality rotational disc, the valve features quick shut-off function.
Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance.
Furthermore, the valve can by its high quality JJ actuator be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been manufactured and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu-Bronze
- Stainless Steel

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

Operation
- 15° notch hand-lever
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

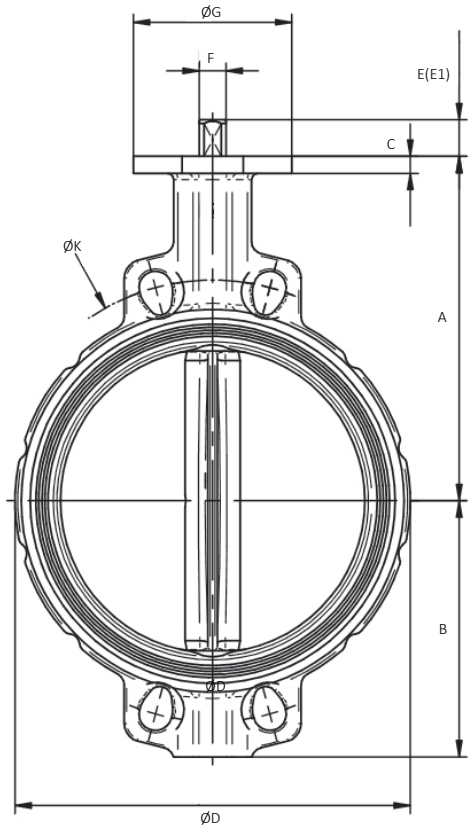
Product Information

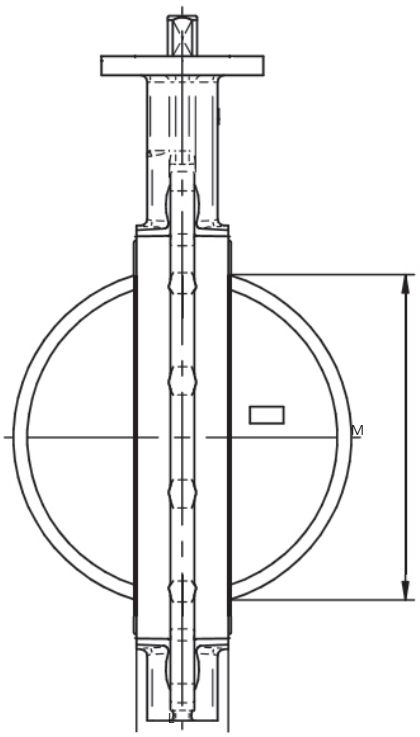
Product code	Size	General dimensions of bareshaft														
		A	B	L	D	E	E1	F	G	K	C	M	Kg	ISO	Q	R
WAFN30050MSEENR1601	50	120	61	43	100	30	16	11	90	125	10	29	2.4	F-07	70	4x9
WAFN30065MSEENR1601	65	135	69	46	108	30	16	11	90	145	10	46	2.7	F-07	70	4x9
WAFN30080MSEENR1601	80	141	94	46	124	30	16	11	90	160	10	65	3.2	F-07	70	4x9
WAFN30100MSEENR1601	100	165	106	52	147	30	16	11	90	180	10	90	4.0	F-07	70	4x9
WAFN30125MSEENR1601	125	180	126	56	180	33	18	14	90	210	12	112	6.2	F-07	70	4x9
WAFN30150MSEENR1601	150	193	133	56	206	33	18	14	90	240	12	139	7.3	F-07	70	4x9
WAFN30200MSEENR1601	200	225	170	60	257	33	18	17	90	295	12	191	11	F-07	70	4x9
WAFN30250MSEENR1001	250	283	210	68	324	30	23	22	130	355	14	241	20	F-10	102	4x12

Dimensions

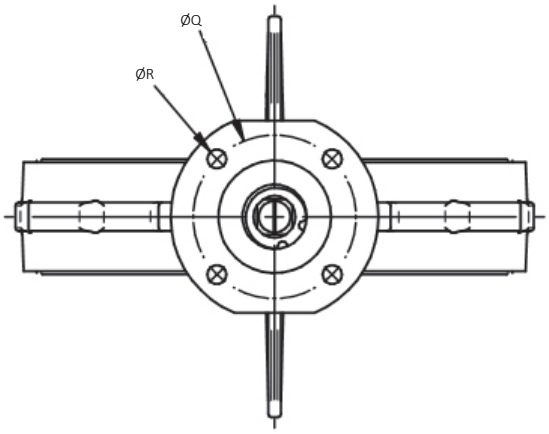
Bare shaft

DN 50/250





E1- Short shaft on request

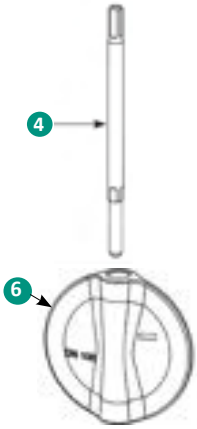


FIVC Butterfly Valve

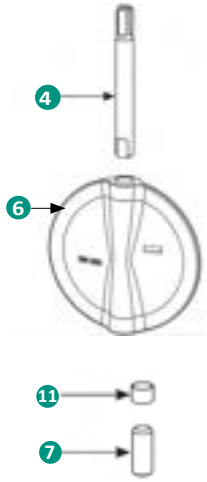
Ductile Iron – PN 16 – Wafer – Actuator – Replaceable – Pinless – EN 1092-2

Product Specification

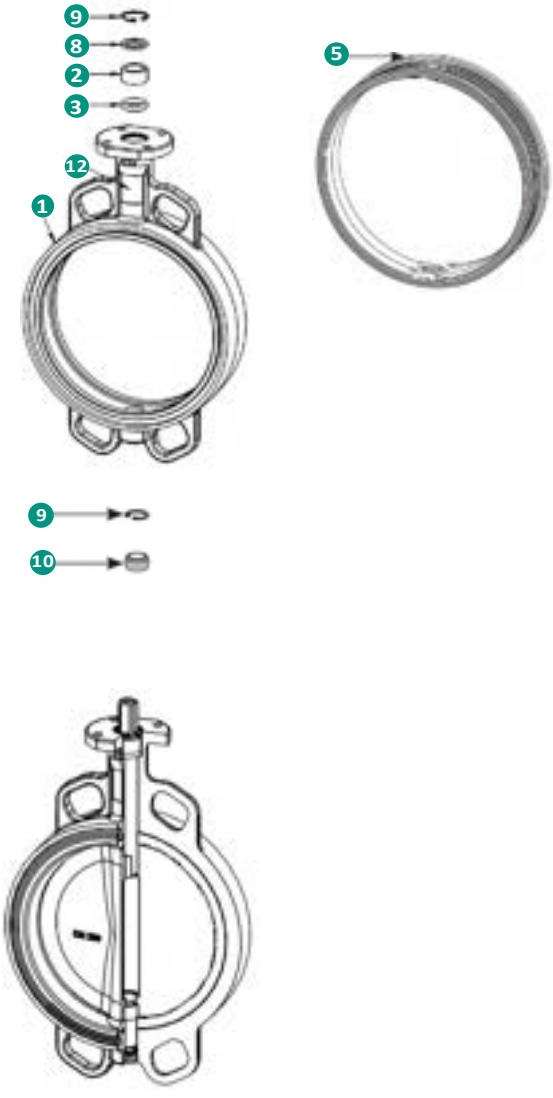
DN 50-100



DN 125-200



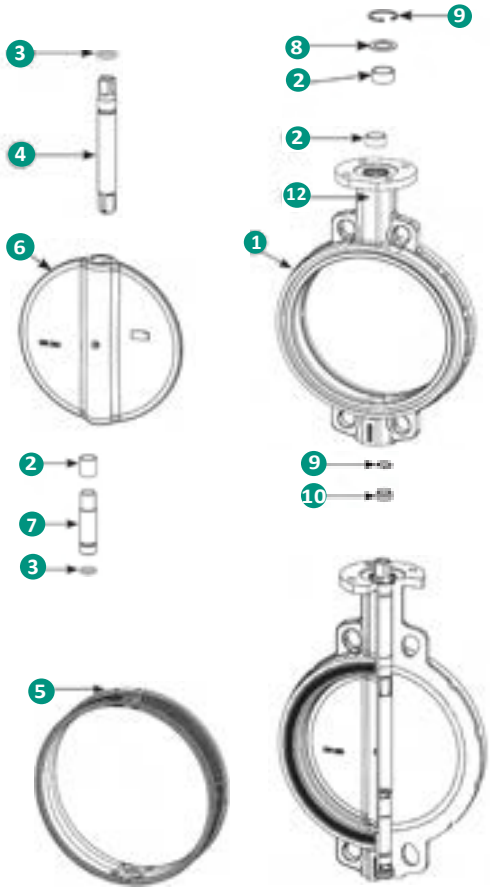
DN 50-200



DN 50-250

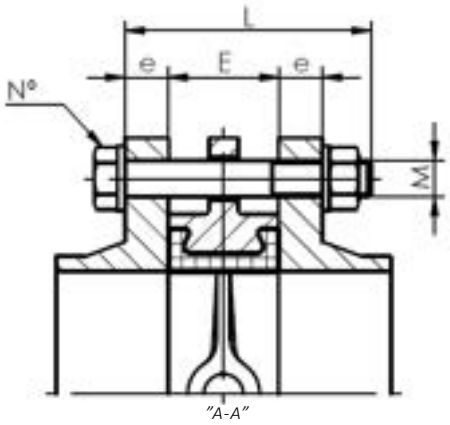
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	DN 50-200: Acetal Delrin DN 250-400: Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Ductile Iron EN-GJS-400-15, Epoxy
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel
10	Lower plug	EPDM
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester

DN 250

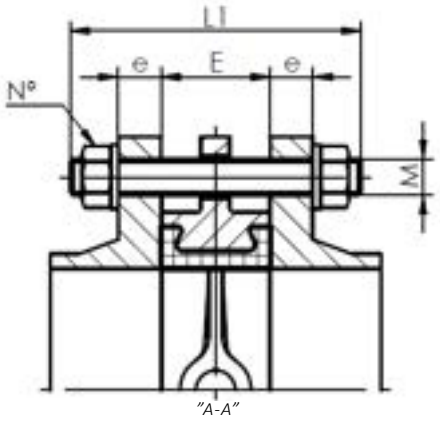


Assembling screwing

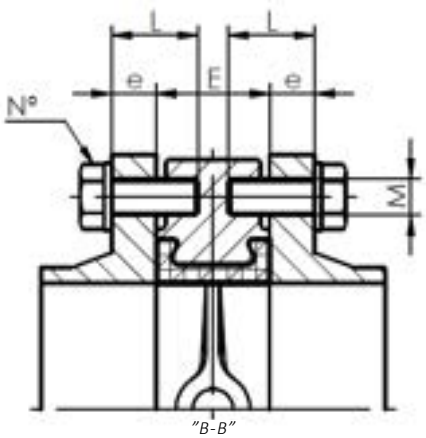
Screw



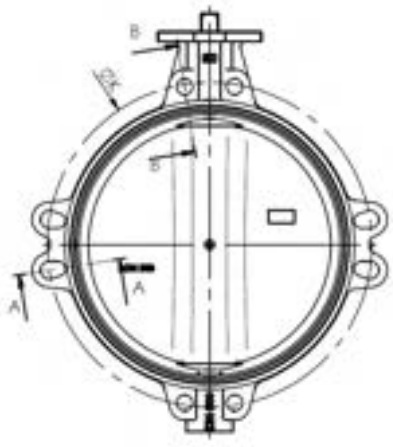
Link



Screw Only



Product code	Size	ØK	E	e	M	L	L1	N°
WAFN30050MSEENR1601	50	125	43	18	M16	100	120	4
WAFN30065MSEENR1601	65	145	46	18	M16	100	120	4
WAFN30080MSEENR1601	80	160	46	20	M16	110	130	8
WAFN30100MSEENR1601	100	180	52	20	M16	110	130	8
WAFN30125MSEENR1601	125	210	56	22	M16	120	140	8
WAFN30150MSEENR1601	150	240	56	22	M20	130	150	8
WAFN30200MSEENR1601	200	295	60	24	M20	130	160	12
WAFN30250MSEENR1001	250	355	68	26	M24	150	170	12



FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Actuator – Replaceable – Pinless – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Electrical actuator in Aluminium
- Coating: Epoxy
- Standard: BS EN 593 top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face EN 558-1 *(series 20)*
  DIN 3202 T3 K1 ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Wafer
- Tests: Hydraulic test 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water distribution
- HVAC
- Shipbuilding

Description

FIVC Wafer Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function. Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can by its high quality Bernard Controls actuator be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been manufactured and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu-Bronze
- Ductile Iron

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

Operation
- 15° notch hand-lever
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

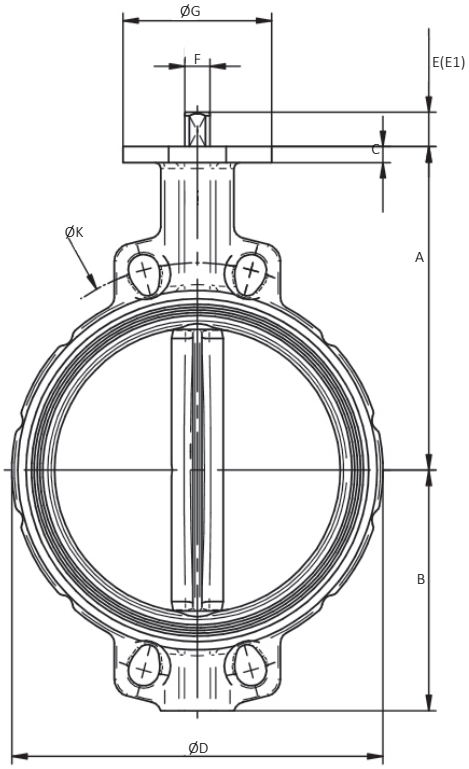
Product Information

Product code	Size	General dimensions of bareshaft																	
		A	B	L	D	E	E1	F	G	K	C	M	Kg	ISO	Q	R	S	T	Keyway axb
WAFN50050MSEENR1601	50	120	61	43	100	30	16	11	90	125	10	29	2.4	F-07	70	4x9	-	-	-
WAFN50065MSEENR1601	65	135	69	46	108	30	16	11	90	145	10	46	2.7	F-07	70	4x9	-	-	-
WAFN50080MSEENR1601	80	141	94	46	124	30	16	11	90	160	10	65	3.2	F-07	70	4x9	-	-	-
WAFN50100MSEENR1601	100	165	106	52	147	30	16	11	90	180	10	90	4.0	F-07	70	4x9	-	-	-
WAFN50125MSEENR1601	125	180	126	56	180	33	18	14	90	210	12	112	6.2	F-07	70	4x9	-	-	-
WAFN50150MSEENR1601	150	193	133	56	206	33	18	14	90	240	12	139	7.3	F-07	70	4x9	-	-	-
WAFN50200MSEENR1601	200	225	170	60	257	33	18	17	90	295	12	191	11	F-07	70	4x9	-	-	-
WAFN50250MSEENR1601	250	283	210	68	324	30	23	22	130	355	14	241	20	F-10	102	4x12	3	70	-
WAFN50300MSEENR1601	300	308	240	78	376	30	23	22	130	410	14	290	30	F-10	102	4x12	3	70	-
WAFN50350MSEENR1601	350	339	263	78	422	31		22	160	470	16	338	35	F-10	102	4x12	3	70	-
WAFN50400MSEENR1601	400	380	308	102	480	31		27	160	525	18	387	56	F-12	125	4x14	4	85	-
WAFN50450MSEENR1601	450	381	340	114	536	38		36	190	585	20	434	80	F-14	140	4x18	4	100	-
WAFN50500MSEENR1601	500	433	380	127	593	38		36	210	650	20	478	114	F-14	140	4x18	4	100	-
WAFN50600MSEENR1601	600	494	440	154	690	80		60	210	770	24	570	171	F-16	165	4x22	5	130	18x11
WAFN50700MSEENR1601	700	560	485	165	780	106		65	300	840	25	660	228	F-25	254	8x18	5	200	18x11
WAFN50750MSEENR1601	750	590	530	190	836	106		80	300	900	25	705	295	F-25	254	8x18	5	200	22x14
WAFN50800MSEENR1601	800	630	565	190	902	106		80	300	950	27	763	347	F-25	254	8x18	5	200	22x14
WAFN50900MSEENR1601	900	695	610	203	1010	110		80	350	1050	32	866	459	F-25	254	8x18	5	200	22x14
WAFN51000MSEENR1601	1000	770	675	216	1116	110		80	350	1170	32	966	581	F-25	254	8x18	5	200	22x14
WAFN51050MSEENR1601	1050	770	675	216	1148	110		80	350		32	1010	658	F-25	254	8x18	5	200	22x14
WAFN51100MSEENR1601	1100	815	733	216	1215	110		80	350	1270	32	1054	716	F-25	254	8x18	5	200	22x14
WAFN51200MSEENR1601	1200	875	818	254	1334	110		100	350	1390	40	1153	963	F-30	298	8x23	5	230	28x16

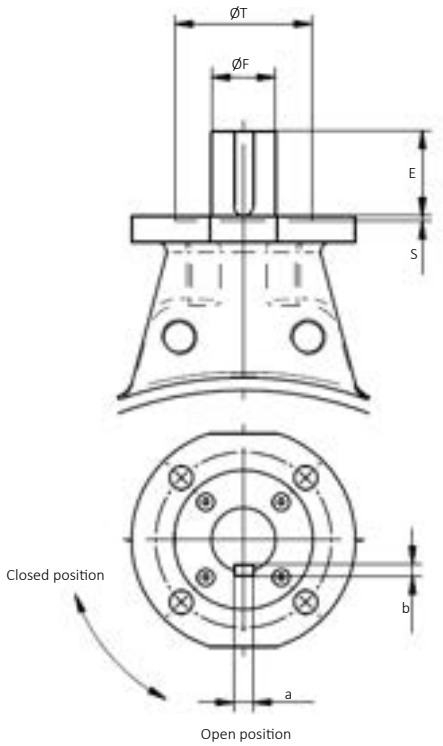
Dimensions

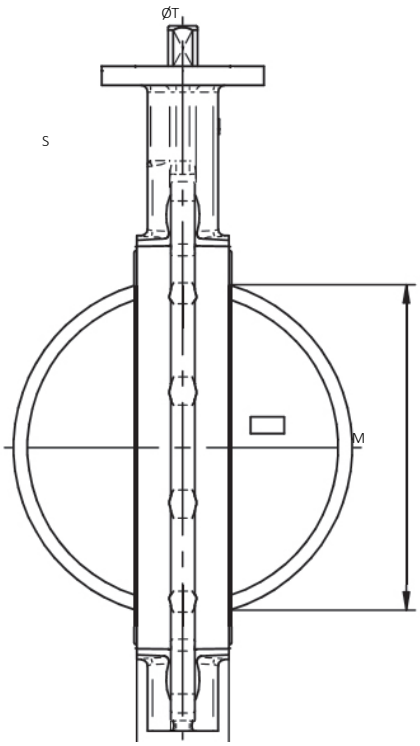
Bare shaft

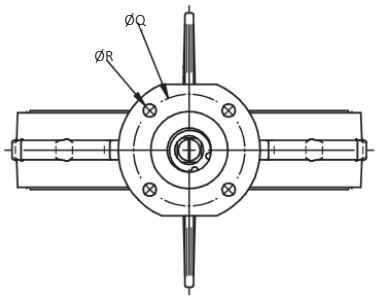
DN 50/500



DN 600/1200







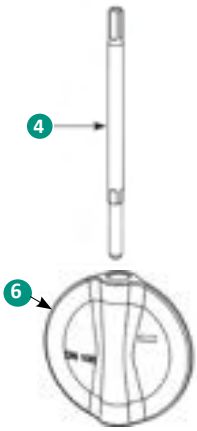
* E1- Short shaft on request

FIVC Butterfly Valve

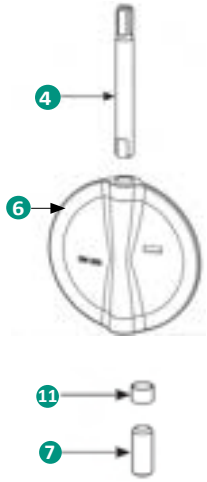
Ductile Iron – PN 16 – Wafer – Actuator – Replaceable – Pinless – EN 1092-2

Product Specification

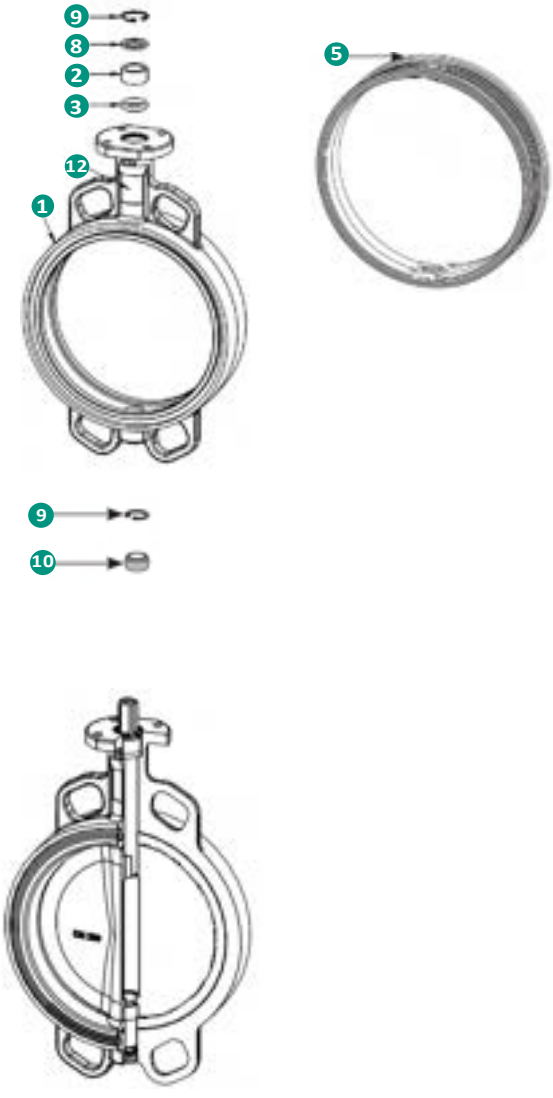
DN 50-100



DN 125-200



DN 50-200



DN 50-500

N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	DN 50-200: Acetal Delrin DN 250-400: Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Stainless Steel CF8M
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel
10	Lower plug	EPDM
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester

DN 250-500

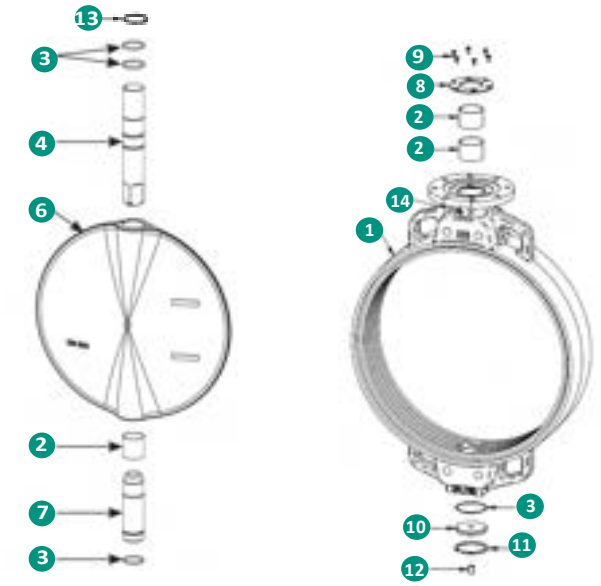


FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Actuator – Replaceable – Pinless – EN 1092-2

Product Specification

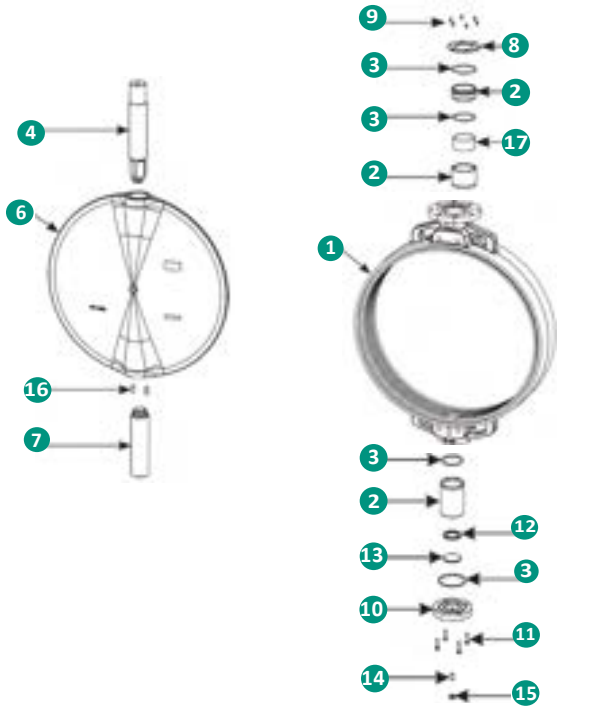
DN 600-1100



DN 600-1200



DN 1200



DN 600-1100

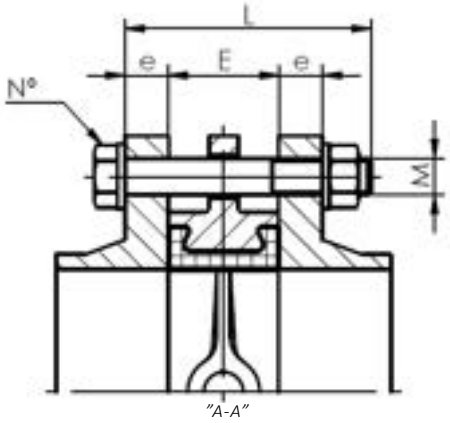
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Stainless Steel CF8M
7	Lower shaft	Stainless Steel AISI 420
8	Upper cover	Carbon Steel Coating Epoxy
9	Bolt upper cover	Zinc-plated Steel DN 7991
10	Lower cover	Carbon Steel Coating Epoxy
11	Seeger Ring	Zinc-plated Steel DIN 472
12	Screw	Zinc-plated Steel DIN 913
13	Retaining Ring Shaft	Zinc-plated Steel DIN 471 DN600/800
14	Features Tag	Polyester

DN 1200

N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	Bronze/Brass
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Stainless Steel CF8M
7	Lower shaft	Stainless Steel AISI 420
8	Upper cover	Carbon Steel Coating Epoxy
9	Bolt upper cover	Zinc-plated Steel DIN 7991
10	Lower cover	Carbon Steel Coating Epoxy
11	Bolt lower cover	Zinc-plated Steel DIN 931
12	Lover ring	Bronze/Brass
13	Friction Disc	Zinc-plated Steel
14	Screw	Zinc-plated Steel DIN 913
15	Nut	Zinc-plated Steel DIN 934
16	Keyway	Stainless Steel AISI 420
17	Bushing	Steel Bronze PTFE

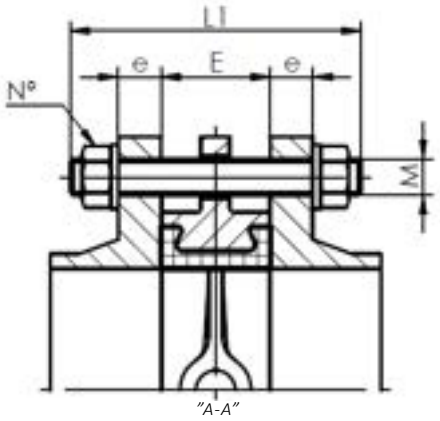
Assembling screwing

Screw



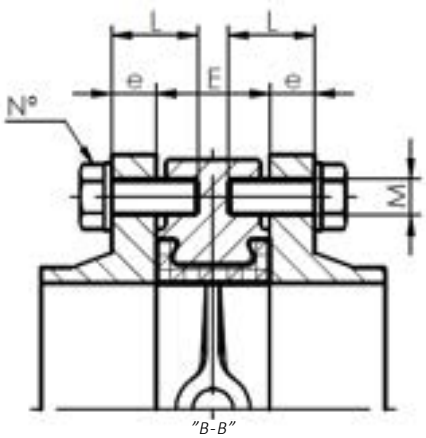
"A-A"

Link



"A-A"

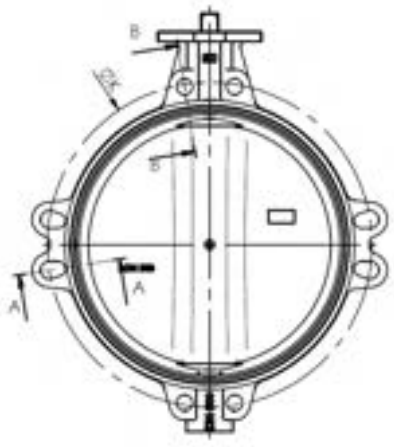
Screw Only



"B-B"

Product code	Size	ØK	E	e	M	L	L1	N°
WAFN50050MSEENR1601	50	125	43	18	M16	100	120	4
WAFN50065MSEENR1601	65	145	46	18	M16	100	120	4
WAFN50080MSEENR1601	80	160	46	20	M16	110	130	8
WAFN50100MSEENR1601	100	180	52	20	M16	110	130	8
WAFN50125MSEENR1601	125	210	56	22	M16	120	140	8
WAFN50150MSEENR1601	150	240	56	22	M20	130	150	8
WAFN50200MSEENR1601	200	295	60	24	M20	130	160	12
WAFN50250MSEENR1601	250	355	68	26	M24	150	170	12
WAFN50300MSEENR1601	300	410	78	28	M24	160	180	12
WAFN50350MSEENR1601	350	470	78	30	M24	170	190	16
WAFN50400MSEENR1601	400	525	102	32	M27	200	220	16
WAFN50450MSEENR1601	450	585	114	32	M27	210/60	240	16/8
WAFN50500MSEENR1601	500	650	127	34	M30	230	260	20
WAFN50600MSEENR1601	600	770	154	36	M33	260	290	20
WAFN50700MSEENR1601	700	840	165	36	M33	270/85	300	20/8
WAFN50750MSEENR1601	750	900	190	38	M33	300/100	340	20/8
WAFN50800MSEENR1601	800	950	190	38	M36	310/80	345	20/8
WAFN50900MSEENR1601	900	1050	203	40	M36	330/100	375	24/8
WAFN51000MSEENR1601	1000	1170	216	42	M39	345/100	390	24/8
WAFN51100MSEENR1601	1100	1270	216	48	M39	360/110	400	28/8
WAFN51200MSEENR1601	1200	1390	254	48	M45	395/115	445	28/8

DN 450	PN. 10-PN.16
DN 500	ANSI 150
DN 700/1200	PN. 10-PN.16-ANSI 150



FIVC Butterfly Valve

Ductile Iron – PN 25 – Wafer – Actuator – Glued – Pinless – EN 1092-2



MSEE series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Stem: Stainless Steel
- Seat: Glued EPDM
- Operation: Electrical actuator in Ductile Iron
- Coating: Epoxy RAL 5015 *(120 µ)*
- Dimensions: Face-to-Face acc. to EN 558-1 *(series 20)*
- Design: EN 593
- Type: Drilling: PN 25; Shaft: SS AISI 420/1.4542; Thread: Wafer
- Hydrostatic test: EN 12266-1
- Resistance: Open valve: 37.5 Kg/cm^3; Closed valve: 27.5 kg/cm^3

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 25 bar

- HVAC
- Water distribution
- Fire fighting
- Shipbuilding
- Neutral fluids
- Gas distribution

Description

FIVC Motorized Wafer Butterfly Valve with its glued seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Since the valve is pinless, the disc is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can by its high quality actuator be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu Bronze
- Ductile Iron

Construction
- w/Pin

Seat
- Vulcanized
- Replaceable

Operation
- 15° notch hand-lever
- Gearbox
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 16 (w/pin)
- PN 20 (w/pin)

Size
- DN 40+

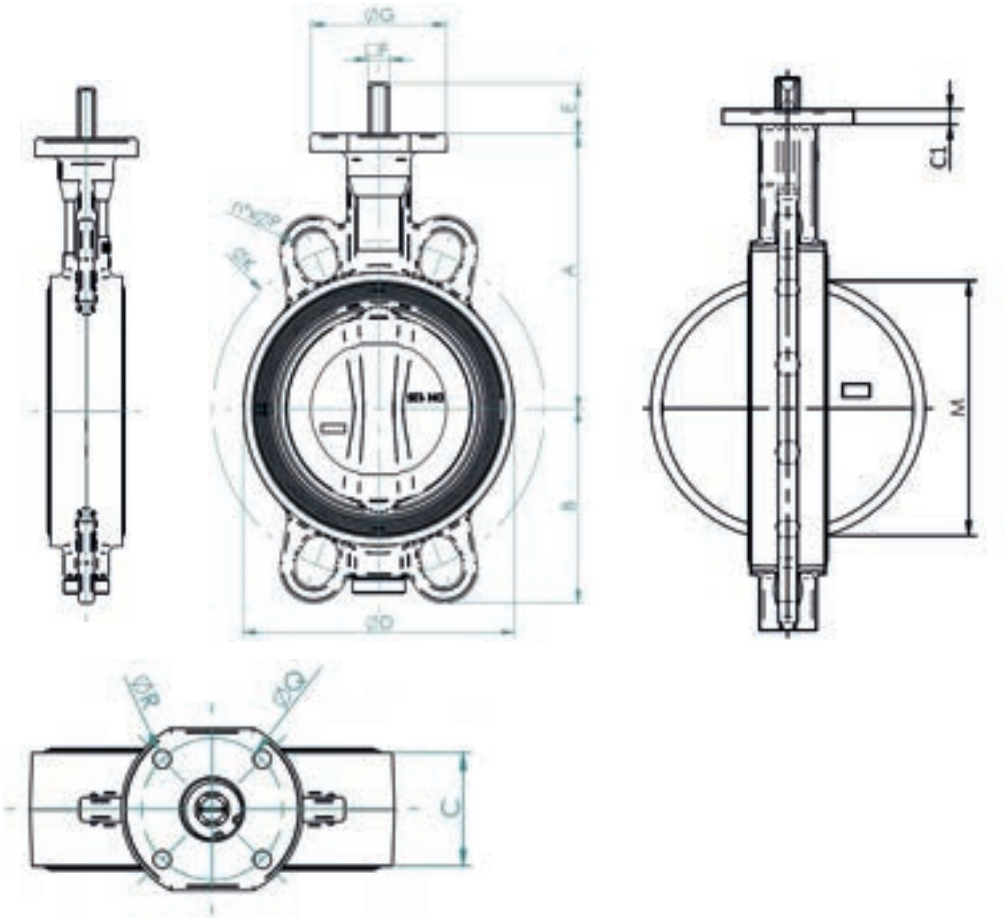
Dimensions of the bare shaft

Product code	Size	General dimensions of bareshaft															
		A	B	C	ØD	E	F	ØG	ØK	n°xØP	ISO	ØQ	ØR	C1	M	S	ØT
WAFN50050MSEENG2501	50	120	61	43	100	30	11	90	125	4xØ18	F-07	70	4x9	10	29	-	-
WAFN50065MSEENG2501	65	135	69	46	108	30	11	90	145	4xØ18	F-07	70	4x9	10	46	-	-
WAFN50080MSEENG2501	80	141	94	46	124	30	11	90	160	8xØ18	F-07	70	4x9	10	65	-	-
WAFN50100MSEENG2501	100	165	106	52	147	30	11	90	190	8xØ23	F-07	70	4x9	10	90	-	-
WAFN50125MSEENG2501	125	180	126	56	180	33	14	90	220	8xØ27	F-07	70	4x9	12	112	-	-
WAFN50150MSEENG2501	150	193	133	56	206	33	14	90	250	8xØ27	F-07	70	4x9	12	139	-	-
WAFN50200MSEENG2501	200	225	170	60	257	33	17	90	310	12xØ27	F-07	70	4x9	12	191	-	-
WAFN110250MSEENG2501	250	282.5	210	68	324	30	22	130	370	12xØ30	F-10	102	4x12	14	241	3	70
WAFN110300MSEENG2501	300	308	240	78	376	30	22	130	430	16xØ30	F-10	102	4x12	14	290	3	70

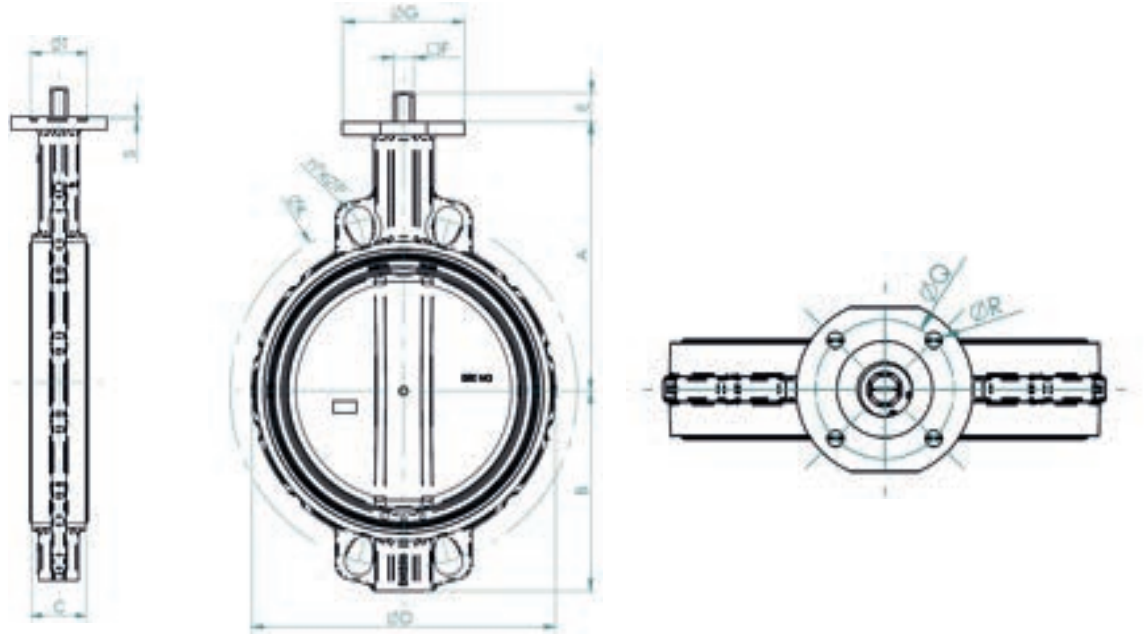
Dimensions are in millimeters

Dimensions of the bare shaft

DN 50-200



DN 250-300

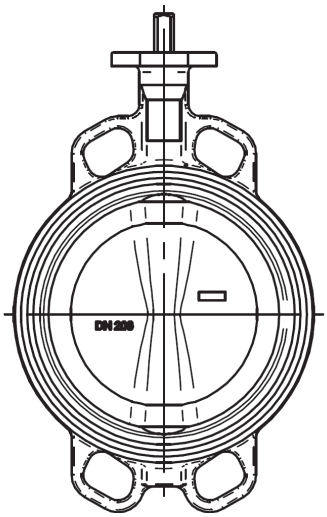


FIVC Butterfly Valve

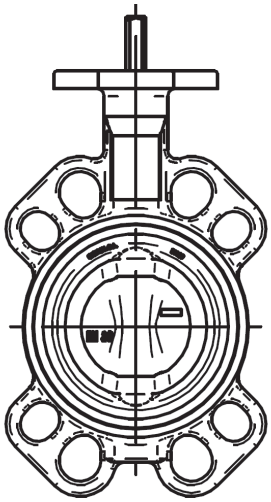
Ductile Iron – PN 25 – Wafer – Actuator – Glued – Pinless – EN 1092-2

Valve design

DN 50-65 and DN 100-300

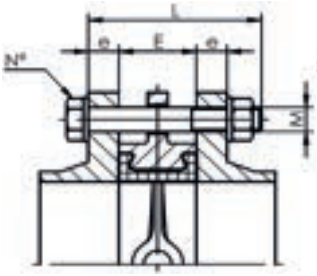


DN 80

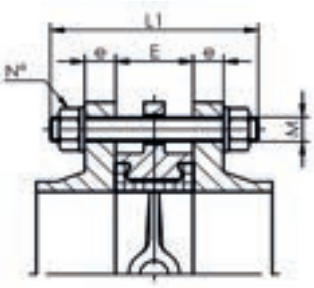


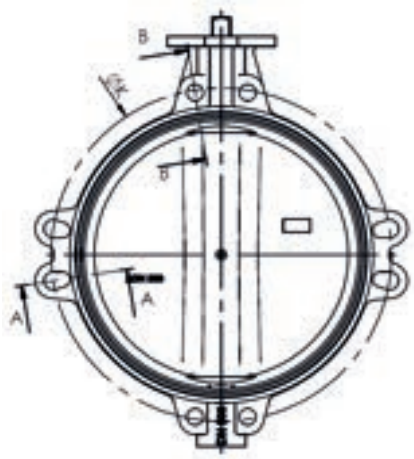
Screw assembly

AA screw



AA Link



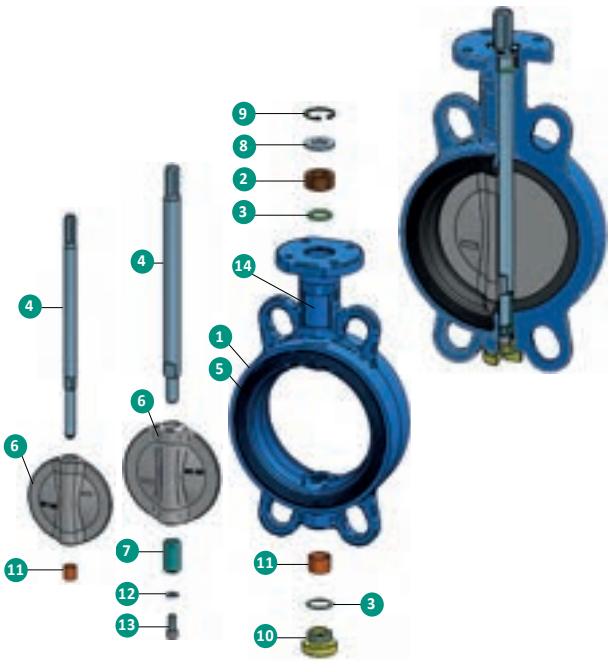


Product code	Size	E	K	e	M	L	L1	N°
WAFN50025MSEENG2501	25	33	85	16	M12	90	110	4
WAFN50032MSEENG2501	32	33	100	16	M16	90	110	4
WAFN50040MSEENG2501	40	33	110	16	M16	90	110	4
WAFN50050MSEENG2501	50	43	125	18	M16	100	120	4
WAFN50065MSEENG2501	65	46	145	18	M16	100	120	4
WAFN50080MSEENG2501	80	46	160	20	M16	110	130	8
WAFN50100MSEENG2501	100	52	180	20	M16	110	130	8
WAFN50125MSEENG2501	125	56	210	22	M16	120	140	8
WAFN50150MSEENG2501	150	56	240	22	M20	130	150	8
WAFN50200MSEENG2501	200	60	295	24	M20	130	160	12
WAFN110250MSEENG2501	250	68	355	26	M24	150	170	12
WAFN110300MSEENG2501	300	78	410	28	M24	160	180	12

Dimensions are in millimeters

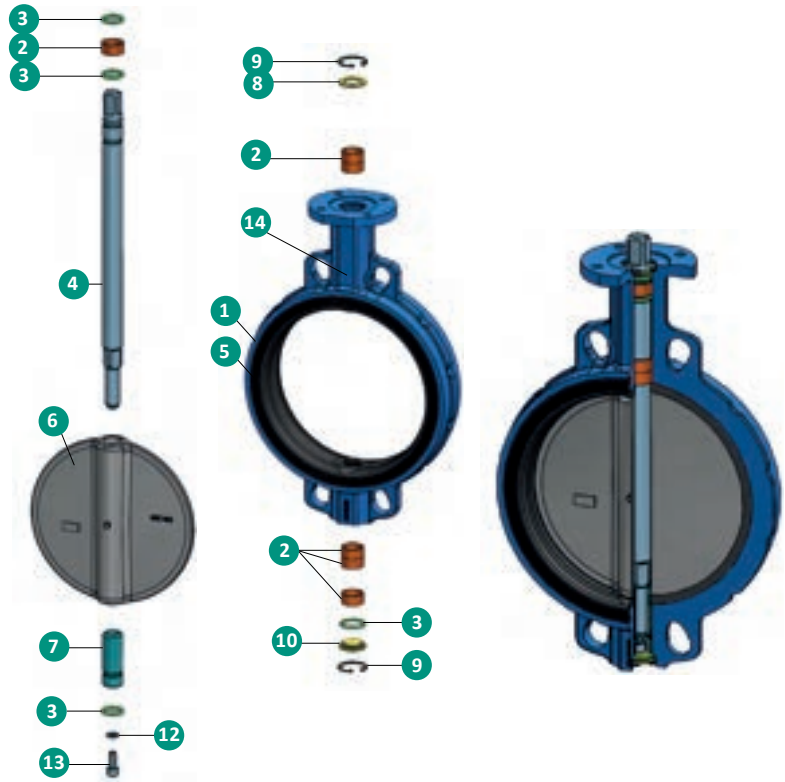
Product Specification

DN 50-100 **DN 125-200**



N°	Name	Material
1	Body	Ductile Iron GJS-400-15 EN 1563
2	Bushing	DN 50-200: Bronze-Brass DN 250-300: Steel-Bz-PTFE 6 Pcs.
3	O-Ring	Nitrile DN 50-100: 1 pcs. DN 125-200: 2 pcs. DN 250-300: 4 pcs.
4	Upper shaft	DN 50-100: Stainless Steel AISI 420 DN 125-300: Stainless Steel 1.4542
5	Seat	Glued EPDM
6	Disc	DN 50-200: Stainless Steel A 351 Gr. CF8M DN 250-300: Super Duplex 1.4469
7	Lower shaft	DN 125-300: Stainless Steel 1.4542
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel DIN 472 DN 50-200: 1 pcs. DN 250-300: 2 pcs.
10	Lower plug	DN 125-300: Stainless Steel AISI 420
11	Bushing	Stainless Steel-Bronze-PTFE
12	Lockwasher	Stainless Steel AISI 304 DIN 127 DN 125-200: 2 pcs. DN 250-300: 1 pcs.
13	Screw	DN 125-300: Stainless Steel AISI 304 DIN 912
14	Features tag	Polyester
15	Coating	Epoxy RAL 5015 - 120 µ

DN 250-300



FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Actuator – Replaceable – Pinless – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Super Duplex
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Electrical actuator Aluminium
- Coating: Epoxy
- Standard: BS EN 593 top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face EN 558-1 *(series 20)*
  DIN 3202 T3 K1 ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Wafer
- Tests: Hydraulic test 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water distribution
- HVAC
- Shipbuilding

Description

FIVC Wafer Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function. Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can by its high quality Bernard Controls actuator be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been manufactured and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu-Bronze
- Ductile Iron
- Stainless Steel

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

Operation
- 15° notch handlever
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

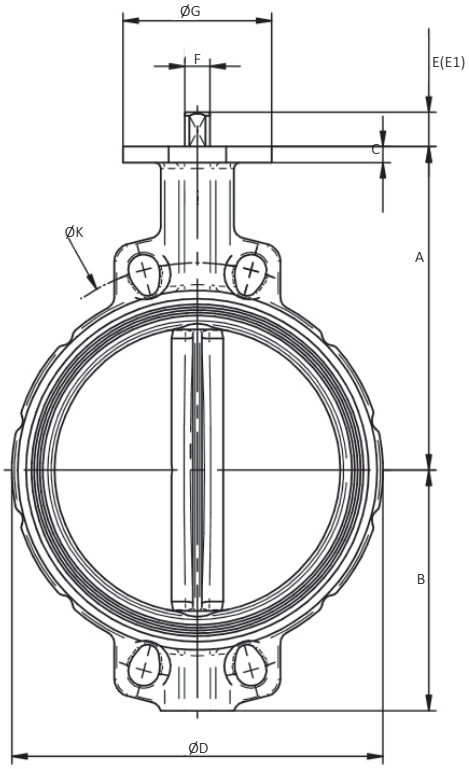
Product Information

Product code	Size	General dimensions of bareshaft																	
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WAFN110050MSEENR1601	50	120	61	43	100	30	16	11	90	125	10	29	2.4	F-07	70	4x9	-	-	-
WAFN110065MSEENR1601	65	135	69	46	108	30	16	11	90	145	10	46	2.7	F-07	70	4x9	-	-	-
WAFN110080MSEENR1601	80	141	94	46	124	30	16	11	90	160	10	65	3.2	F-07	70	4x9	-	-	-
WAFN110100MSEENR1601	100	165	106	52	147	30	16	11	90	180	10	90	4.0	F-07	70	4x9	-	-	-
WAFN110125MSEENR1601	125	180	126	56	180	33	18	14	90	210	12	112	6.2	F-07	70	4x9	-	-	-
WAFN110150MSEENR1601	150	193	133	56	206	33	18	14	90	240	12	139	7.3	F-07	70	4x9	-	-	-
WAFN110200MSEENR1601	200	225	170	60	257	33	18	17	90	295	12	191	11	F-07	70	4x9	-	-	-
WAFN110250MSEENR1601	250	283	210	68	324	30	23	22	130	355	14	241	20	F-10	102	4x12	3	70	-
WAFN110300MSEENR1601	300	308	240	78	376	30	23	22	130	410	14	290	30	F-10	102	4x12	3	70	-
WAFN110350MSEENR1601	350	339	263	78	422	31		22	160	470	16	338	35	F-10	102	4x12	3	70	-
WAFN110400MSEENR1601	400	380	308	102	480	31		27	160	525	18	387	56	F-12	125	4x14	4	85	-
WAFN110450MSEENR1601	450	381	340	114	536	38		36	190	585	20	434	80	F-14	140	4x18	4	100	-
WAFN110500MSEENR1601	500	433	380	127	593	38		36	210	650	20	478	114	F-14	140	4x18	4	100	-
WAFN110600MSEENR1601	600	494	440	154	690	80		60	210	770	24	570	171	F-16	165	4x22	5	130	18x11
WAFN110700MSEENR1601	700	560	485	165	780	106		65	300	840	25	660	228	F-25	254	8x18	5	200	18x11
WAFN110750MSEENR1601	750	590	530	190	836	106		80	300	900	25	705	295	F-25	254	8x18	5	200	22x14
WAFN110800MSEENR1601	800	630	565	190	902	106		80	300	950	27	763	347	F-25	254	8x18	5	200	22x14
WAFN110900MSEENR1601	900	695	610	203	1010	110		80	350	1050	32	866	459	F-25	254	8x18	5	200	22x14
WAFN111000MSEENR1601	1000	770	675	216	1116	110		80	350	1170	32	966	581	F-25	254	8x18	5	200	22x14
WAFN111050MSEENR1601	1050	770	675	216	1148	110		80	350		32	1010	658	F-25	254	8x18	5	200	22x14
WAFN111100MSEENR1601	1100	815	733	216	1215	110		80	350	1270	32	1054	716	F-25	254	8x18	5	200	22x14
WAFN111200MSEENR1601	1200	875	818	254	1334	110		100	350	1390	40	1153	963	F-30	298	8x23	5	230	28x16

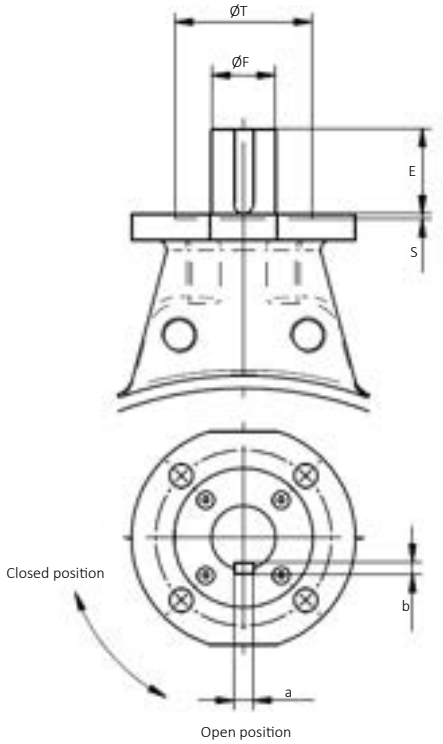
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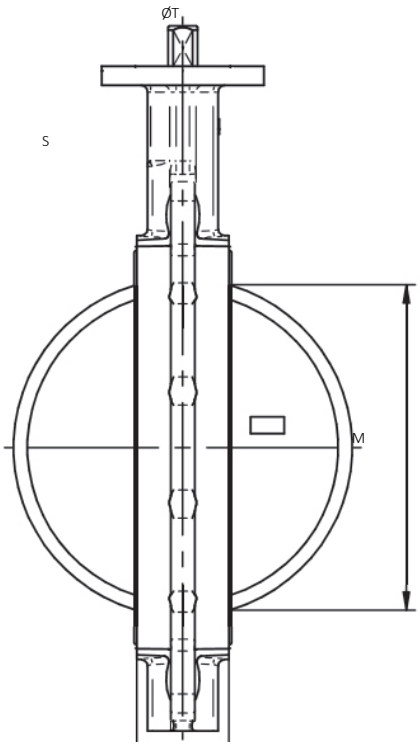
Bare shaft

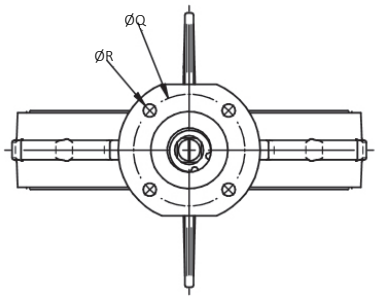
DN 50/500



DN 600/1200







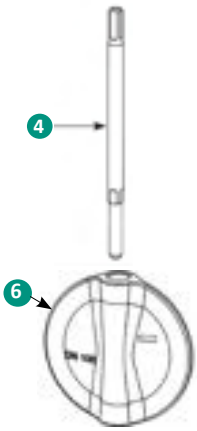
* E1- Short shaft on request

FIVC Butterfly Valve

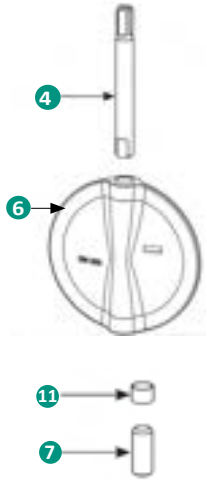
Ductile Iron – PN 16 – Wafer – Actuator – Replaceable – Pinless – EN 1092-2

Product Specification

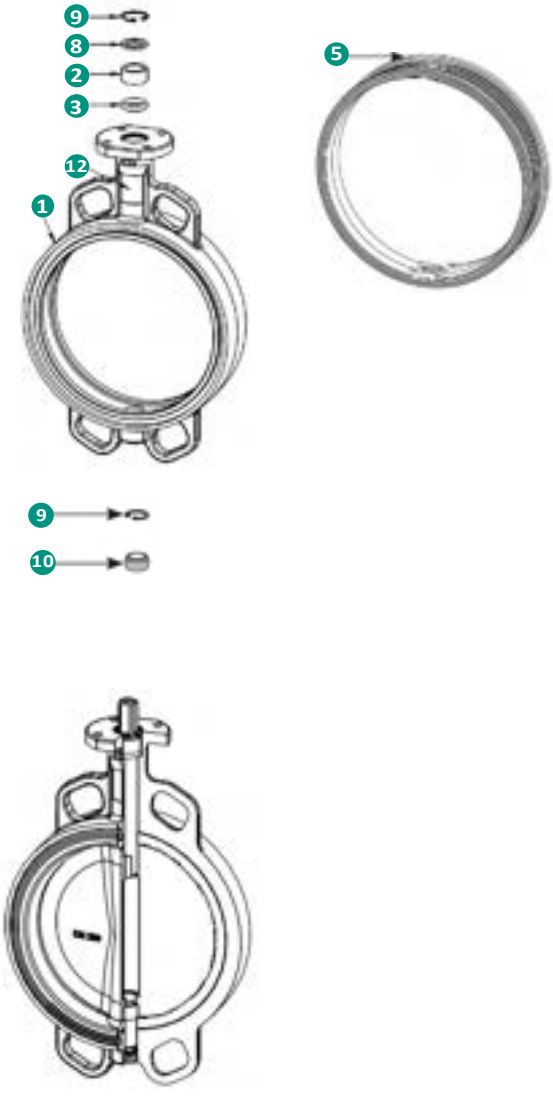
DN 50-100



DN 125-200



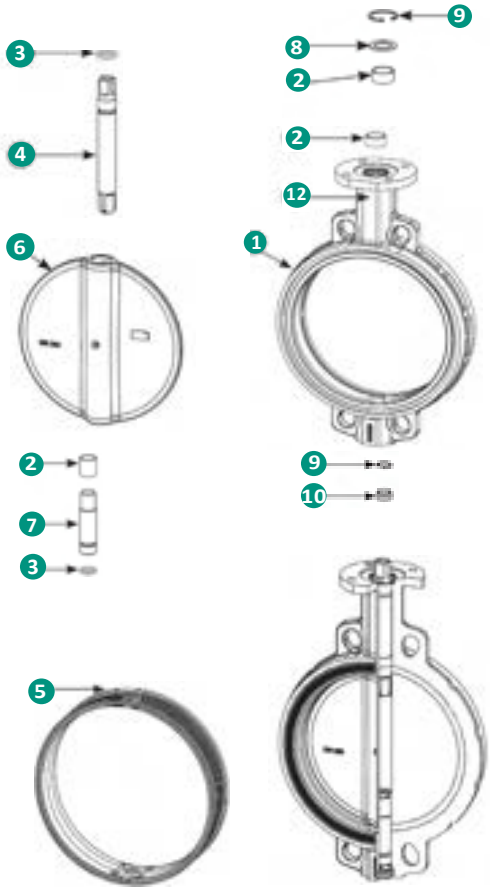
DN 50-200



DN 50-500

N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	DN 50-200: Acetal Delrin DN 250-400: Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Super Duplex 1.4469
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel
10	Lower plug	EPDM
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester

DN 250-500

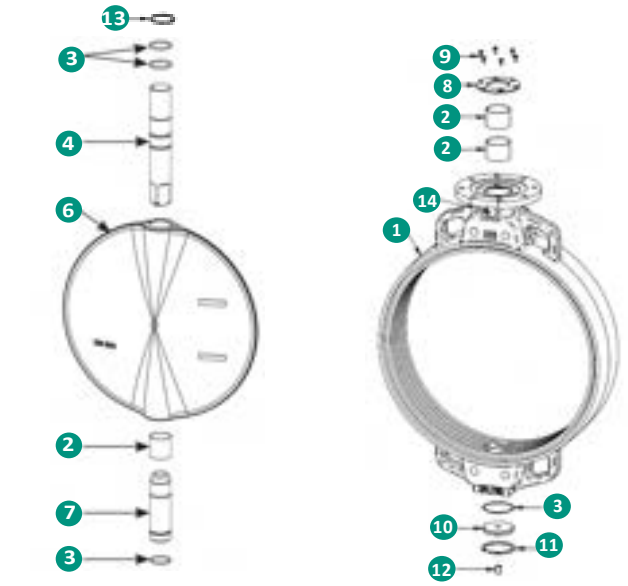


FIVC Butterfly Valve

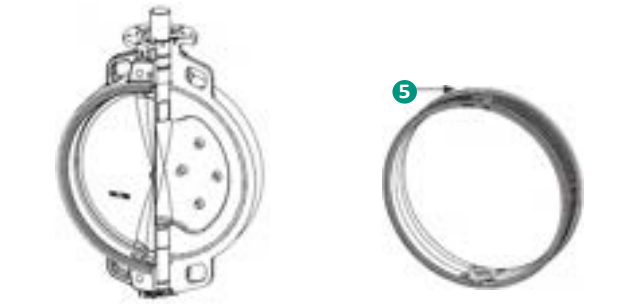
Ductile Iron – PN 16 – Wafer – Actuator – Replaceable – Pinless – EN 1092-2

Product Specification

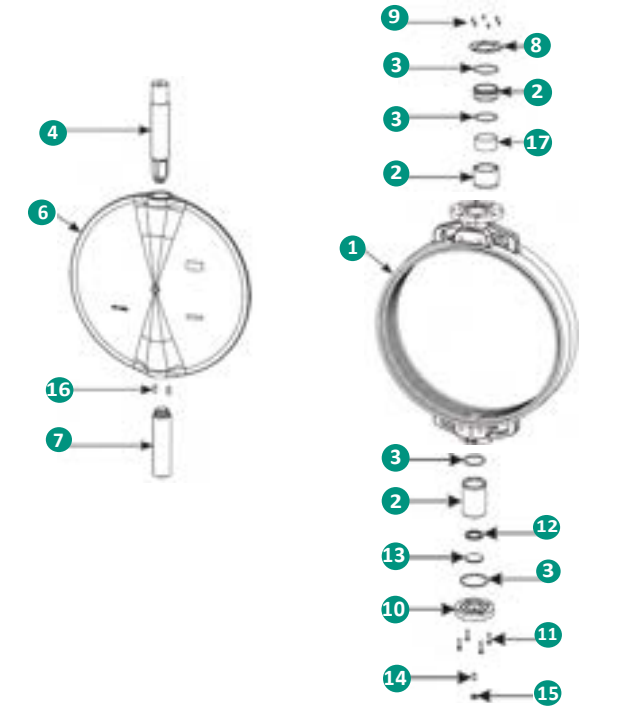
DN 600-1100



DN 600-1200



DN 1200



DN 600-1100

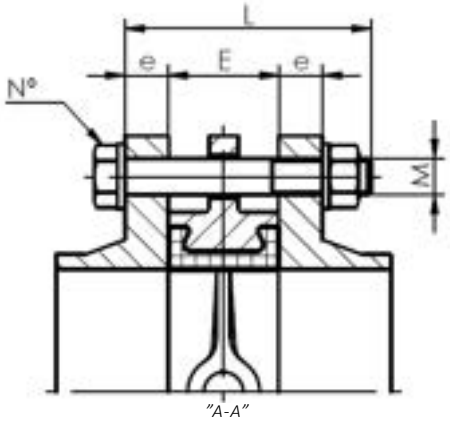
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Super Duplex 1.4469
7	Lower shaft	Stainless Steel AISI 420
8	Upper cover	Carbon Steel Coating Epoxy
9	Bolt upper cover	Zinc-plated Steel DN 7991
10	Lower cover	Carbon Steel Coating Epoxy
11	Seeger Ring	Zinc-plated Steel DIN 472
12	Screw	Zinc-plated Steel DIN 913
13	Retaining Ring Shaft	Zinc-plated Steel DIN 471 DN600/800
14	Features Tag	Polyester

DN 1200

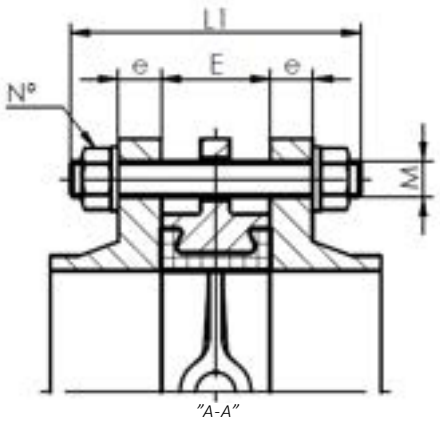
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	Bronze/Brass
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Super Duplex 1.4469
7	Lower shaft	Stainless Steel AISI 420
8	Upper cover	Carbon Steel Coating Epoxy
9	Bolt upper cover	Zinc-plated Steel DIN 7991
10	Lower cover	Carbon Steel Coating Epoxy
11	Bolt lower cover	Zinc-plated Steel DIN 931
12	Lover ring	Bronze/Brass
13	Friction Disc	Zinc-plated Steel
14	Screw	Zinc-plated Steel DIN 913
15	Nut	Zinc-plated Steel DIN 934
16	Keyway	Stainless Steel AISI 420
17	Bushing	Steel Bronze PTFE

Assembling screwing

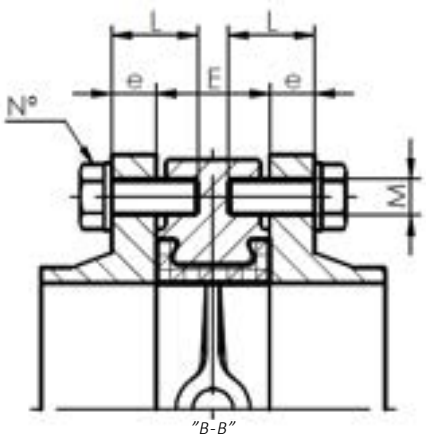
Screw



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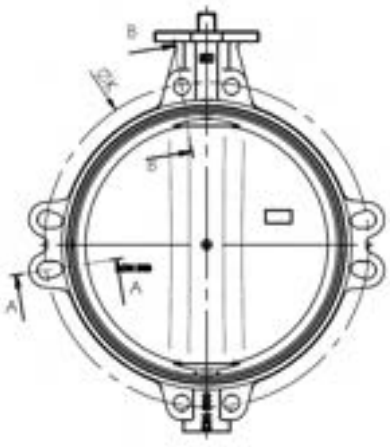


Screw Only



Product code	Size	ØK	E	e	M	L	L1	N°
WAFN110050MSEENR1601	50	125	43	18	M16	100	120	4
WAFN110065MSEENR1601	65	145	46	18	M16	100	120	4
WAFN110080MSEENR1601	80	160	46	20	M16	110	130	8
WAFN110100MSEENR1601	100	180	52	20	M16	110	130	8
WAFN110125MSEENR1601	125	210	56	22	M16	120	140	8
WAFN110150MSEENR1601	150	240	56	22	M20	130	150	8
WAFN110200MSEENR1601	200	295	60	24	M20	130	160	12
WAFN110250MSEENR1601	250	355	68	26	M24	150	170	12
WAFN110300MSEENR1601	300	410	78	28	M24	160	180	12
WAFN110350MSEENR1601	350	470	78	30	M24	170	190	16
WAFN110400MSEENR1601	400	525	102	32	M27	200	220	16
WAFN110450MSEENR1601	450	585	114	32	M27	210/60	240	16/8
WAFN110500MSEENR1601	500	650	127	34	M30	230	260	20
WAFN110600MSEENR1601	600	770	154	36	M33	260	290	20
WAFN110700MSEENR1601	700	840	165	36	M33	270/85	300	20/8
WAFN110750MSEENR1601	750	900	190	38	M33	300/100	340	20/8
WAFN110800MSEENR1601	800	950	190	38	M36	310/80	345	20/8
WAFN110900MSEENR1601	900	1050	203	40	M36	330/100	375	24/8
WAFN111000MSEENR1601	1000	1170	216	42	M39	345/100	390	24/8
WAFN111100MSEENR1601	1100	1270	216	48	M39	360/110	400	28/8
WAFN111200MSEENR1601	1200	1390	254	48	M45	395/115	445	28/8

DN 450	PN. 10-PN.16
DN 500	ANSI 150
DN 700/1200	PN. 10-PN.16-ANSI 150



FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Actuator – Replaceable – Pinless – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Electrical actuator in Polyamide
- Coating: Epoxy
- Standard: BS EN 593 top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face EN 558-1 *(series 20)*
  DIN 3202 T3 K1 ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Wafer
- Tests: Hydraulic test 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water distribution
- HVAC
- Shipbuilding

Description

FIVC Wafer Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes.
With its high quality rotational disc, the valve features quick shut-off function.
Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance.
Furthermore, the valve can by its high quality JJ actuator be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been manufactured and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Ductile Iron
- Alu-Bronze

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

Operation
- 15° notch hand-lever
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

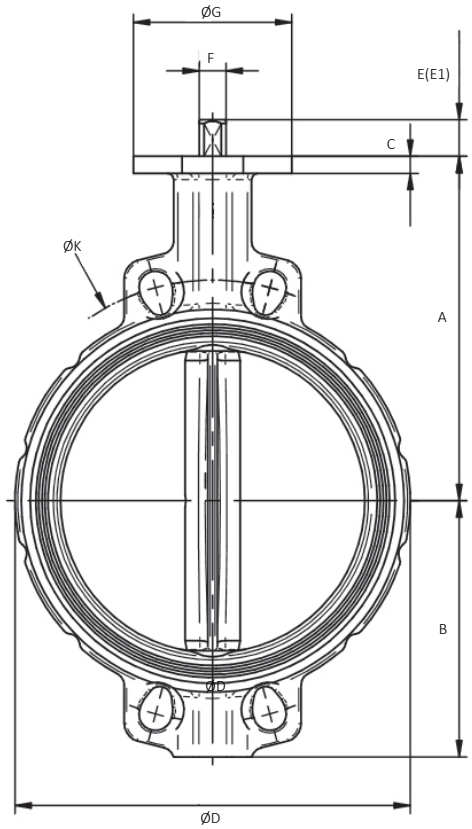
Product Information

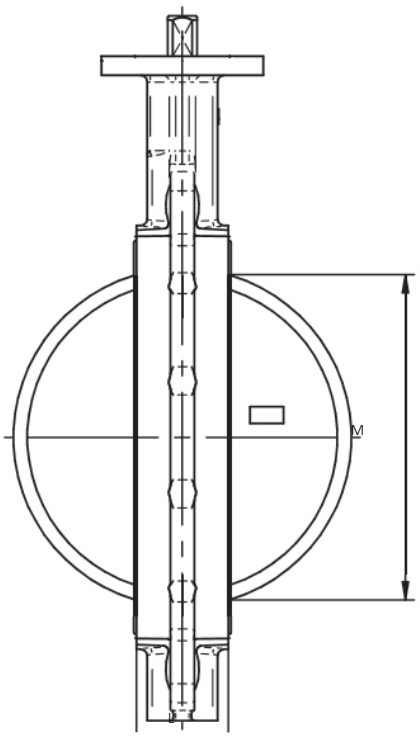
Product code	Size	General dimensions of bareshaft														
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WAFN50065MSEENR1601	65	135	69	46	108	30	16	11	90	145	10	46	2.7	F-07	70	4x9
WAFN50080MSEENR1601	80	141	94	46	124	30	16	11	90	160	10	65	3.2	F-07	70	4x9
WAFN50100MSEENR1601	100	165	106	52	147	30	16	11	90	180	10	90	4.0	F-07	70	4x9
WAFN50125MSEENR1601	125	180	126	56	180	33	18	14	90	210	12	112	6.2	F-07	70	4x9
WAFN50150MSEENR1601	150	193	133	56	206	33	18	14	90	240	12	139	7.3	F-07	70	4x9
WAFN50200MSEENR1601	200	225	170	60	257	33	18	17	90	295	12	191	11	F-07	70	4x9
WAFN50250MSEENR1001	250	283	210	68	324	30	23	22	130	355	14	241	20	F-10	102	4x12

Dimensions

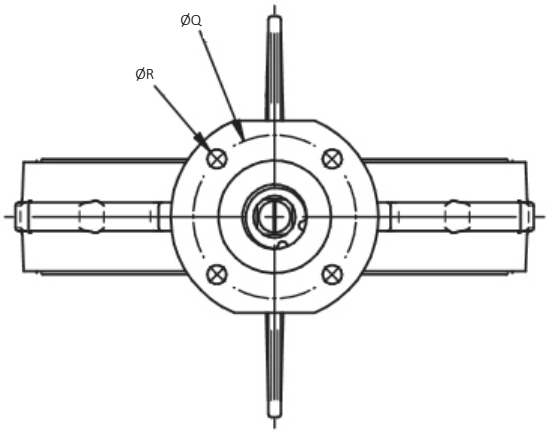
Bare shaft

DN 50/250





E1- Short shaft on request

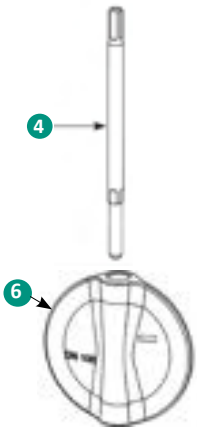


FIVC Butterfly Valve

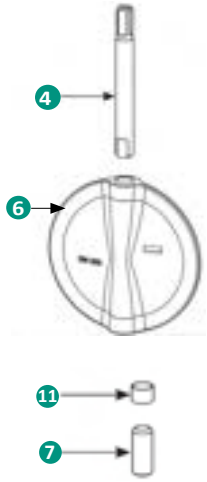
Ductile Iron – PN 16 – Wafer – Actuator – Replaceable – Pinless – EN 1092-2

Product Specification

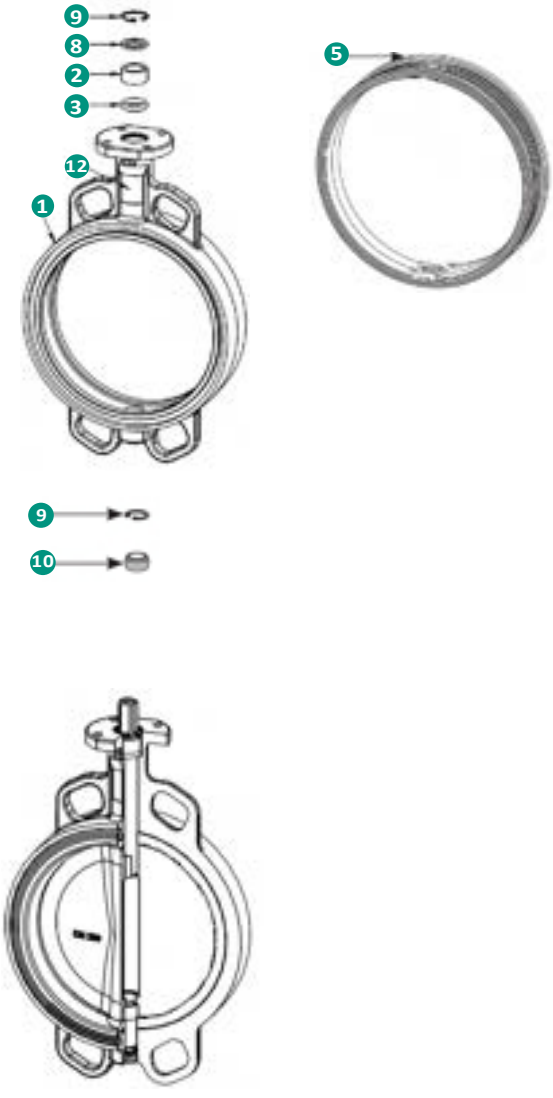
DN 50-100



DN 125-200



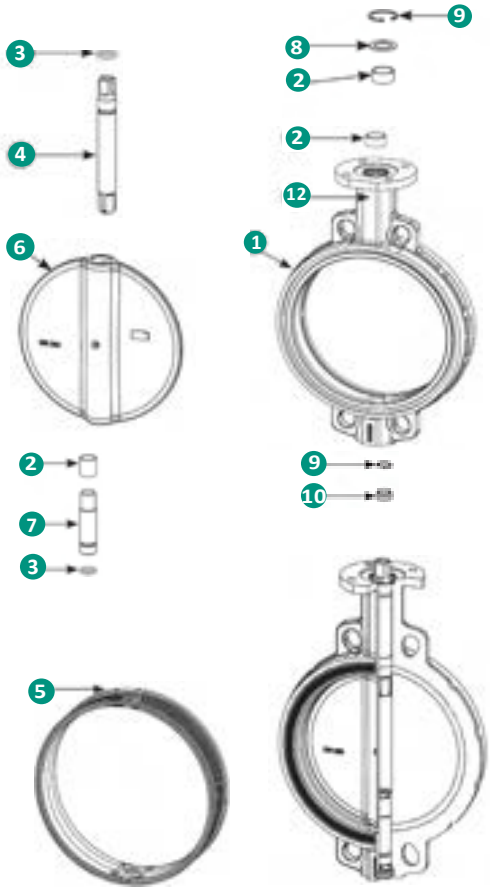
DN 50-200



DN 50-250

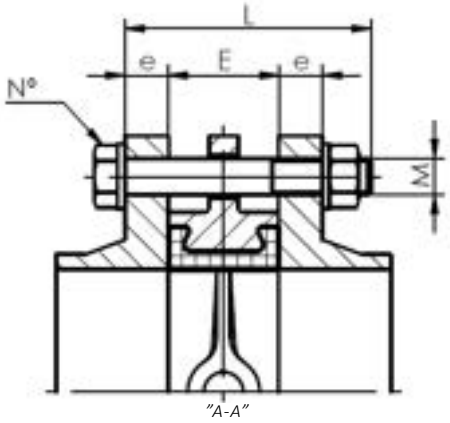
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	DN 50-200: Acetal Delrin DN 250-400: Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Stainless Steel CF8M
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel
10	Lower plug	EPDM
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester

DN 250

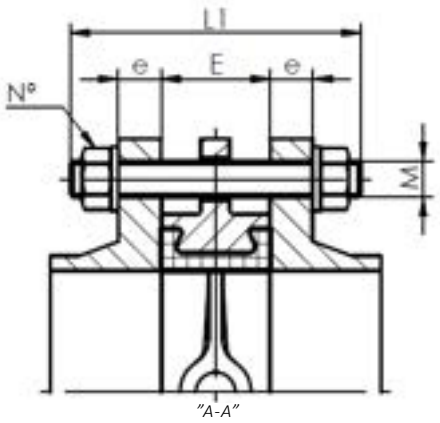


Assembling screwing

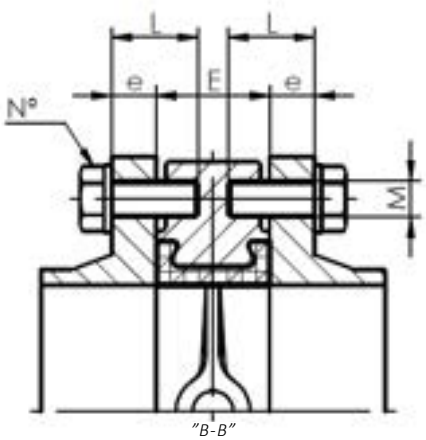
Screw



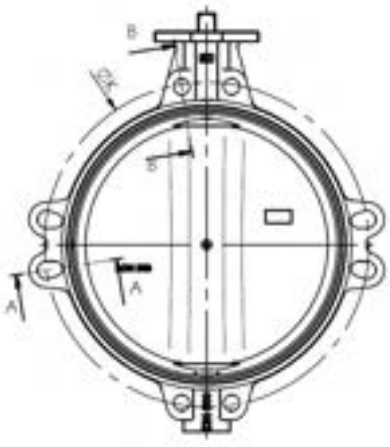
Link



Screw Only



Product code	Size	ØK	E	e	M	L	L1	N°
WAFN50050MSEENR1601	50	125	43	18	M16	100	120	4
WAFN50065MSEENR1601	65	145	46	18	M16	100	120	4
WAFN50080MSEENR1601	80	160	46	20	M16	110	130	8
WAFN50100MSEENR1601	100	180	52	20	M16	110	130	8
WAFN50125MSEENR1601	125	210	56	22	M16	120	140	8
WAFN50150MSEENR1601	150	240	56	22	M20	130	150	8
WAFN50200MSEENR1601	200	295	60	24	M20	130	160	12
WAFN50250MSEENR1001	250	355	68	26	M24	150	170	12



FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Actuator – Replaceable – Pinless – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Super Duplex
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Electrical actuator in Polyamide
- Coating: Epoxy
- Standard: BS EN 593 top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face EN 558-1 *(series 20)* DIN 3202 T3 K1 ISO 5752 T5 API 609 BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16; Shaft: SS AISI 420; Thread: Wafer
- Tests: Hydraulic test 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water distribution
- HVAC
- Shipbuilding

Description

FIVC Wafer Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes.
With its high quality rotational disc, the valve features quick shut-off function.
Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance.
Furthermore, the valve can by its high quality JJ actuator be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been manufactured and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Ductile Iron
- Alu-Bronze
- Stainless Steel

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

Operation
- 15° notch hand-lever
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

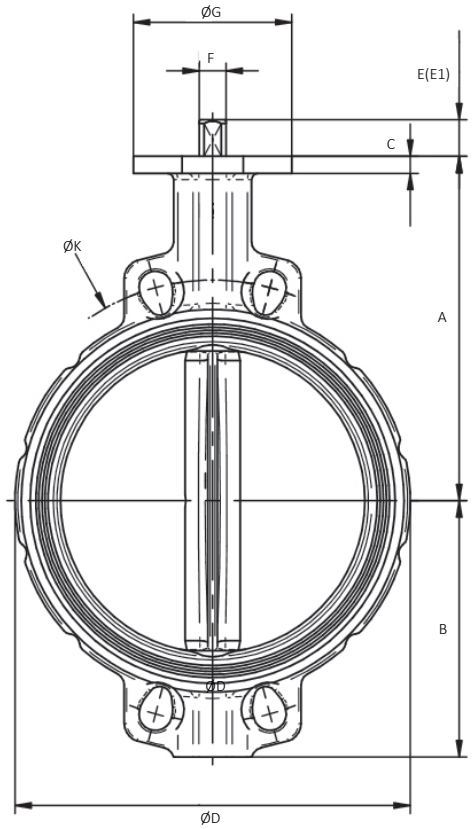
Product Information

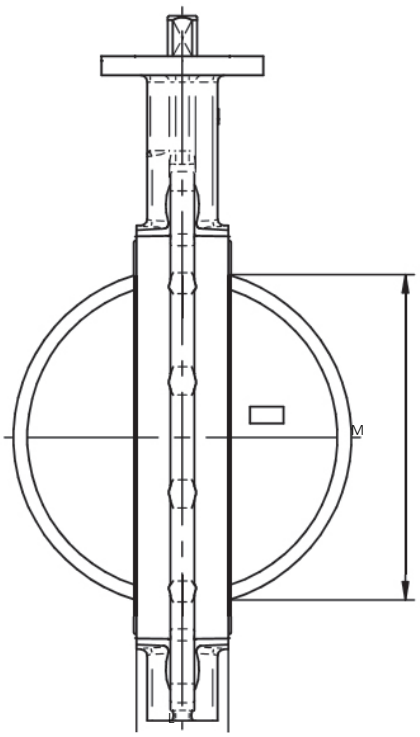
Product code	Size	General dimensions of bareshaft														
		A	B	L	D	E	E1	F	G	K	C	M	Kg	ISO	Q	R
WAFN110050MSEENR1601	50	120	61	43	100	30	16	11	90	125	10	29	2.4	F-07	70	4x9
WAFN110065MSEENR1601	65	135	69	46	108	30	16	11	90	145	10	46	2.7	F-07	70	4x9
WAFN110080MSEENR1601	80	141	94	46	124	30	16	11	90	160	10	65	3.2	F-07	70	4x9
WAFN110100MSEENR1601	100	165	106	52	147	30	16	11	90	180	10	90	4.0	F-07	70	4x9
WAFN110125MSEENR1601	125	180	126	56	180	33	18	14	90	210	12	112	6.2	F-07	70	4x9
WAFN110150MSEENR1601	150	193	133	56	206	33	18	14	90	240	12	139	7.3	F-07	70	4x9
WAFN110200MSEENR1601	200	225	170	60	257	33	18	17	90	295	12	191	11	F-07	70	4x9
WAFN110250MSEENR1001	250	283	210	68	324	30	23	22	130	355	14	241	20	F-10	102	4x12

Dimensions

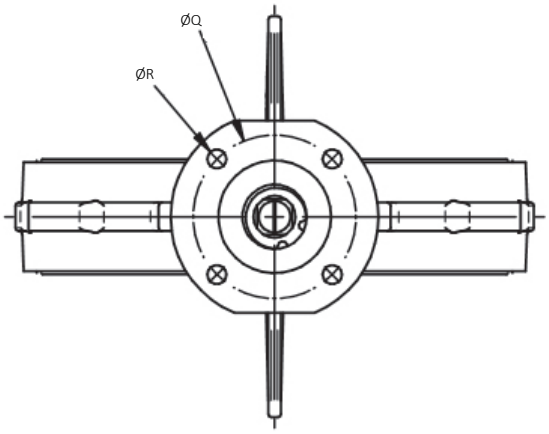
Bare shaft

DN 50/250





E1- Short shaft on request

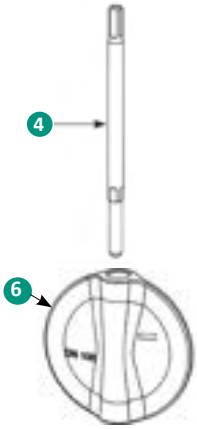


FIVC Butterfly Valve

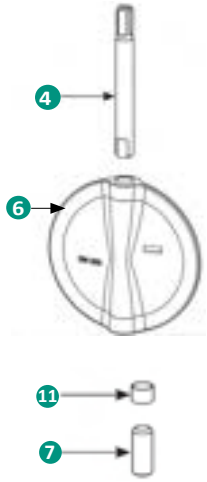
Ductile Iron – PN 16 – Wafer – Actuator – Replaceable – Pinless – EN 1092-2

Product Specification

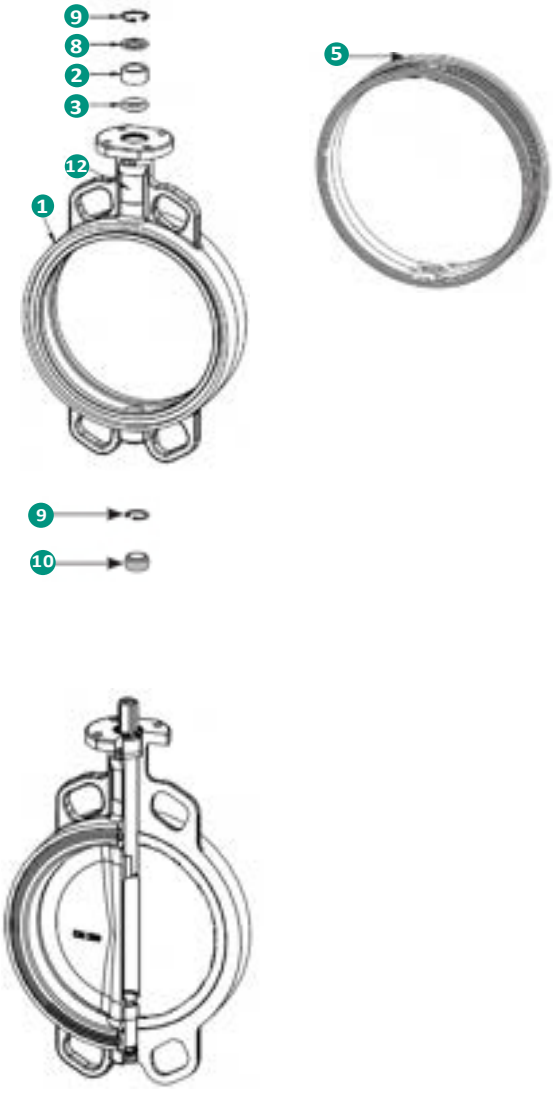
DN 50-100



DN 125-200



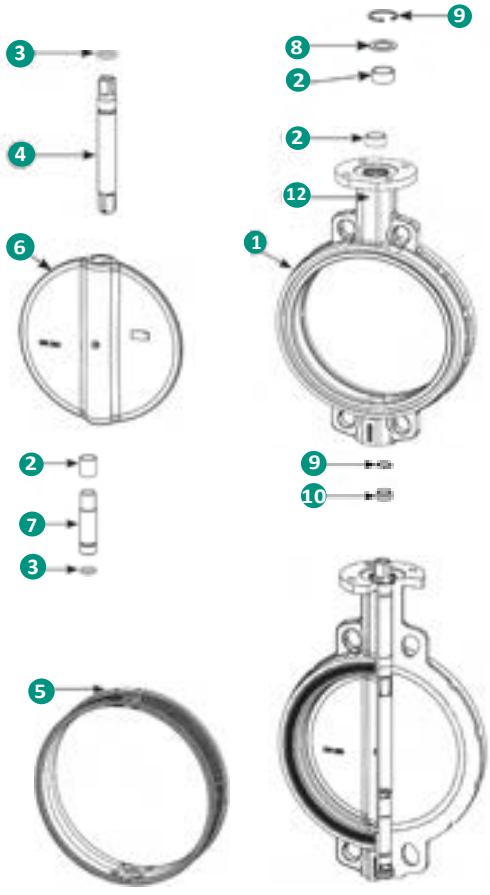
DN 50-200



DN 50-250

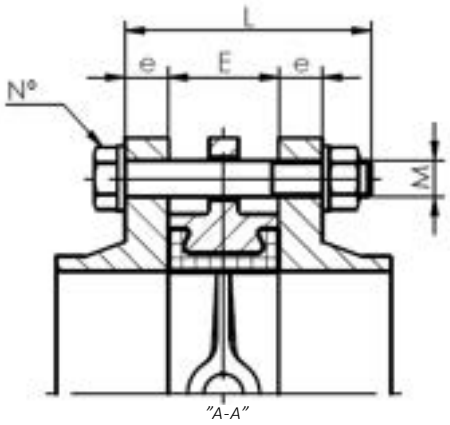
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	DN 50-200: Acetal Delrin DN 250-400: Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Super Duplex 1.4469
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel
10	Lower plug	EPDM
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester

DN 250

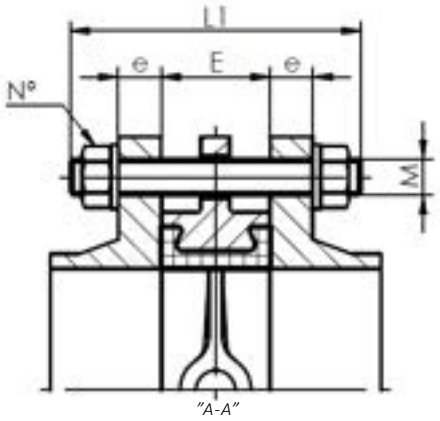


Assembling screwing

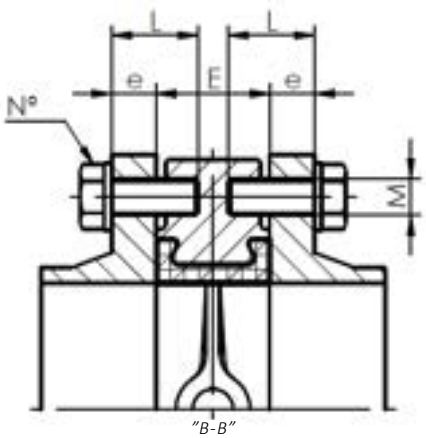
Screw



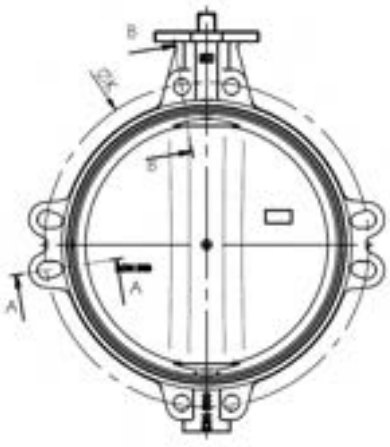
Link



Screw Only



Product code	Size	ØK	E	e	M	L	L1	N°
WAFN110050MSEENR1601	50	125	43	18	M16	100	120	4
WAFN110065MSEENR1601	65	145	46	18	M16	100	120	4
WAFN110080MSEENR1601	80	160	46	20	M16	110	130	8
WAFN110100MSEENR1601	100	180	52	20	M16	110	130	8
WAFN110125MSEENR1601	125	210	56	22	M16	120	140	8
WAFN110150MSEENR1601	150	240	56	22	M20	130	150	8
WAFN110200MSEENR1601	200	295	60	24	M20	130	160	12
WAFN110250MSEENR1001	250	355	68	26	M24	150	170	12



FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Actuator – Replaceable – Pinless – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Alu-Bronze
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Electrical actuator in Aluminium
- Coating: Epoxy
- Standard: BS EN 593 top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face EN 558-1 *(series 20)*
  DIN 3202 T3 K1 ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Wafer
- Tests: Hydraulic test 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water distribution
- HVAC
- Shipbuilding

Description

FIVC Wafer Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function. Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can by its high quality Bernard Controls actuator be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been manufactured and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Ductile Iron
- Stainless Steel

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

Operation
- 15° notch handlever
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

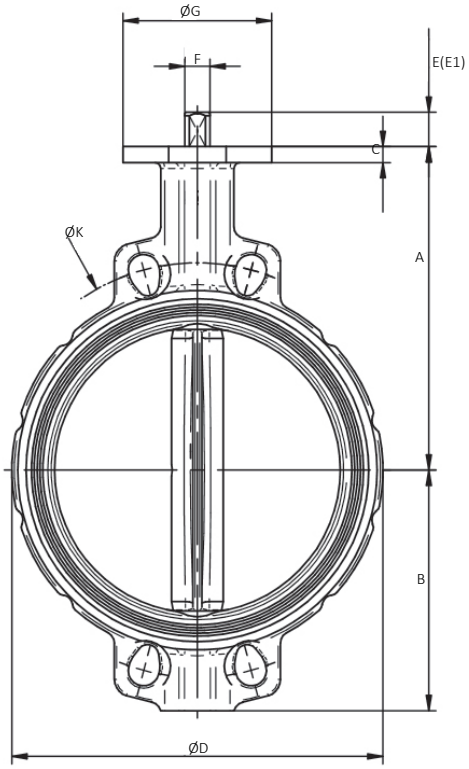
Product Information

Product code	Size	General dimensions of bareshaft																	
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WAFN40050MSEENR1601	50	120	61	43	100	30	16	11	90	125	10	29	2.4	F-07	70	4x9	-	-	-
WAFN40065MSEENR1601	65	135	69	46	108	30	16	11	90	145	10	46	2.7	F-07	70	4x9	-	-	-
WAFN40080MSEENR1601	80	141	94	46	124	30	16	11	90	160	10	65	3.2	F-07	70	4x9	-	-	-
WAFN40100MSEENR1601	100	165	106	52	147	30	16	11	90	180	10	90	4.0	F-07	70	4x9	-	-	-
WAFN40125MSEENR1601	125	180	126	56	180	33	18	14	90	210	12	112	6.2	F-07	70	4x9	-	-	-
WAFN40150MSEENR1601	150	193	133	56	206	33	18	14	90	240	12	139	7.3	F-07	70	4x9	-	-	-
WAFN40200MSEENR1601	200	225	170	60	257	33	18	17	90	295	12	191	11	F-07	70	4x9	-	-	-
WAFN40250MSEENR1601	250	283	210	68	324	30	23	22	130	355	14	241	20	F-10	102	4x12	3	70	-
WAFN40300MSEENR1601	300	308	240	78	376	30	23	22	130	410	14	290	30	F-10	102	4x12	3	70	-
WAFN40350MSEENR1601	350	339	263	78	422	31		22	160	470	16	338	35	F-10	102	4x12	3	70	-
WAFN40400MSEENR1601	400	380	308	102	480	31		27	160	525	18	387	56	F-12	125	4x14	4	85	-
WAFN40450MSEENR1601	450	381	340	114	536	38		36	190	585	20	434	80	F-14	140	4x18	4	100	-
WAFN40500MSEENR1601	500	433	380	127	593	38		36	210	650	20	478	114	F-14	140	4x18	4	100	-
WAFN40600MSEENR1601	600	494	440	154	690	80		60	210	770	24	570	171	F-16	165	4x22	5	130	18x11
WAFN40700MSEENR1601	700	560	485	165	780	106		65	300	840	25	660	228	F-25	254	8x18	5	200	18x11
WAFN40750MSEENR1601	750	590	530	190	836	106		80	300	900	25	705	295	F-25	254	8x18	5	200	22x14
WAFN40800MSEENR1601	800	630	565	190	902	106		80	300	950	27	763	347	F-25	254	8x18	5	200	22x14
WAFN40900MSEENR1601	900	695	610	203	1010	110		80	350	1050	32	866	459	F-25	254	8x18	5	200	22x14
WAFN41000MSEENR1601	1000	770	675	216	1116	110		80	350	1170	32	966	581	F-25	254	8x18	5	200	22x14
WAFN41050MSEENR1601	1050	770	675	216	1148	110		80	350		32	1010	658	F-25	254	8x18	5	200	22x14
WAFN41100MSEENR1601	1100	815	733	216	1215	110		80	350	1270	32	1054	716	F-25	254	8x18	5	200	22x14
WAFN41200MSEENR1601	1200	875	818	254	1334	110		100	350	1390	40	1153	963	F-30	298	8x23	5	230	28x16

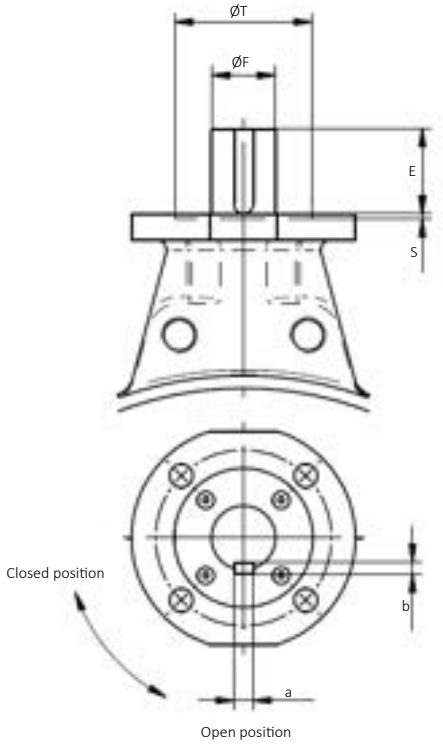
Dimensions

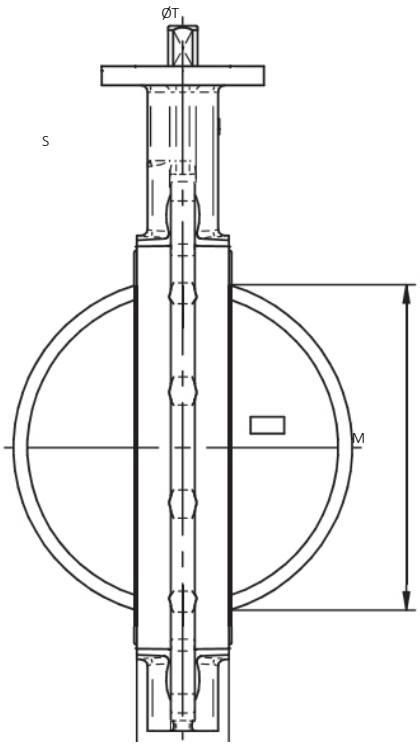
Bare shaft

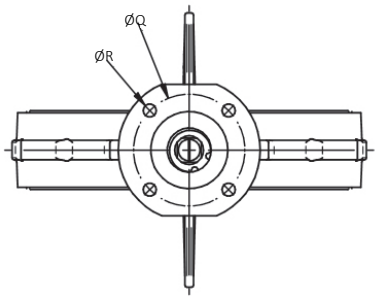
DN 50/500



DN 600/1200







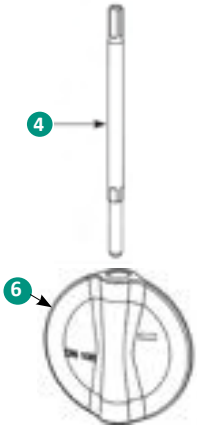
* E1- Short shaft on request

FIVC Butterfly Valve

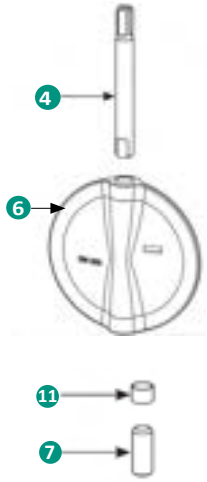
Ductile Iron – PN 16 – Wafer – Actuator – Replaceable – Pinless – EN 1092-2

Product Specification

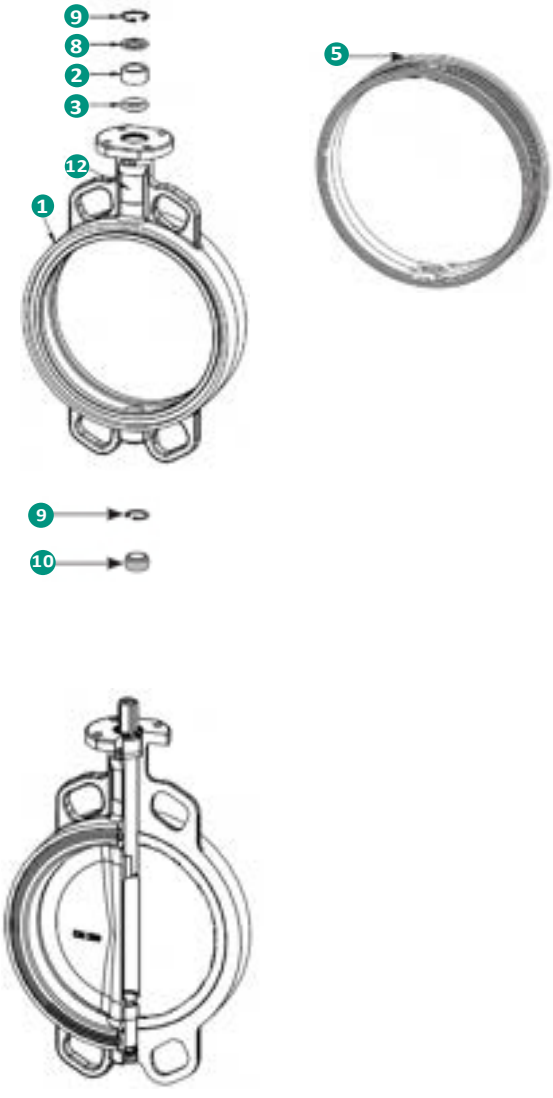
DN 50-100



DN 125-200



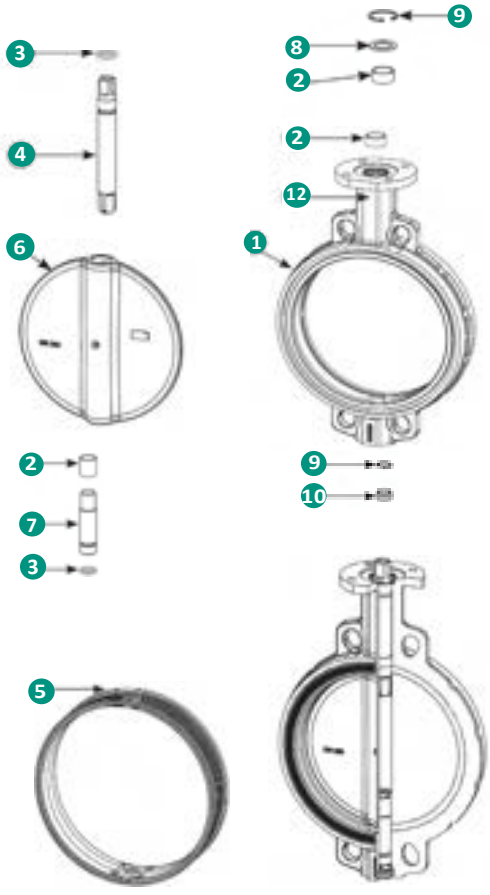
DN 50-200



DN 50-500

N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	DN 50-200: Acetal Delrin DN 250-400: Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Alu-Bronze CC480/CC333G
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel
10	Lower plug	EPDM
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester

DN 250-500

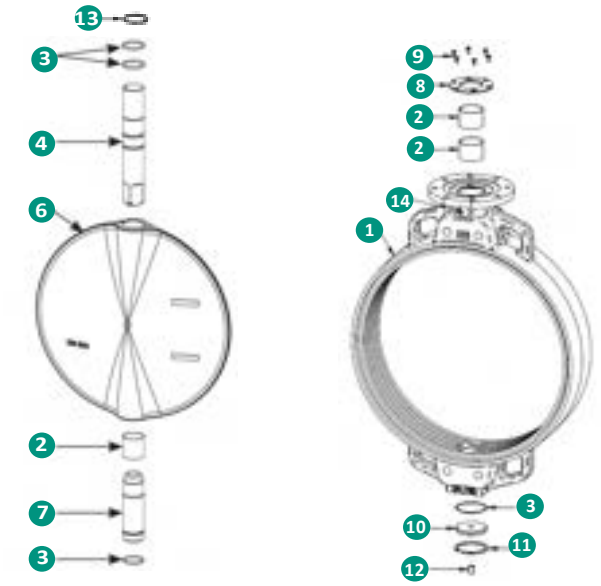


FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Actuator – Replaceable – Pinless – EN 1092-2

Product Specification

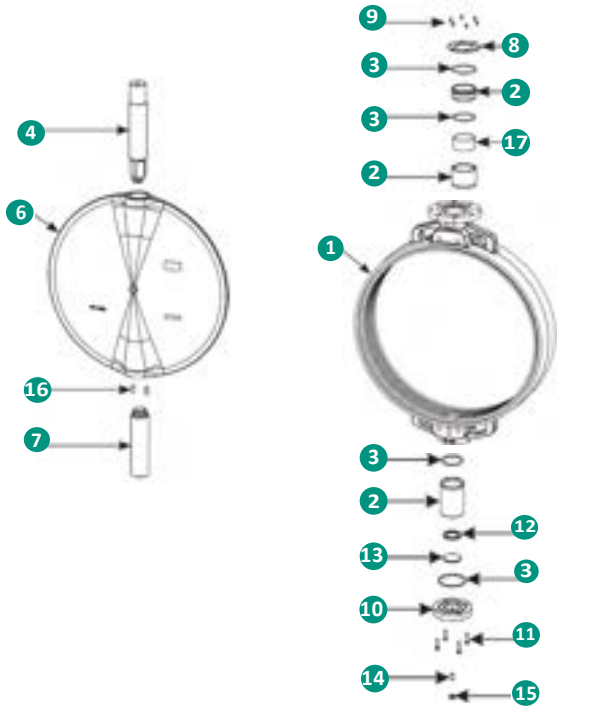
DN 600-1100



DN 600-1200



DN 1200



DN 600-1100

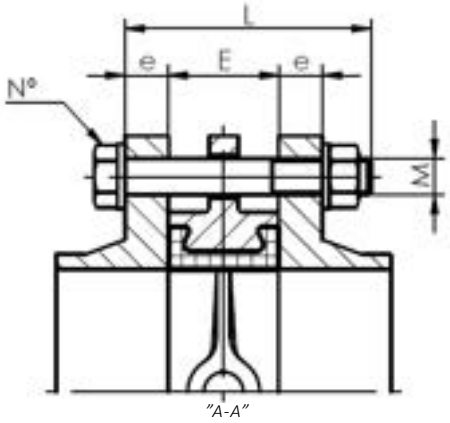
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Alu-Bronze CC480/CC333G
7	Lower shaft	Stainless Steel AISI 420
8	Upper cover	Carbon Steel Coating Epoxy
9	Bolt upper cover	Zinc-plated Steel DN 7991
10	Lower cover	Carbon Steel Coating Epoxy
11	Seeger Ring	Zinc-plated Steel DIN 472
12	Screw	Zinc-plated Steel DIN 913
13	Retaining Ring Shaft	Zinc-plated Steel DIN 471 DN600/800
14	Features Tag	Polyester

DN 1200

N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	Bronze/Brass
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Alu-Bronze CC480/CC333G
7	Lower shaft	Stainless Steel AISI 420
8	Upper cover	Carbon Steel Coating Epoxy
9	Bolt upper cover	Zinc-plated Steel DIN 7991
10	Lower cover	Carbon Steel Coating Epoxy
11	Bolt lower cover	Zinc-plated Steel DIN 931
12	Lover ring	Bronze/Brass
13	Friction Disc	Zinc-plated Steel
14	Screw	Zinc-plated Steel DIN 913
15	Nut	Zinc-plated Steel DIN 934
16	Keyway	Stainless Steel AISI 420
17	Bushing	Steel Bronze PTFE

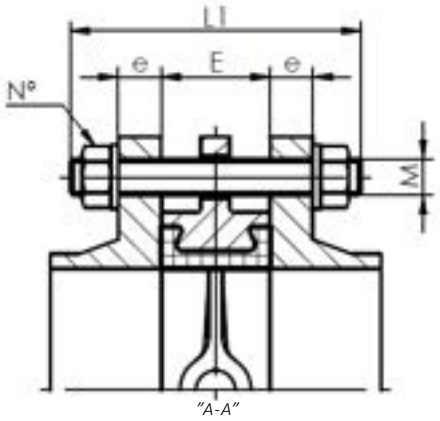
Assembling screwing

Screw



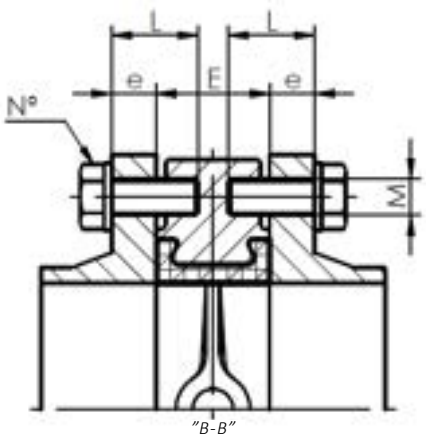
"A-A"

Link



"A-A"

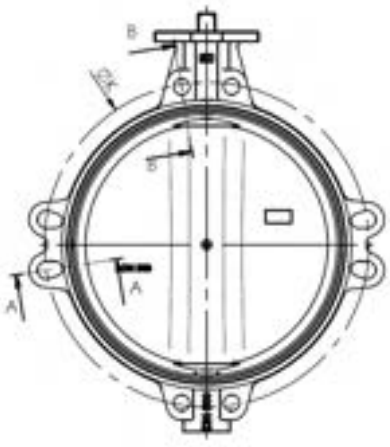
Screw Only



"B-B"

Product code	Size	ØK	E	e	M	L	L1	N°
WAFN40050MSEENR1601	50	125	43	18	M16	100	120	4
WAFN40065MSEENR1601	65	145	46	18	M16	100	120	4
WAFN40080MSEENR1601	80	160	46	20	M16	110	130	8
WAFN40100MSEENR1601	100	180	52	20	M16	110	130	8
WAFN40125MSEENR1601	125	210	56	22	M16	120	140	8
WAFN40150MSEENR1601	150	240	56	22	M20	130	150	8
WAFN40200MSEENR1601	200	295	60	24	M20	130	160	12
WAFN40250MSEENR1601	250	355	68	26	M24	150	170	12
WAFN40300MSEENR1601	300	410	78	28	M24	160	180	12
WAFN40350MSEENR1601	350	470	78	30	M24	170	190	16
WAFN40400MSEENR1601	400	525	102	32	M27	200	220	16
WAFN40450MSEENR1601	450	585	114	32	M27	210/60	240	16/8
WAFN40500MSEENR1601	500	650	127	34	M30	230	260	20
WAFN40600MSEENR1601	600	770	154	36	M33	260	290	20
WAFN40700MSEENR1601	700	840	165	36	M33	270/85	300	20/8
WAFN40750MSEENR1601	750	900	190	38	M33	300/100	340	20/8
WAFN40800MSEENR1601	800	950	190	38	M36	310/80	345	20/8
WAFN40900MSEENR1601	900	1050	203	40	M36	330/100	375	24/8
WAFN41000MSEENR1601	1000	1170	216	42	M39	345/100	390	24/8
WAFN41100MSEENR1601	1100	1270	216	48	M39	360/110	400	28/8
WAFN41200MSEENR1601	1200	1390	254	48	M45	395/115	445	28/8

DN 450	PN. 10-PN.16
DN 500	ANSI 150
DN 700/1200	PN. 10-PN.16-ANSI 150



FIVC Butterfly Valve

Ductile Iron – PN 16 – Wafer – Actuator – Replaceable – Pinless – EN 1092-2



WAF series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Alu-Bronze
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Electrical actuator in Polyamide
- Coating: Epoxy
- Standard: BS EN 593 top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face EN 558-1 *(series 20)*
  DIN 3202 T3 K1 ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Wafer
- Tests: Hydraulic test 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water distribution
- HVAC
- Shipbuilding

Description

FIVC Wafer Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes.
With its high quality rotational disc, the valve features quick shut-off function.
Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance.
Furthermore, the valve can by its high quality JJ actuator be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been manufactured and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Ductile Iron
- Stainless Steel

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

Operation
- 15° notch hand-lever
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

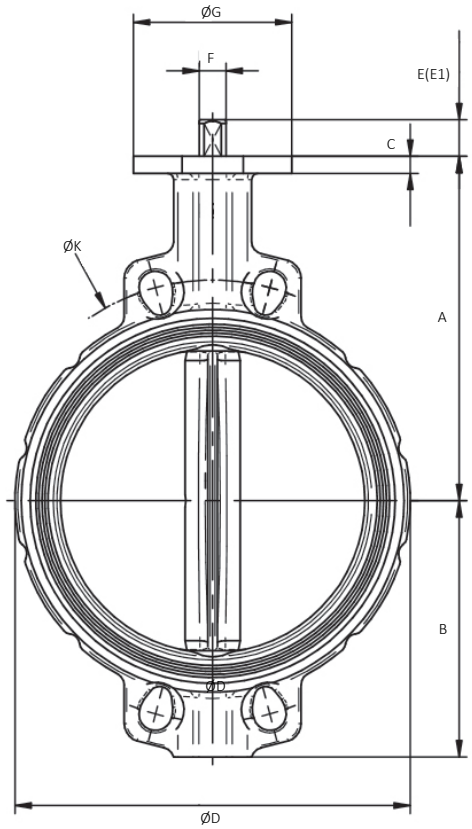
Product Information

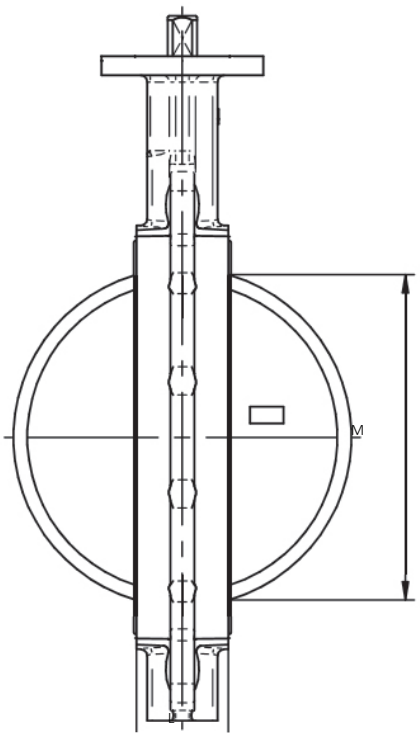
Product code	Size	General dimensions of bareshaft														
		A	B	L	D	E	E1	F	G	K	C	M	Kg	ISO	Q	R
WAFN40050MSEENR1601	50	120	61	43	100	30	16	11	90	125	10	29	2.4	F-07	70	4x9
WAFN40065MSEENR1601	65	135	69	46	108	30	16	11	90	145	10	46	2.7	F-07	70	4x9
WAFN40080MSEENR1601	80	141	94	46	124	30	16	11	90	160	10	65	3.2	F-07	70	4x9
WAFN40100MSEENR1601	100	165	106	52	147	30	16	11	90	180	10	90	4.0	F-07	70	4x9
WAFN40125MSEENR1601	125	180	126	56	180	33	18	14	90	210	12	112	6.2	F-07	70	4x9
WAFN40150MSEENR1601	150	193	133	56	206	33	18	14	90	240	12	139	7.3	F-07	70	4x9
WAFN40200MSEENR1601	200	225	170	60	257	33	18	17	90	295	12	191	11	F-07	70	4x9
WAFN40250MSEENR1001	250	283	210	68	324	30	23	22	130	355	14	241	20	F-10	102	4x12

Dimensions

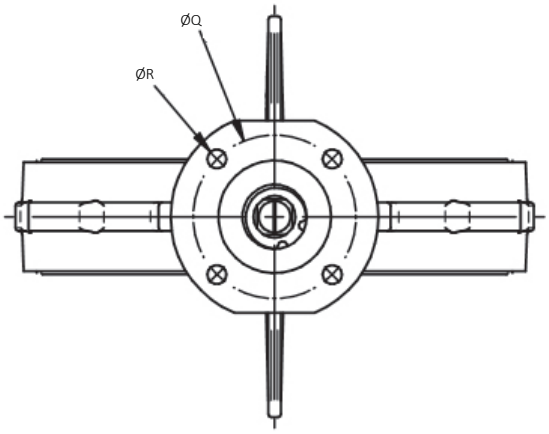
Bare shaft

DN 50/250





E1- Short shaft on request

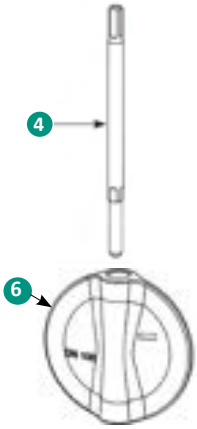


FIVC Butterfly Valve

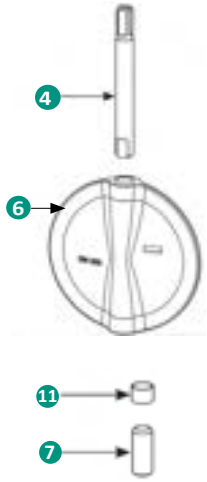
Ductile Iron – PN 16 – Wafer – Actuator – Replaceable – Pinless – EN 1092-2

Product Specification

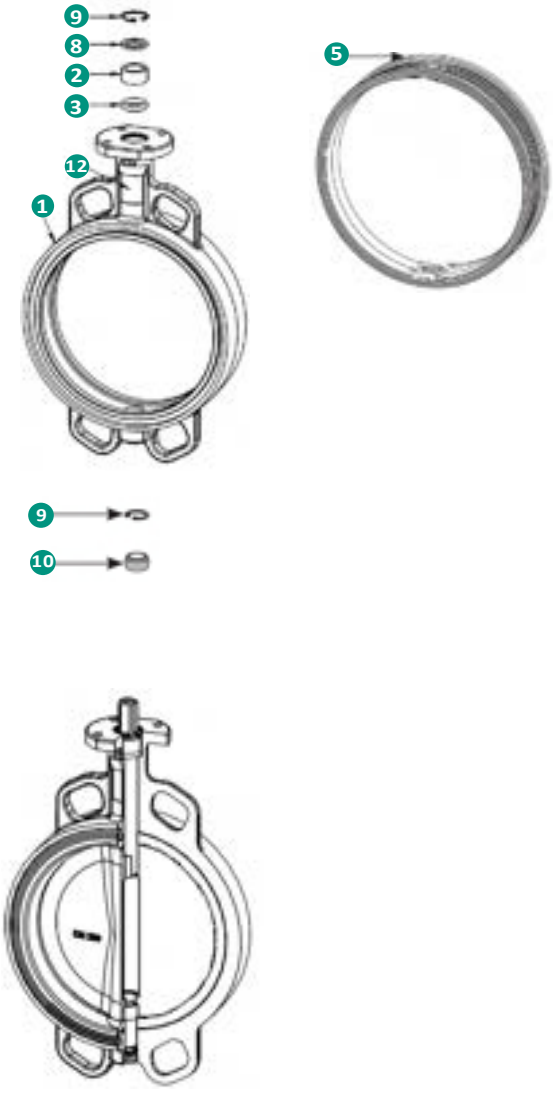
DN 50-100



DN 125-200



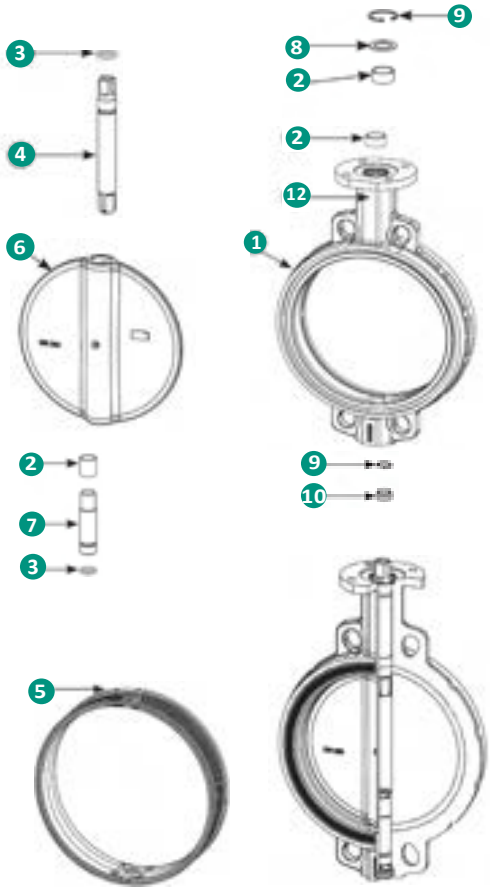
DN 50-200



DN 50-250

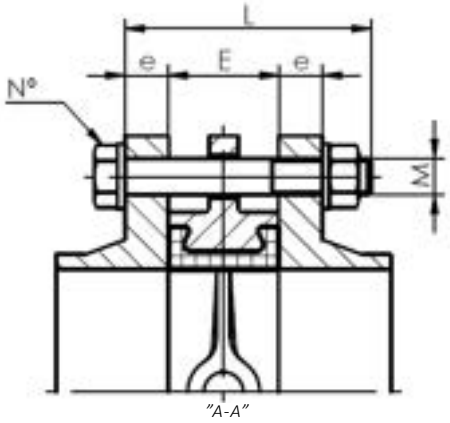
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 Coating Epoxy
2	Bushing	DN 50-200: Acetal Delrin DN 250-400: Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Alu-Bronze CC480/CC333G
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel
10	Lower plug	EPDM
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester

DN 250

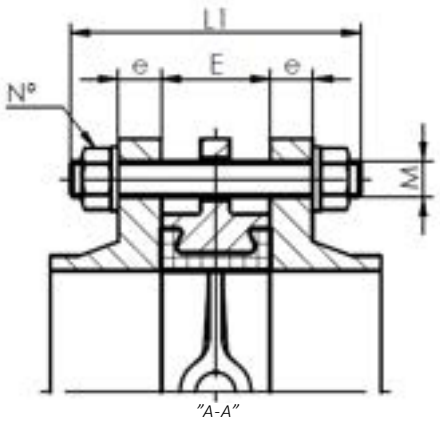


Assembling screwing

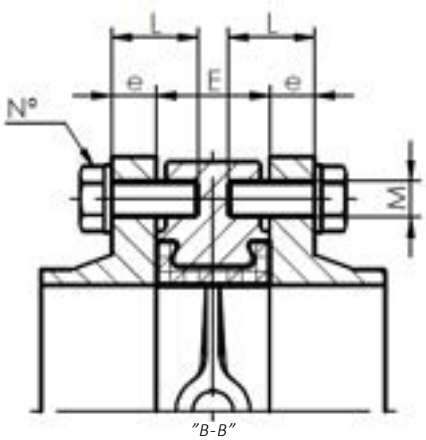
Screw



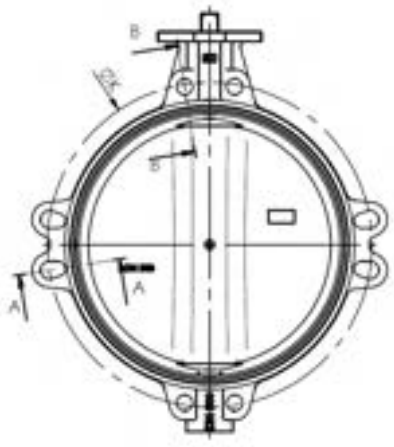
Link



Screw Only



Product code	Size	ØK	E	e	M	L	L1	N°
WAFN40050MSEENR1601	50	125	43	18	M16	100	120	4
WAFN40065MSEENR1601	65	145	46	18	M16	100	120	4
WAFN40080MSEENR1601	80	160	46	20	M16	110	130	8
WAFN40100MSEENR1601	100	180	52	20	M16	110	130	8
WAFN40125MSEENR1601	125	210	56	22	M16	120	140	8
WAFN40150MSEENR1601	150	240	56	22	M20	130	150	8
WAFN40200MSEENR1601	200	295	60	24	M20	130	160	12
WAFN40250MSEENR1001	250	355	68	26	M24	150	170	12



FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Actuator – Replaceable – Pinless – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile Iron
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Electrical actuator in Aluminium
- Coating: Epoxy
- USP: Maintenance and installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face acc. to EN 558-1 *(series 20)*
  DIN 3202 T3 K1 - ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Metric
- Tests: Hydraulic test acc. to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC
- General services
- Irrigation
- Shipbuilding

Description

FIVC Lugged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes.
With its high quality rotational disc, the valve features quick shut-off function.
Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance.
Furthermore, the valve can by its high quality Bernard Controls actuator be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Stainles Steel
- Alu-Bronze

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

Operation
- 15° notch hand-lever
- Gearbox
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

Dimensions

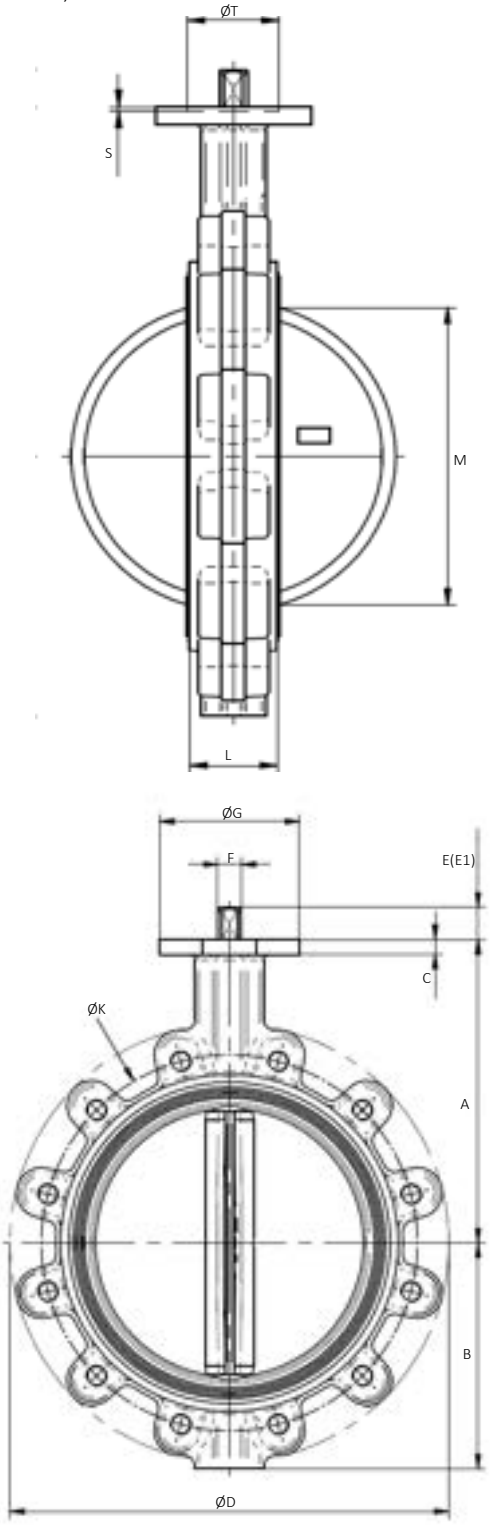
Product code	Size	General dimensions of bare shaft																	
		A	B	C	D	E	F	G	K	M	L	Kg	ISO	E1	Q	R	S	T	Keyway axb
LUGN30050MSEENR1603	50	120	59	10	156	30	11	90	125	29	43	2.9	F-07	16	70	4x9	-	-	-
LUGN30065MSEENR1603	65	135	66	10	175	30	11	90	145	46	46	3.3	F-07	16	70	4x9	-	-	-
LUGN30080MSEENR1603	80	141	91	10	194	30	11	90	160	65	46	4.8	F-07	16	70	4x9	-	-	-
LUGN30100MSEENR1603	100	165	105	10	224	30	11	90	180	90	52	6.3	F-07	16	70	4x9	-	-	-
LUGN30125MSEENR1603	125	180	125	12	267	33	14	90	210	112	56	9.8	F-07	18	70	4x9	-	-	-
LUGN30150MSEENR1603	150	193	136	12	292	33	14	90	240	139	56	10.6	F-07	18	70	4x9	-	-	-
LUGN30200MSEENR1603	200	225	171	12	352	33	17	90	295	191	60	17.5	F-07	18	70	4x9	-	-	-
LUGN30250MSEENR1603	250	283	210	14	409	30	22	130	355	241	68	26.4	F-10	23	102	4x12	3	70	-
LUGN30300MSEENR1603	300	308	240	14	480	30	22	130	410	290	78	39.6	F-10	23	102	4x12	3	70	-
LUGN30350MSEENR1603	350	339	263	18	522	31	22	160	470	338	78	56.1	F-10		102	4x12	3	70	-
LUGN30400MSEENR1603	400	380	308	18	595	31	27	160	525	387	102	74.9	F-12		125	4x14	4	85	-
LUGN30450MSEENR1603	450	381	340	20	633	38	36	190	585	434	114	103	F-14		140	4x18	4	100	-
LUGN30500MSEENR1603	500	433	380	20	717	38	36	210	650	478	127	158	F-14		140	4x18	4	100	-
LUGN30600MSEENR1603	600	494	440	24	833	80	60	210	770	570	154	220	F-16	-	165	4x22	5	130	18x11
LUGN30700MSEENR1603	700	560	485	25	904	106	65	300	840	660	165	293	F-25	-	254	8x18	5	200	18x11
LUGN30750MSEENR1603	750	590	530	25	964	106	80	300	900	705	190	373	F-25	-	254	8x18	5	200	22x14
LUGN30800MSEENR1603	800	630	565	27	1020	106	80	300	950	763	190	432	F-25	-	254	8x18	5	200	22x14
LUGN30900MSEENR1603	900	695	610	32	1120	110	80	350	1050	866	203	539	F-25	-	254	8x18	5	200	22x14
LUGN31000MSEENR1603	1000	770	675	32	1246	110	80	350	1170	966	216	690	F-25	-	254	8x18	5	200	22x14

Dimensions are in millimeters

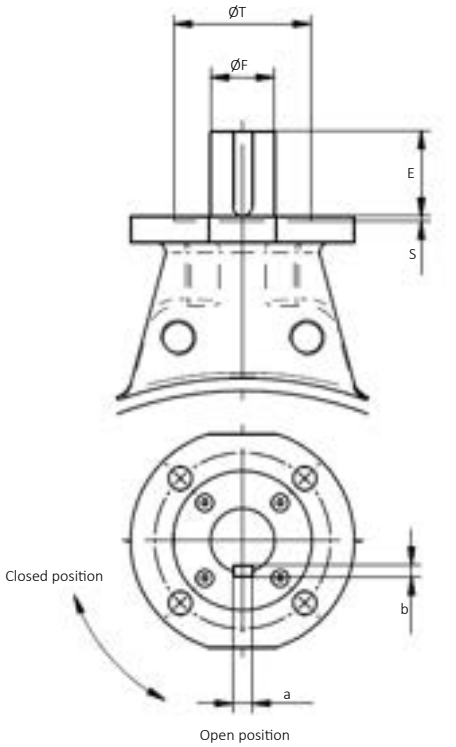
Dimensions

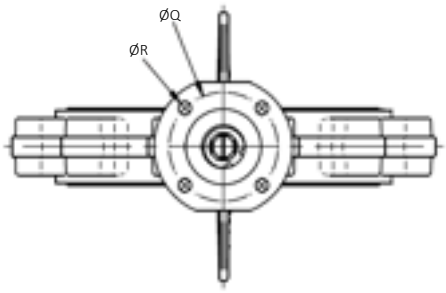
Bare shaft

DN 50/500



DN 600/1000





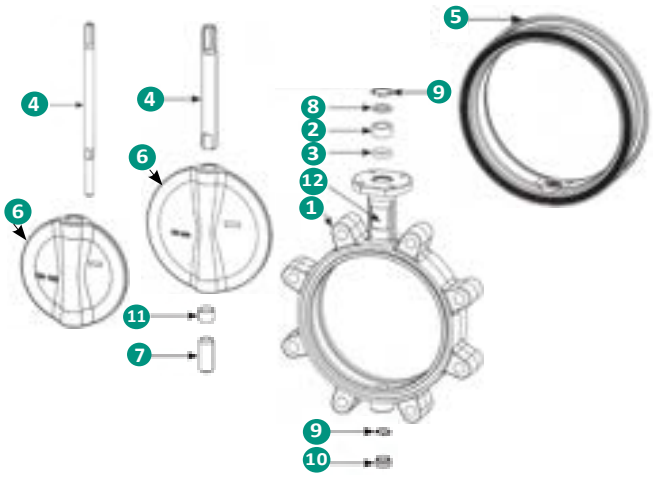
* E1- Short shaft on request

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Actuator – Replaceable – Pinless – EN 1092-2

Product Specification

DN 50-100 *DN 125-200*

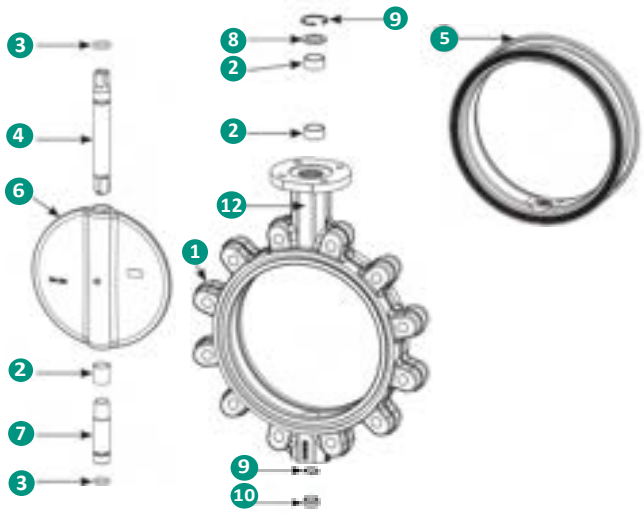


DN 50-200

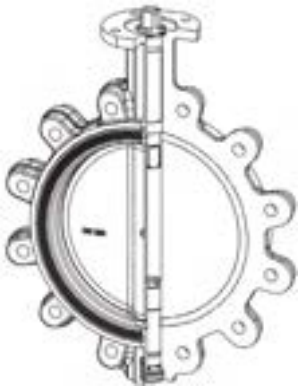


N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 + Epoxy
2	Bushing	Acetal Delrin DN 40/200 Steel Bronze PTFE DN 250/500
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Ductile Iron EN-GJS-400-15 + Epoxy
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger Ring Body	Zinc-plated Steel DIN 472 DN 50-200 Zinc-plated Steel DIN 472 DN 250-500
10	Lower plug	EPDM DN 125/200 EPDM DN 250/500
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester

DN 250-500



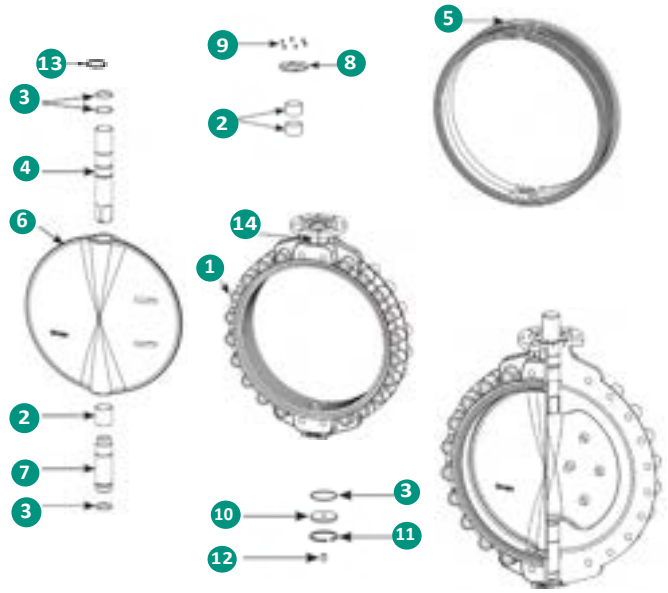
DN 400



FIVC Butterfly Valve

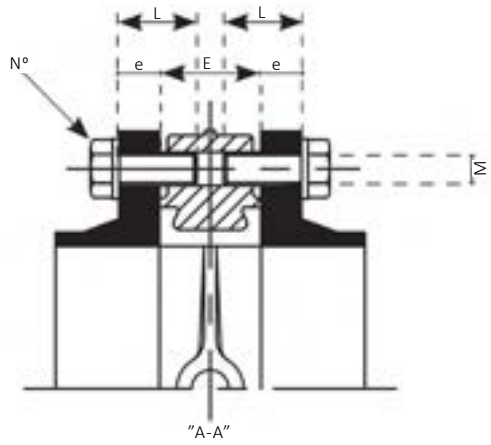
Ductile Iron – PN 16 – Lugged – Actuator – Replaceable – Pinless – EN 1092-2

DN 600/1000



N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 + Epoxy
2	Bushing	Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Ductile Iron EN-GJS-400-15 + Epoxy
7	Lower shaft	Stainless Steel AISI 420
8	Upper Cover	Carbon Steel, Coating Epoxy
9	Bolt upper cover	Zinc-plated Steel DIN 7991
10	Lower Cover	Carbon Steel Coating Epoxy
11	Seeger Ring Body	Zinc-plated Steel DIN 472
12	Screw	Zinc-plated Steel DIN 913 DN 750/1000
13	Retaining Ring Shaft	Zinc-plated Steel DIN 471 DN 600/800
14	Features Tag	Polyester

Product Dimensions





Product code	Size	E	K	e	M	L	N°
LUGN30050MSEENR1603	50	43	125	18	M16	35	8
LUGN30065MSEENR1603	65	46	145	18	M16	40	8
LUGN30080MSEENR1603	80	46	160	20	M16	40	16
LUGN30100MSEENR1603	100	52	180	20	M16	45	16
LUGN30125MSEENR1603	125	56	210	22	M16	50	16
LUGN30150MSEENR1603	150	56	240	22	M20	50	16
LUGN30200MSEENR1603	200	60	295	24	M20	50	24
LUGN30250MSEENR1603	250	68	355	26	M24	60	24
LUGN30300MSEENR1603	300	78	410	28	M24	65	24
LUGN30350MSEENR1603	350	78	470	30	M24	65	32
LUGN30400MSEENR1603	400	102	525	32	M27	65	32
LUGN30450MSEENR1603	450	114	585	32	M27	80/60	32/8
LUGN30500MSEENR1603	500	127	650	34	M30	65	40
LUGN30600MSEENR1603	600	154	770	36	M33	110	40
LUGN30700MSEENR1603	700	165	840	36	M33	120/85	40/8
LUGN30750MSEENR1603	750	190	900	38	M33	130/100	40/8
LUGN30800MSEENR1603	800	190	950	38	M36	130/110	40/8
LUGN30900MSEENR1603	900	203	1050	40	M36	140/100	48/8
LUGN31000MSEENR1603	1000	216	1170	42	M39	150/100	48/8

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Actuator – Replaceable – Pinless – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile Iron
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Electrical actuator in Polyamide
- Coating: Epoxy
- USP: Maintenance and installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face acc. to EN 558-1 *(series 20)*
  DIN 3202 T3 K1 - ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Metric
- Tests: Hydraulic test acc. to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC
- General services
- Irrigation
- Shipbuilding

Description

FIVC Lugged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes.
With its high quality rotational disc, the valve features quick shut-off function.
Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance.
Furthermore, the valve can by its high quality JJ actuator be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Stainles Steel
- Alu-Bronze

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

Operation
- 15° notch hand-lever
- Gearbox
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

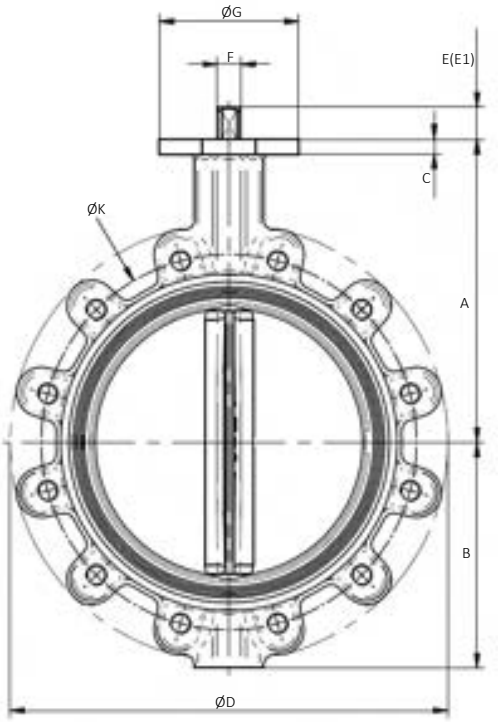
Dimensions

Product code	Size	General dimensions of bare shaft																	
		A	B	C	D	E	F	G	K	M	L	Kg	ISO	E1	Q	R	S	T	Keyway axb
LUGN30050MSEENR1603	50	120	59	10	156	30	11	90	125	29	43	2.9	F-07	16	70	4x9	-	-	-
LUGN30065MSEENR1603	65	135	66	10	175	30	11	90	145	46	46	3.3	F-07	16	70	4x9	-	-	-
LUGN30080MSEENR1603	80	141	91	10	194	30	11	90	160	65	46	4.8	F-07	16	70	4x9	-	-	-
LUGN30100MSEENR1603	100	165	105	10	224	30	11	90	180	90	52	6.3	F-07	16	70	4x9	-	-	-
LUGN30125MSEENR1603	125	180	125	12	267	33	14	90	210	112	56	9.8	F-07	18	70	4x9	-	-	-
LUGN30150MSEENR1603	150	193	136	12	292	33	14	90	240	139	56	10.6	F-07	18	70	4x9	-	-	-
LUGN30200MSEENR1603	200	225	171	12	352	33	17	90	295	191	60	17.5	F-07	18	70	4x9	-	-	-
LUGN30250MSEENR1003	250	283	210	14	409	30	22	130	355	241	68	26.4	F-10	23	102	4x12	3	70	-

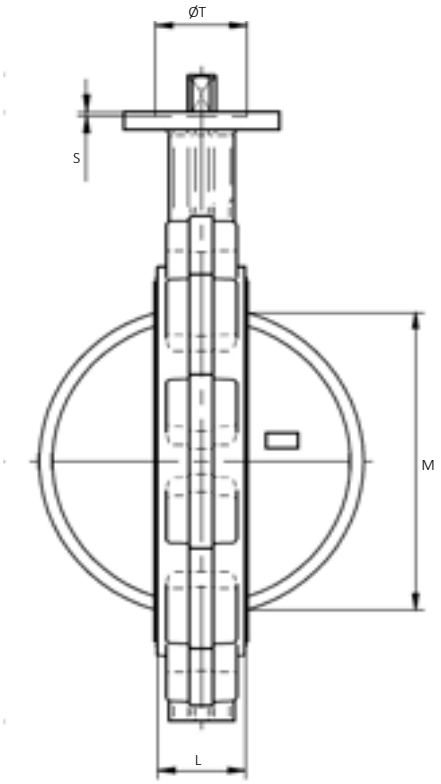
Dimensions are in millimeters

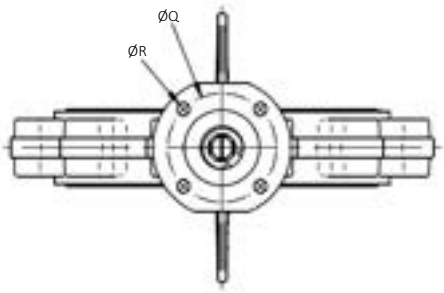
Dimensions

Bare shaft



E1- Short shaft on request



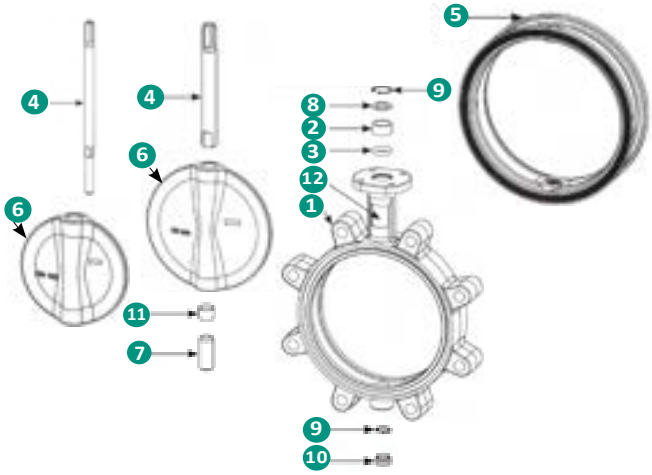


FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Actuator – Replaceable – Pinless – EN 1092-2

Product Specification

DN 50-100 *DN 125-200*

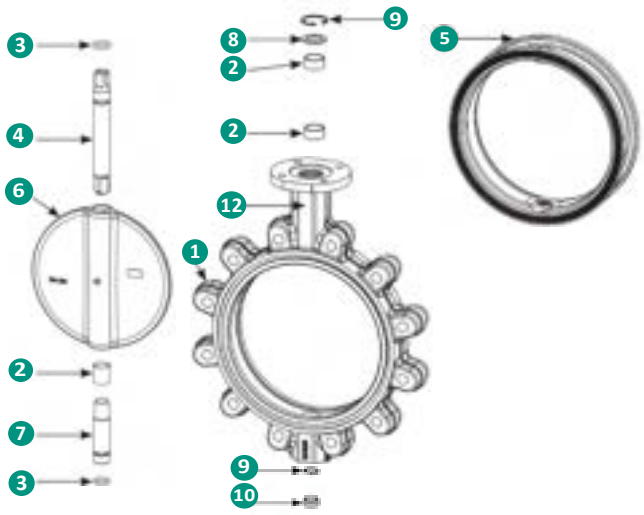


DN 50-200

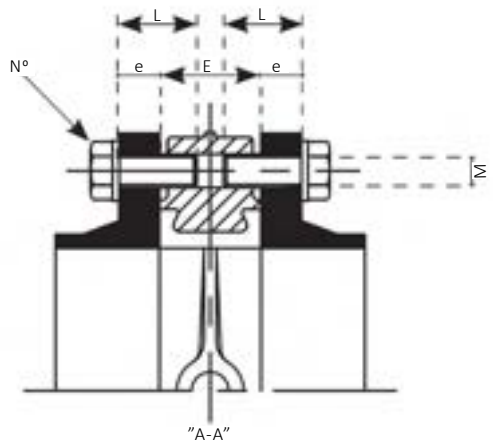


N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 + Epoxy
2	Bushing	Acetal Delrin DN 40/200 Steel Bronze PTFE DN 250
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Ductile Iron EN-GJS-400-15 + Epoxy
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger Ring Body	Zinc-plated Steel DIN 472 DN 50-200 Zinc-plated Steel DIN 472 DN 250
10	Lower plug	EPDM DN 125/200 EPDM DN 250
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester

DN 250



Product Dimensions





Product code	Size	E	K	e	M	L	N°
LUGN30050MSEENR1603	50	43	125	18	M16	35	8
LUGN30065MSEENR1603	65	46	145	18	M16	40	8
LUGN30080MSEENR1603	80	46	160	20	M16	40	16
LUGN30100MSEENR1603	100	52	180	20	M16	45	16
LUGN30125MSEENR1603	125	56	210	22	M16	50	16
LUGN30150MSEENR1603	150	56	240	22	M20	50	16
LUGN30200MSEENR1603	200	60	295	24	M20	50	24
LUGN30250MSEENR1003	250	68	355	26	M24	60	24

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Actuator – Replaceable – Pinless – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Electrical actuator in Aluminium
- Coating: Epoxy
- USP: Maintenance and installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face acc. to EN 558-1 *(series 20)*
  DIN 3202 T3 K1 - ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Metric
- Tests: Hydraulic test acc. to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC
- General services
- Irrigation
- Shipbuilding

Description

FIVC Lugged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes.
With its high quality rotational disc, the valve features quick shut-off function.
Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance.
Furthermore, the valve can by its high quality Bernard Controls actuator be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Ductile Iron
- Alu-Bronze

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

Operation
- 15° notch hand-lever
- Gearbox
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

Dimensions

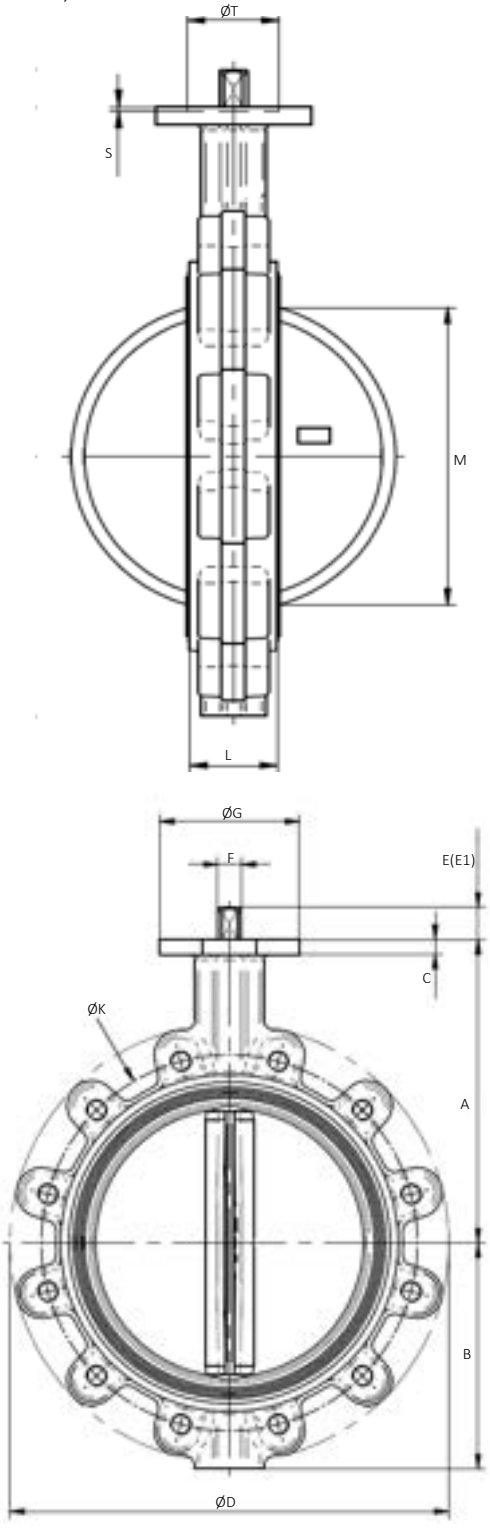
Product code	Size	General dimensions of bare shaft																	
		A	B	C	D	E	F	G	K	M	L	Kg	ISO	E1	Q	R	S	T	Keyway axb
LUGN50050MSEENR1603	50	120	59	10	156	30	11	90	125	29	43	2.9	F-07	16	70	4x9	-	-	-
LUGN50065MSEENR1603	65	135	66	10	175	30	11	90	145	46	46	3.3	F-07	16	70	4x9	-	-	-
LUGN50080MSEENR1603	80	141	91	10	194	30	11	90	160	65	46	4.8	F-07	16	70	4x9	-	-	-
LUGN50100MSEENR1603	100	165	105	10	224	30	11	90	180	90	52	6.3	F-07	16	70	4x9	-	-	-
LUGN50125MSEENR1603	125	180	125	12	267	33	14	90	210	112	56	9.8	F-07	18	70	4x9	-	-	-
LUGN50150MSEENR1603	150	193	136	12	292	33	14	90	240	139	56	10.6	F-07	18	70	4x9	-	-	-
LUGN50200MSEENR1603	200	225	171	12	352	33	17	90	295	191	60	17.5	F-07	18	70	4x9	-	-	-
LUGN50250MSEENR1603	250	283	210	14	409	30	22	130	355	241	68	26.4	F-10	23	102	4x12	3	70	-
LUGN50300MSEENR1603	300	308	240	14	480	30	22	130	410	290	78	39.6	F-10	23	102	4x12	3	70	-
LUGN50350MSEENR1603	350	339	263	18	522	31	22	160	470	338	78	56.1	F-10		102	4x12	3	70	-
LUGN50400MSEENR1603	400	380	308	18	595	31	27	160	525	387	102	74.9	F-12		125	4x14	4	85	-
LUGN50450MSEENR1603	450	381	340	20	633	38	36	190	585	434	114	103	F-14		140	4x18	4	100	-
LUGN30500MSEENR1603	500	433	380	20	717	38	36	210	650	478	127	158	F-14		140	4x18	4	100	-
LUGN50600MSEENR1603	600	494	440	24	833	80	60	210	770	570	154	220	F-16	-	165	4x22	5	130	18x11
LUGN50700MSEENR1603	700	560	485	25	904	106	65	300	840	660	165	293	F-25	-	254	8x18	5	200	18x11
LUGN50750MSEENR1603	750	590	530	25	964	106	80	300	900	705	190	373	F-25	-	254	8x18	5	200	22x14
LUGN50800MSEENR1603	800	630	565	27	1020	106	80	300	950	763	190	432	F-25	-	254	8x18	5	200	22x14
LUGN50900MSEENR1603	900	695	610	32	1120	110	80	350	1050	866	203	539	F-25	-	254	8x18	5	200	22x14
LUGN51000MSEENR1603	1000	770	675	32	1246	110	80	350	1170	966	216	690	F-25	-	254	8x18	5	200	22x14

Dimensions are in millimeters

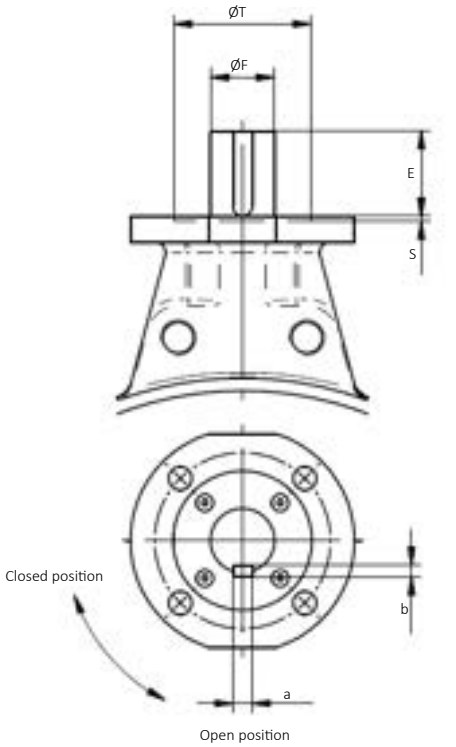
Dimensions

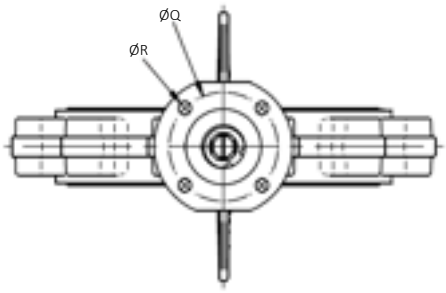
Bare shaft

DN 50/500



DN 600/1000





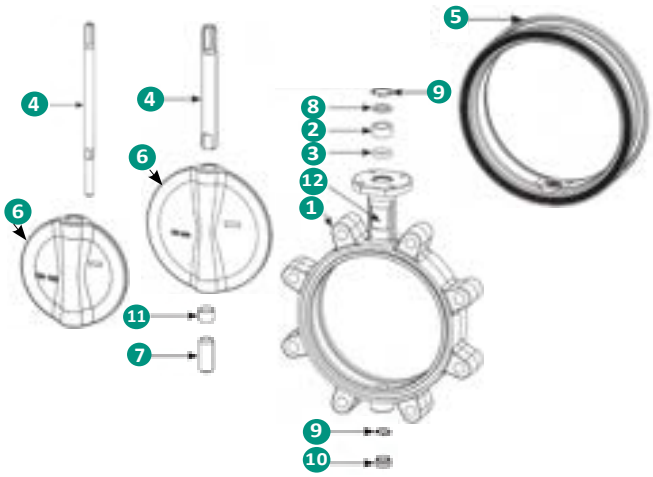
* E1- Short shaft on request

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Actuator – Replaceable – Pinless – EN 1092-2

Product Specification

DN 50-100 *DN 125-200*

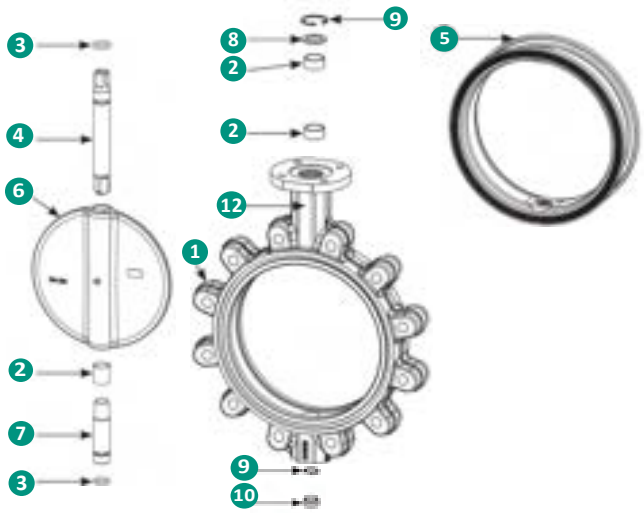


DN 50-200

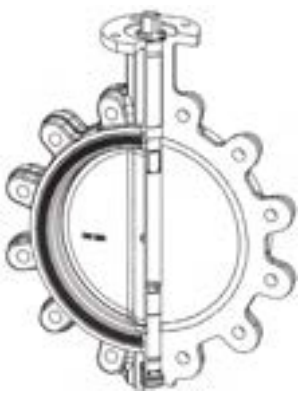


N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 + Epoxy
2	Bushing	Acetal Delrin DN 40/200 Steel Bronze PTFE DN 250/500
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Stainless Steel CF8M
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger Ring Body	Zinc-plated Steel DIN 472 DN 50-200 Zinc-plated Steel DIN 472 DN 250-500
10	Lower plug	EPDM DN 125/200 EPDM DN 250/500
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester

DN 250-500



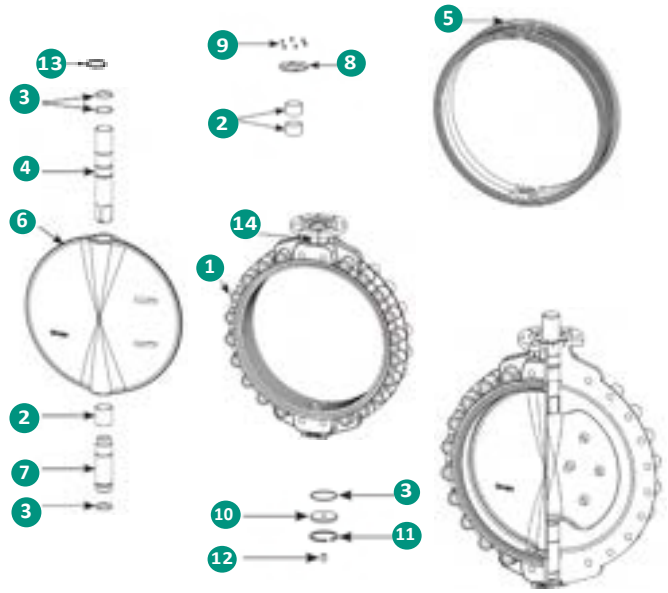
DN 400



FIVC Butterfly Valve

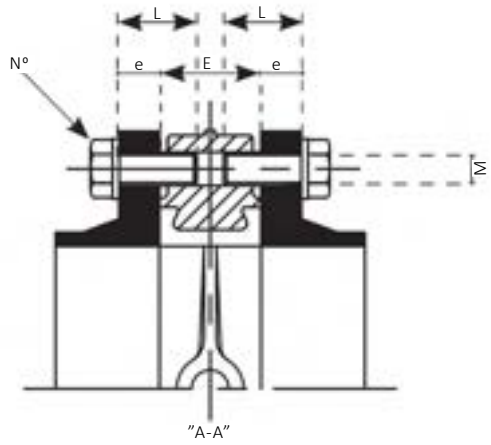
Ductile Iron – PN 16 – Lugged – Actuator – Replaceable – Pinless – EN 1092-2

DN 600/1000



N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 + Epoxy
2	Bushing	Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Stainless Steel CF8M
7	Lower shaft	Stainless Steel AISI 420
8	Upper Cover	Carbon Steel, Coating Epoxy
9	Bolt upper cover	Zinc-plated Steel DIN 7991
10	Lower Cover	Carbon Steel Coating Epoxy
11	Seeger Ring Body	Zinc-plated Steel DIN 472
12	Screw	Zinc-plated Steel DIN 913 DN 750/1000
13	Retaining Ring Shaft	Zinc-plated Steel DIN 471 DN 600/800
14	Features Tag	Polyester

Product Dimensions





Product code	Size	E	K	e	M	L	N°
LUGN50050MSEENR1603	50	43	125	18	M16	35	8
LUGN50065MSEENR1603	65	46	145	18	M16	40	8
LUGN50080MSEENR1603	80	46	160	20	M16	40	16
LUGN50100MSEENR1603	100	52	180	20	M16	45	16
LUGN50125MSEENR1603	125	56	210	22	M16	50	16
LUGN50150MSEENR1603	150	56	240	22	M20	50	16
LUGN50200MSEENR1603	200	60	295	24	M20	50	24
LUGN50250MSEENR1603	250	68	355	26	M24	60	24
LUGN50300MSEENR1603	300	78	410	28	M24	65	24
LUGN50350MSEENR1603	350	78	470	30	M24	65	32
LUGN50400MSEENR1603	400	102	525	32	M27	65	32
LUGN50450MSEENR1603	450	114	585	32	M27	80/60	32/8
LUGN50500MSEENR1603	500	127	650	34	M30	65	40
LUGN50600MSEENR1603	600	154	770	36	M33	110	40
LUGN50700MSEENR1603	700	165	840	36	M33	120/85	40/8
LUGN50750MSEENR1603	750	190	900	38	M33	130/100	40/8
LUGN50800MSEENR1603	800	190	950	38	M36	130/110	40/8
LUGN50900MSEENR1603	900	203	1050	40	M36	140/100	48/8
LUGN51000MSEENR1603	1000	216	1170	42	M39	150/100	48/8

FIVC Butterfly Valve

Ductile Iron – PN 25 – Lugged – Actuator – Glued – Pinless – EN 1092-2



MSEE series

Technical data

Main features and materials

• Body:	Ductile Iron	
• Disc:	Stainless Steel	
• Stem:	Stainless Steel	
• Seat:	Glued EPDM	
• Operation:	Electrical actuator in Aluminium	
• Coating:	Epoxy RAL 5015 *(120 µ)*	
Dimensions:	Face-to-Face acc. to EN 558-1 *(series 20)*	
• Design:	EN 593	
• Type:	Drilling:	PN 25
	Shaft:	SS AISI 420/1.4542
	Thread:	Metric
• Hydrostatic test:	EN 12266-1	
Resistance	Open valve: 37.5 Kg/cm³	
	Closed valve: 27.5 kg/cm³	

Field of applications

• Temperature range:	-20 to 110 °C
• Max. working pressure:	25 bar

- HVAC
- Water distribution
- Fire fighting
- Shipbuilding
- Neutral fluids
- Gas distribution

Description

FIVC Motorized Lugged Butterfly Valve with its glued seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Since the valve is pinless, the disc is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can by its high quality actuator be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive Nº 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu Bronze
- Ductile Iron

Construction
- w/Pin

Seat
- Vulcanized
- Replaceable

Operation
- 15º notch hand lever
- Gearbox
- Other operations upon request

Drilling
- PN 16
- PN 20
- ANSI 150

PN
- PN 16 (w/pin)
- PN 20 (w/pin)

Size
- DN 40+

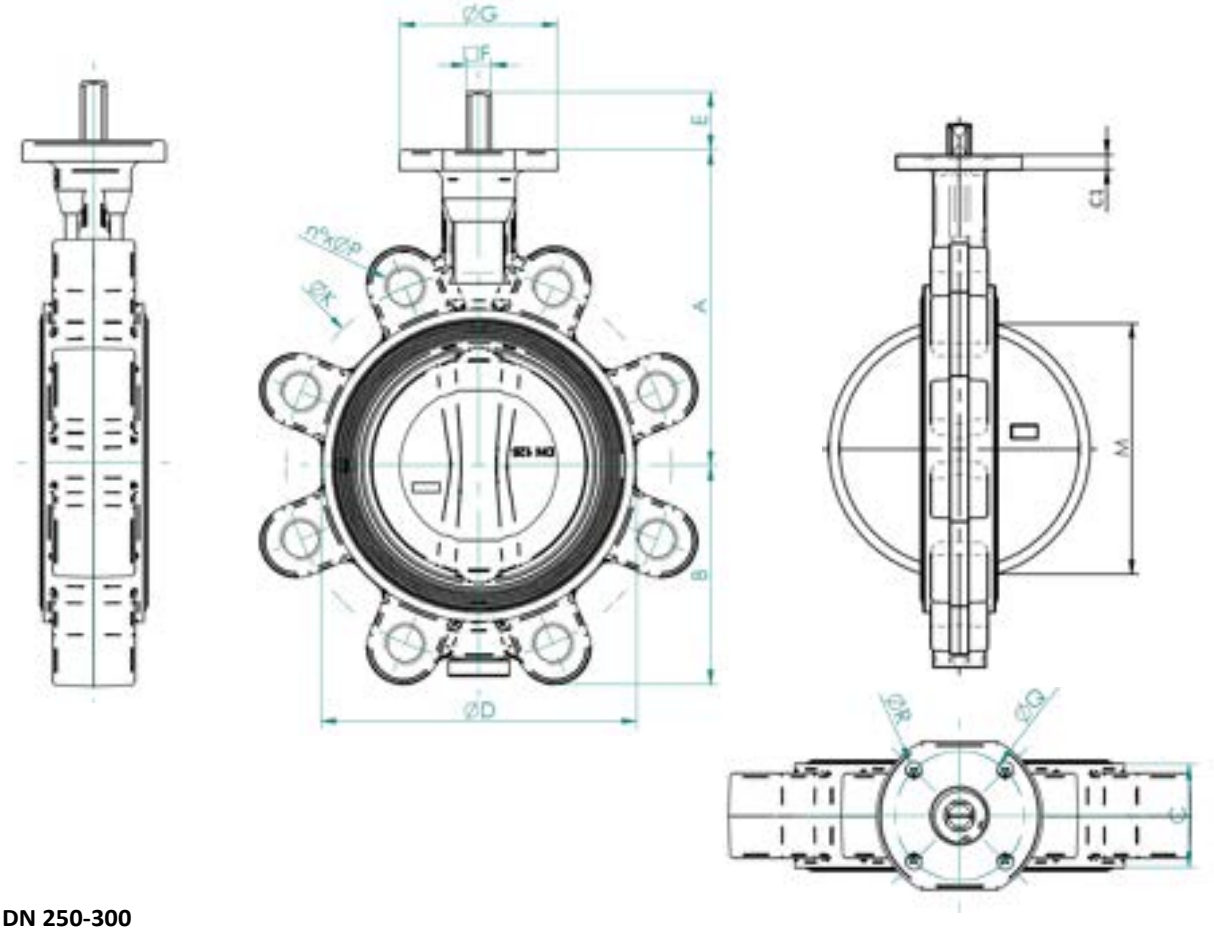
Dimensions of the bare shaft

Product code	Size	General dimensions of bareshaft															
		A	B	C	ØD	E	F	ØG	ØK	nºxØP	ISO	ØQ	ØR	S	ØT	C1	M
LUGN50050MSEENG2509	50	120	59	43	100	30	11	90	125	4xM16	F-07	70	4x9	-	-	10	29
LUGN50065MSEENG2509	65	135	66	46	108	30	11	90	145	4xM16	F-07	70	4x9	-	-	10	46
LUGN50080MSEENG2509	80	141	91	46	124	30	11	90	160	4xM16	F-07	70	4x9	-	-	10	65
LUGN50100MSEENG2509	100	165	105	52	147	30	11	90	190	8xM20	F-07	70	4x9	-	-	10	90
LUGN50125MSEENG2509	125	180	125	56	180	33	14	90	220	8xM24	F-07	70	4x9	-	-	12	112
LUGN50150MSEENG2509	150	193	136	56	206	33	14	90	250	8xM24	F-07	70	4x9	-	-	12	139
LUGN50200MSEENG2509	200	225	171	60	257	33	17	90	310	12xM24	F-07	70	4x9	-	-	12	191
LUGN110250MSEENG2509	250	282.5	210	68	324	30	22	130	370	12xM27	F-10	102	4x12	3	70	14	241
LUGN110300MSEENG2509	300	308	240	78	376	30	22	130	430	16xM27	F-10	102	4x12	3	70	14	290

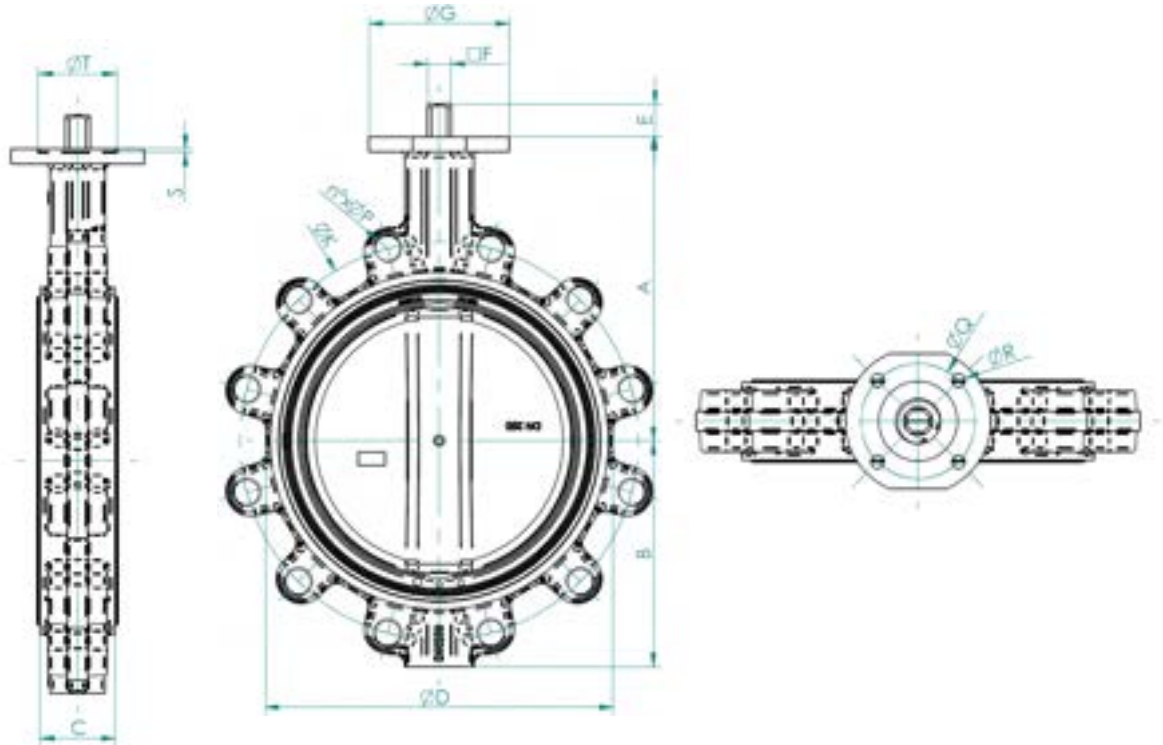
Dimensions are in millimeters

Dimensions of the bare shaft

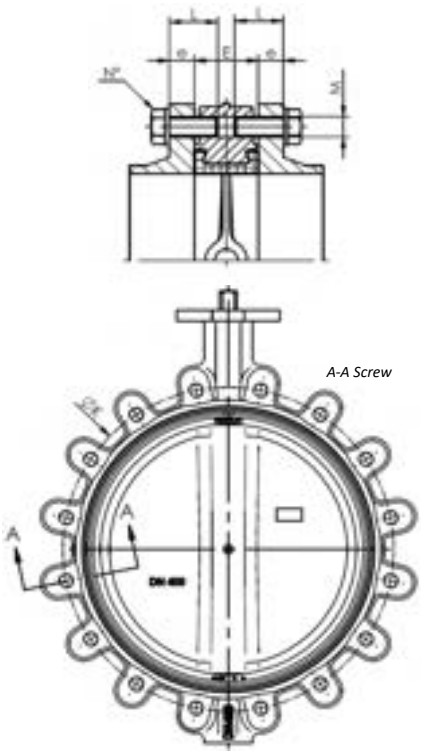
DN 50-200



DN 250-300



Screw assembly

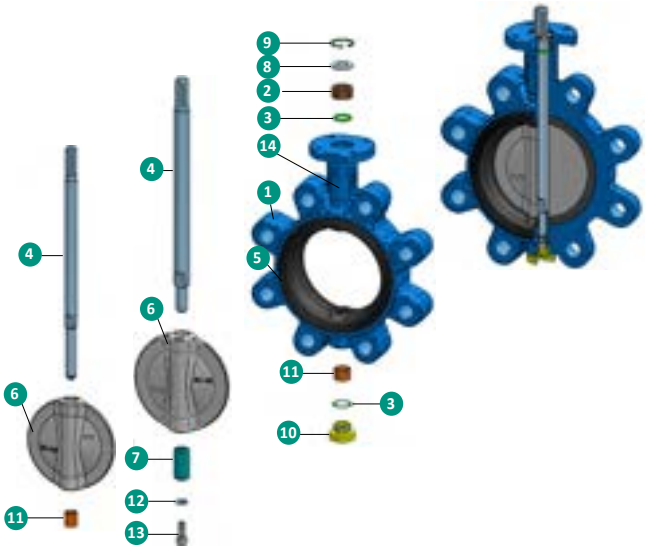


Product code	Size	E	K	e	M	L	N°
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LUGN50065MSEENG2509	65	46	145	18	M16	40	8
LUGN50080MSEENG2509	80	46	160	20	M16	40	16
LUGN50100MSEENG2509	100	52	180	20	M16	45	16
LUGN50125MSEENG2509	125	56	210	22	M16	50	16
LUGN50150MSEENG2509	150	56	240	22	M20	50	16
LUGN50200MSEENG2509	200	60	295	24	M20	50	24
LUGN110250MSEENG2509	250	68	355	26	M24	60	24
LUGN110300MSEENG2509	300	78	410	28	M24	65	24

Dimensions are in millimeters

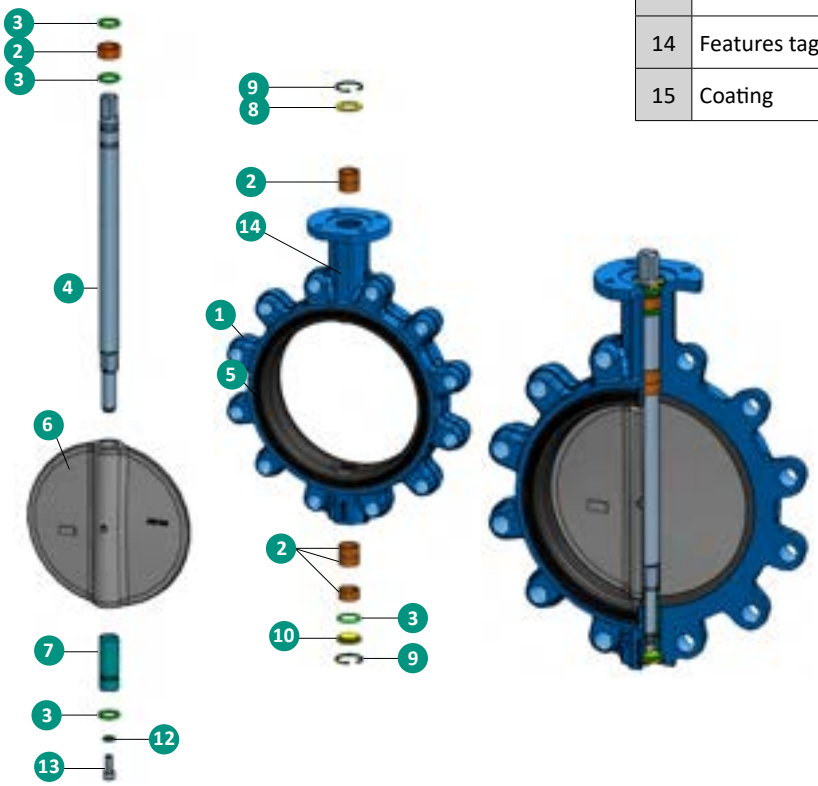
Product Specification

DN 50-100 **DN 125-200**



N°	Name	Material
1	Body	Ductile Iron GJS-400-15 EN 1563
2	Bushing	DN 50-200: Bronze-Brass DN 250-300: Steel-Bz-PTFE 6 Pcs.
3	O-Ring	Nitrile DN 50-100: 1 pcs. DN 125-200: 2 pcs. DN 250-300: 4 pcs.
4	Upper shaft	DN 50-100: Stainless Steel AISI 420 DN 125-300: Stainless Steel 1.4542
5	Seat	Glued EPDM
6	Disc	DN 50-200: Stainless Steel A 351 Gr. CF8M DN 250-300: Super Duplex 1.4469
7	Lower shaft	DN 125-300: Stainless Steel 1.4542
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel DIN 472 DN 50-200: 1 pcs. DN 250-300: 2 pcs.
10	Lower plug	DN 125-300: Stainless Steel AISI 420
11	Bushing	Stainless Steel-Bronze-PTFE
12	Spring lock washer	Stainless Steel AISI 304 DIN 127 DN 125-200: 2 pcs. DN 200-300: 1 pcs.
13	Screw	DN 125-300: Stainless Steel AISI 304 DIN 912
14	Features tag	Polyester
15	Coating	Epoxy RAL 5015 - 120 µ

DN 250-300



FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Actuator – Replaceable – Pinless – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Super Duplex
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Electrical actuator in Aluminium
- Coating: Epoxy
- USP: Maintenance and installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face acc. to EN 558-1 *(series 20)*
  DIN 3202 T3 K1 - ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Metric
- Tests: Hydraulic test acc. to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC
- General services
- Irrigation
- Shipbuilding

Description

FIVC Lugged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes.
With its high quality rotational disc, the valve features quick shut-off function.
Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance.
Furthermore, the valve can by its high quality Bernard Controls actuator be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Ductile Iron
- Alu-Bronze
- Stainless Steel

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

Operation
- 15° notch hand-lever
- Gearbox
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

Dimensions

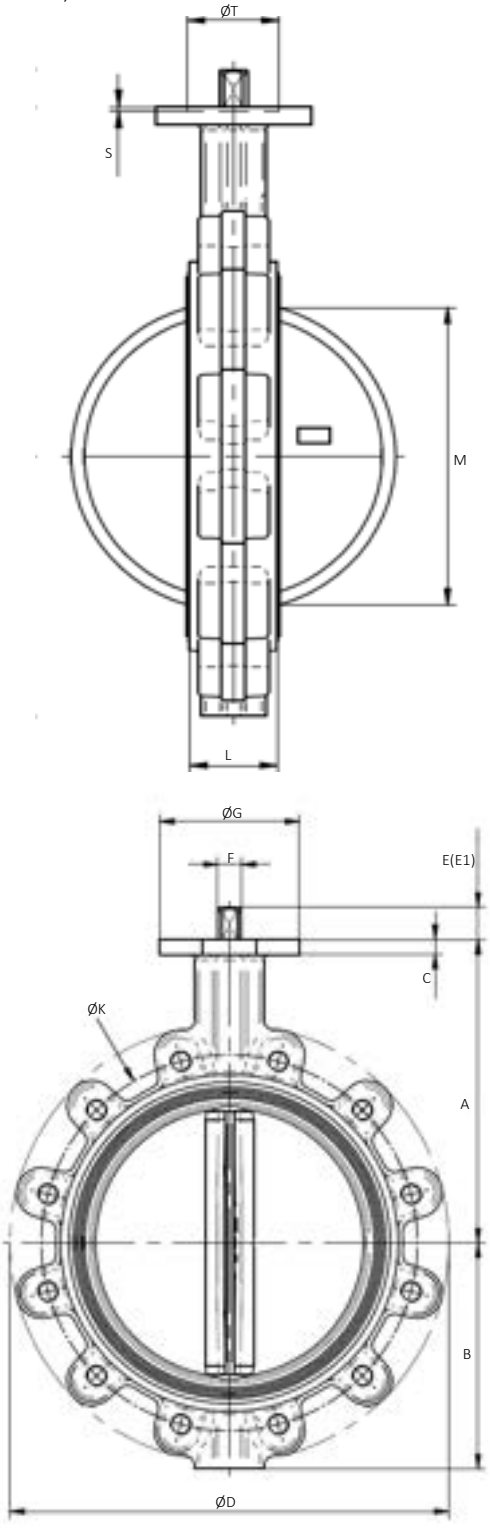
Product code	Size	General dimensions of bare shaft																	
		A	B	C	D	E	F	G	K	M	L	Kg	ISO	E1	Q	R	S	T	Keyway axb
LUGN110050MSEENR1603	50	120	59	10	156	30	11	90	125	29	43	2.9	F-07	16	70	4x9	-	-	-
LUGN110065MSEENR1603	65	135	66	10	175	30	11	90	145	46	46	3.3	F-07	16	70	4x9	-	-	-
LUGN110080MSEENR1603	80	141	91	10	194	30	11	90	160	65	46	4.8	F-07	16	70	4x9	-	-	-
LUGN110100MSEENR1603	100	165	105	10	224	30	11	90	180	90	52	6.3	F-07	16	70	4x9	-	-	-
LUGN110125MSEENR1603	125	180	125	12	267	33	14	90	210	112	56	9.8	F-07	18	70	4x9	-	-	-
LUGN110150MSEENR1603	150	193	136	12	292	33	14	90	240	139	56	10.6	F-07	18	70	4x9	-	-	-
LUGN110200MSEENR1603	200	225	171	12	352	33	17	90	295	191	60	17.5	F-07	18	70	4x9	-	-	-
LUGN110250MSEENR1603	250	283	210	14	409	30	22	130	355	241	68	26.4	F-10	23	102	4x12	3	70	-
LUGN110300MSEENR1603	300	308	240	14	480	30	22	130	410	290	78	39.6	F-10	23	102	4x12	3	70	-
LUGN110350MSEENR1603	350	339	263	18	522	31	22	160	470	338	78	56.1	F-10		102	4x12	3	70	-
LUGN110400MSEENR1603	400	380	308	18	595	31	27	160	525	387	102	74.9	F-12		125	4x14	4	85	-
LUGN110450MSEENR1603	450	381	340	20	633	38	36	190	585	434	114	103	F-14		140	4x18	4	100	-
LUGN110500MSEENR1603	500	433	380	20	717	38	36	210	650	478	127	158	F-14		140	4x18	4	100	-
LUGN110600MSEENR1603	600	494	440	24	833	80	60	210	770	570	154	220	F-16	-	165	4x22	5	130	18x11
LUGN110700MSEENR1603	700	560	485	25	904	106	65	300	840	660	165	293	F-25	-	254	8x18	5	200	18x11
LUGN110750MSEENR1603	750	590	530	25	964	106	80	300	900	705	190	373	F-25	-	254	8x18	5	200	22x14
LUGN110800MSEENR1603	800	630	565	27	1020	106	80	300	950	763	190	432	F-25	-	254	8x18	5	200	22x14
LUGN110900MSEENR1603	900	695	610	32	1120	110	80	350	1050	866	203	539	F-25	-	254	8x18	5	200	22x14
LUGN111000MSEENR1603	1000	770	675	32	1246	110	80	350	1170	966	216	690	F-25	-	254	8x18	5	200	22x14

Dimensions are in millimeters

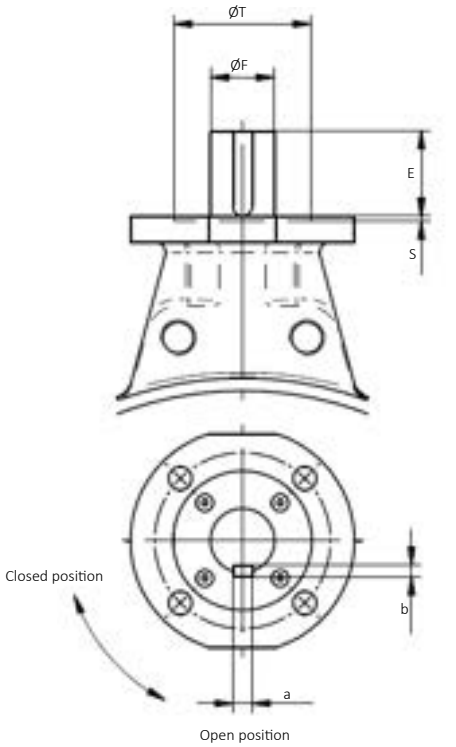
Dimensions

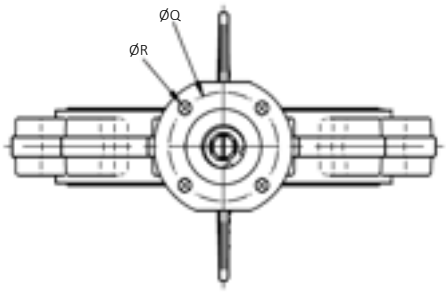
Bare shaft

DN 50/500



DN 600/1000





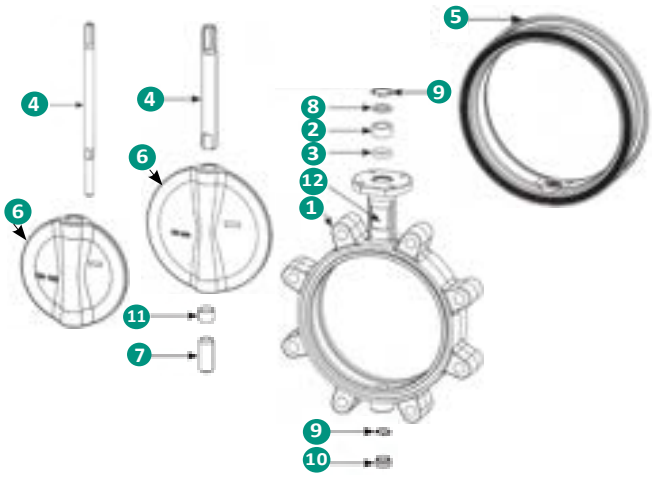
* E1- Short shaft on request

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Actuator – Replaceable – Pinless – EN 1092-2

Product Specification

DN 50-100 *DN 125-200*

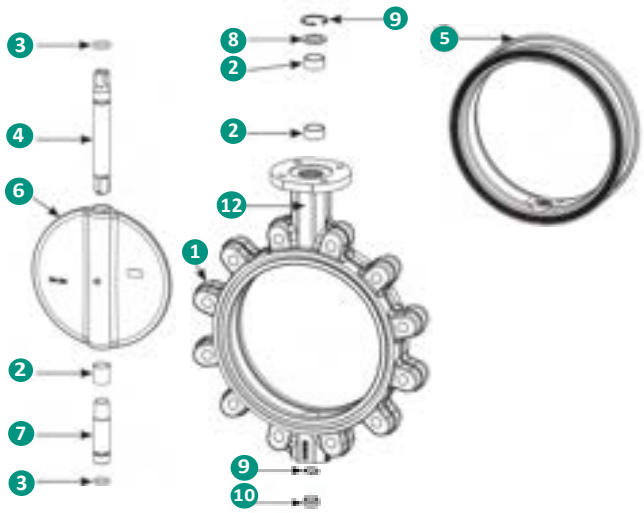


DN 50-200

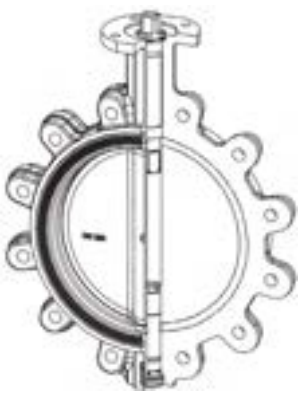


N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 + Epoxy
2	Bushing	Acetal Delrin DN 40/200 Steel Bronze PTFE DN 250/500
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Super Duplex 1.4469
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger Ring Body	Zinc-plated Steel DIN 472 DN 50-200 Zinc-plated Steel DIN 472 DN 250-500
10	Lower plug	EPDM DN 125/200 EPDM DN 250/500
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester

DN 250-500



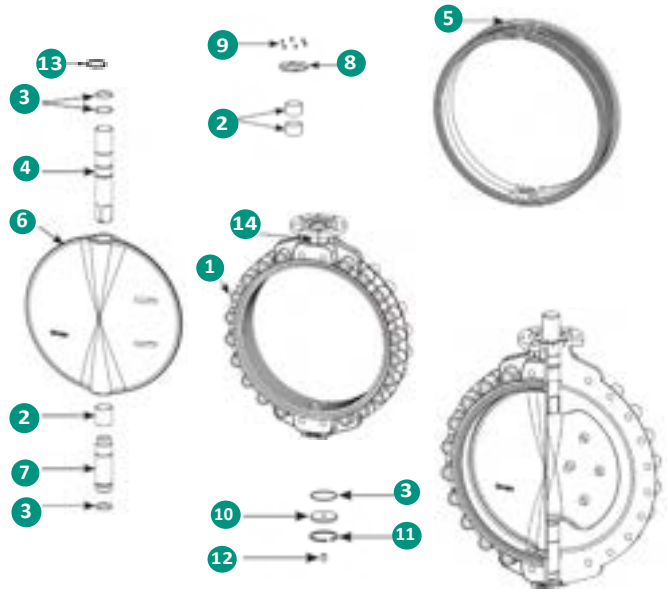
DN 400



FIVC Butterfly Valve

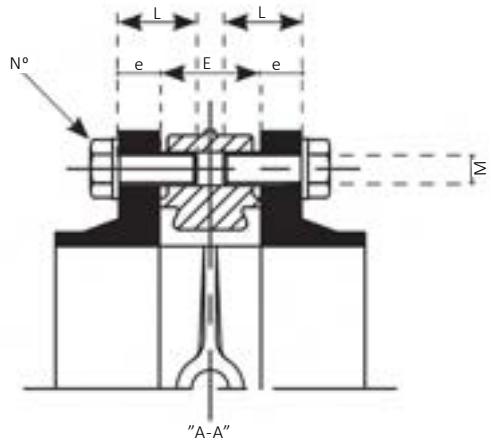
Ductile Iron – PN 16 – Lugged – Actuator – Replaceable – Pinless – EN 1092-2

DN 600/1000



N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 + Epoxy
2	Bushing	Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Super Duplex 1.4469
7	Lower shaft	Stainless Steel AISI 420
8	Upper Cover	Carbon Steel, Coating Epoxy
9	Bolt upper cover	Zinc-plated Steel DIN 7991
10	Lower Cover	Carbon Steel Coating Epoxy
11	Seeger Ring Body	Zinc-plated Steel DIN 472
12	Screw	Zinc-plated Steel DIN 913 DN 750/1000
13	Retaining Ring Shaft	Zinc-plated Steel DIN 471 DN 600/800
14	Features Tag	Polyester

Product Dimensions





Product code	Size	E	K	e	M	L	N°
LUGN110050MSEENR1603	50	43	125	18	M16	35	8
LUGN110065MSEENR1603	65	46	145	18	M16	40	8
LUGN110080MSEENR1603	80	46	160	20	M16	40	16
LUGN110100MSEENR1603	100	52	180	20	M16	45	16
LUGN110125MSEENR1603	125	56	210	22	M16	50	16
LUGN110150MSEENR1603	150	56	240	22	M20	50	16
LUGN110200MSEENR1603	200	60	295	24	M20	50	24
LUGN110250MSEENR1603	250	68	355	26	M24	60	24
LUGN110300MSEENR1603	300	78	410	28	M24	65	24
LUGN110350MSEENR1603	350	78	470	30	M24	65	32
LUGN110400MSEENR1603	400	102	525	32	M27	65	32
LUGN110450MSEENR1603	450	114	585	32	M27	80/60	32/8
LUGN110500MSEENR1603	500	127	650	34	M30	65	40
LUGN110600MSEENR1603	600	154	770	36	M33	110	40
LUGN110700MSEENR1603	700	165	840	36	M33	120/85	40/8
LUGN110750MSEENR1603	750	190	900	38	M33	130/100	40/8
LUGN110800MSEENR1603	800	190	950	38	M36	130/110	40/8
LUGN110900MSEENR1603	900	203	1050	40	M36	140/100	48/8
LUGN111000MSEENR1603	1000	216	1170	42	M39	150/100	48/8

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Actuator – Replaceable – Pinless – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Electrical actuator in Polyamide
- Coating: Epoxy
- USP: Maintenance and installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face acc. to EN 558-1 *(series 20)*
  DIN 3202 T3 K1 - ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Metric
- Tests: Hydraulic test acc. to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC
- General services
- Irrigation
- Shipbuilding

Description

FIVC Lugged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes.
With its high quality rotational disc, the valve features quick shut-off function.
Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance.
Furthermore, the valve can by its high quality JJ actuator be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive Nº 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Ductile Iron
- Alu-Bronze

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

Operation
- 15° notch hand-lever
- Gearbox
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

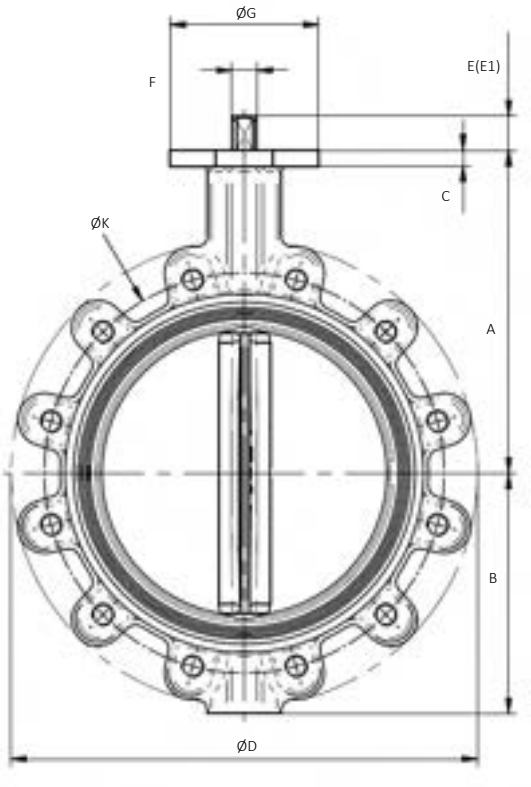
Product Information

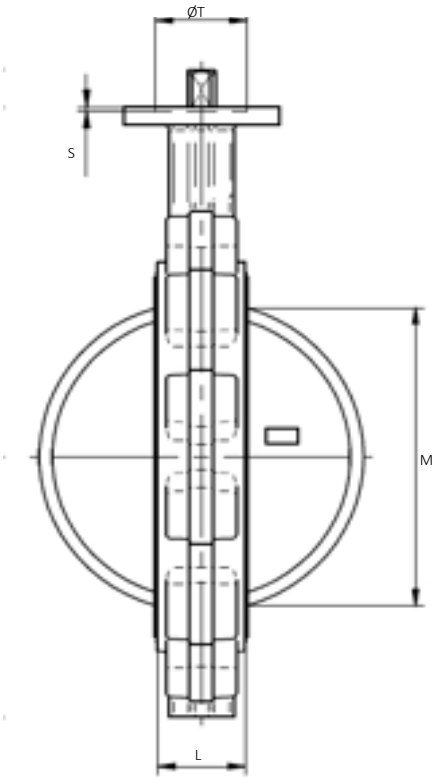
Product code	Size	General dimensions of bare shaft																	
		A	B	C	D	E	F	G	K	M	L	Kg	ISO	E1	Q	R	S	T	Keyway *axb*
LUGN50050MSEENR1603	50	120	59	10	156	30	11	90	125	29	43	2.9	F-07	16	70	4x9	-	-	-
LUGN50065MSEENR1603	65	135	66	10	175	30	11	90	145	46	46	3.3	F-07	16	70	4x9	-	-	-
LUGN50080MSEENR1603	80	141	91	10	194	30	11	90	160	65	46	4.8	F-07	16	70	4x9	-	-	-
LUGN50100MSEENR1603	100	165	105	10	224	30	11	90	180	90	52	6.3	F-07	16	70	4x9	-	-	-
LUGN50125MSEENR1603	125	180	125	12	267	33	14	90	210	112	56	9.8	F-07	18	70	4x9	-	-	-
LUGN50150MSEENR1603	150	193	136	12	292	33	14	90	240	139	56	10.6	F-07	18	70	4x9	-	-	-
LUGN50200MSEENR1603	200	225	171	12	352	33	17	90	295	191	60	17.5	F-07	18	70	4x9	-	-	-
LUGN50250MSEENR1003	250	283	210	14	409	30	22	130	355	241	68	26.4	F-10	23	102	4x12	3	70	-

Dimensions are in millimeters

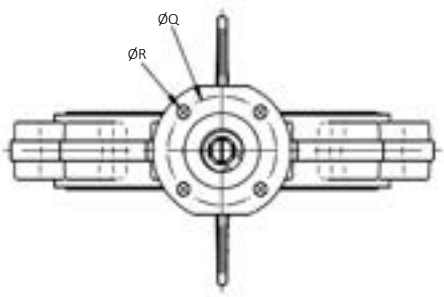
Dimensions

Bare shaft



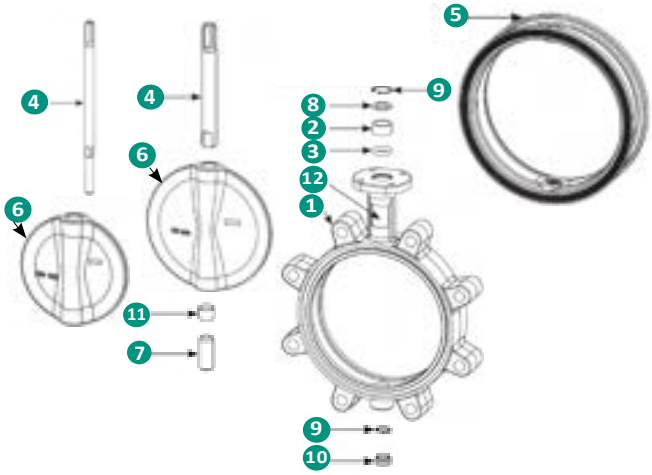


E1- Short shaft on request



Product Specification

DN 50-100 *DN 125-200*

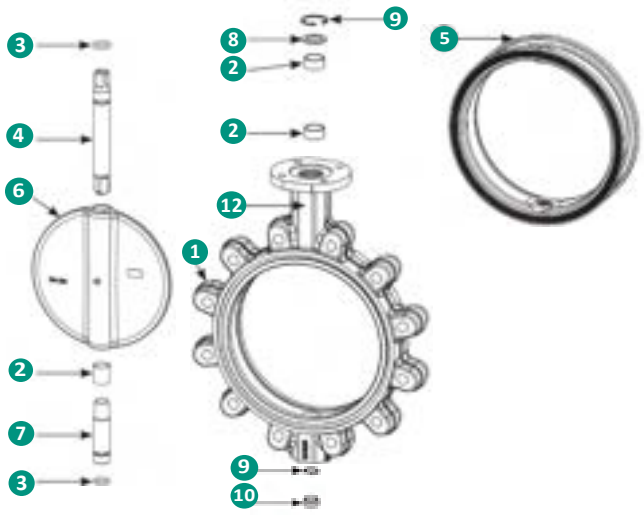


DN 50-200

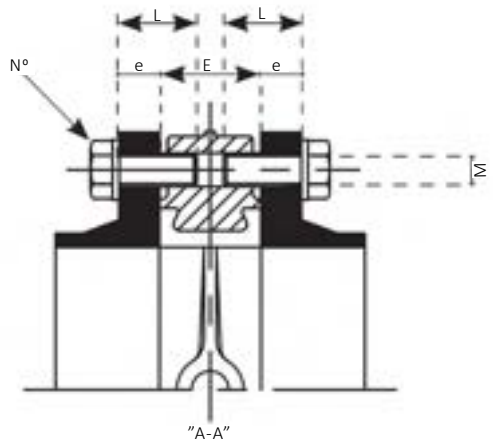


N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 + Epoxy
2	Bushing	Acetal Delrin DN 40/200 Steel Bronze PTFE DN 250
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Stainless Steel CF8M
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger Ring Body	Zinc-plated Steel DIN 472 DN 50-200 Zinc-plated Steel DIN 472 DN 250
10	Lower plug	EPDM DN 125/200 EPDM DN 250
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester

DN 250



Product Dimensions





Product code	Size	E	K	e	M	L	N°
LUGN50050MSEENR1603	50	43	125	18	M16	35	8
LUGN50065MSEENR1603	65	46	145	18	M16	40	8
LUGN50080MSEENR1603	80	46	160	20	M16	40	16
LUGN50100MSEENR1603	100	52	180	20	M16	45	16
LUGN50125MSEENR1603	125	56	210	22	M16	50	16
LUGN50150MSEENR1603	150	56	240	22	M20	50	16
LUGN50200MSEENR1603	200	60	295	24	M20	50	24
LUGN50250MSEENR1003	250	68	355	26	M24	60	24

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Actuator – Replaceable – Pinless – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Super Duplex
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Electrical actuator in Polyamide
- Coating: Epoxy
- USP: Maintenance and installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face acc. to EN 558-1 *(series 20)*
  DIN 3202 T3 K1 - ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Metric
- Tests: Hydraulic test acc. to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC
- General services
- Irrigation
- Shipbuilding

Description

FIVC Lugged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes.
With its high quality rotational disc, the valve features quick shut-off function.
Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance.
Furthermore, the valve can by its high quality JJ actuator be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Ductile Iron
- Alu-Bronze
- Stainless Steel

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

Operation
- 15° notch hand-lever
- Gearbox
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

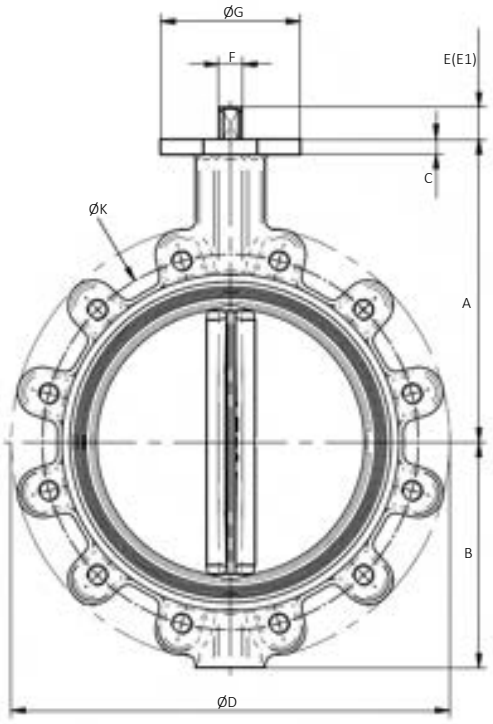
Dimensions

Product code	Size	General dimensions of bare shaft																	
		A	B	C	D	E	F	G	K	M	L	Kg	ISO	E1	Q	R	S	T	Keyway axb
LUGN110050MSEENR1603	50	120	59	10	156	30	11	90	125	29	43	2.9	F-07	16	70	4x9	-	-	-
LUGN110065MSEENR1603	65	135	66	10	175	30	11	90	145	46	46	3.3	F-07	16	70	4x9	-	-	-
LUGN110080MSEENR1603	80	141	91	10	194	30	11	90	160	65	46	4.8	F-07	16	70	4x9	-	-	-
LUGN110100MSEENR1603	100	165	105	10	224	30	11	90	180	90	52	6.3	F-07	16	70	4x9	-	-	-
LUGN110125MSEENR1603	125	180	125	12	267	33	14	90	210	112	56	9.8	F-07	18	70	4x9	-	-	-
LUGN110150MSEENR1603	150	193	136	12	292	33	14	90	240	139	56	10.6	F-07	18	70	4x9	-	-	-
LUGN110200MSEENR1603	200	225	171	12	352	33	17	90	295	191	60	17.5	F-07	18	70	4x9	-	-	-
LUGN110250MSEENR1003	250	283	210	14	409	30	22	130	355	241	68	26.4	F-10	23	102	4x12	3	70	-

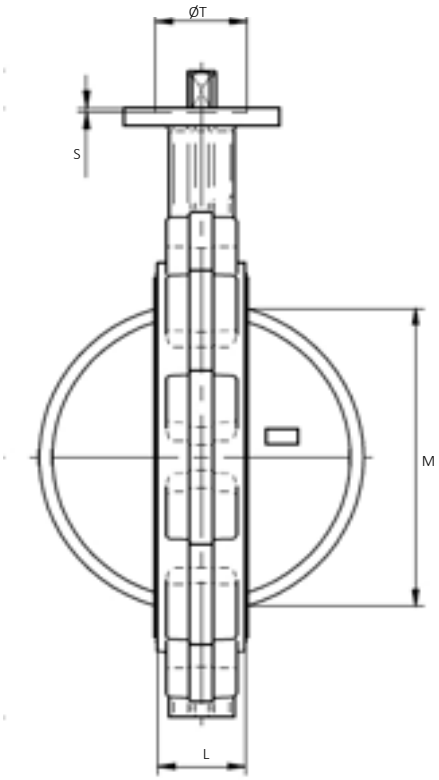
Dimensions are in millimeters

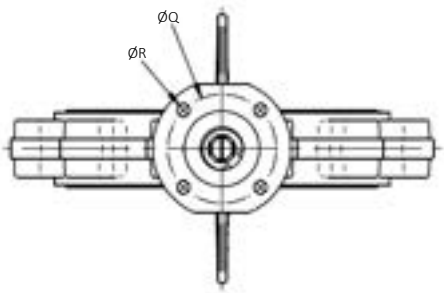
Dimensions

Bare shaft



E1- Short shaft on request



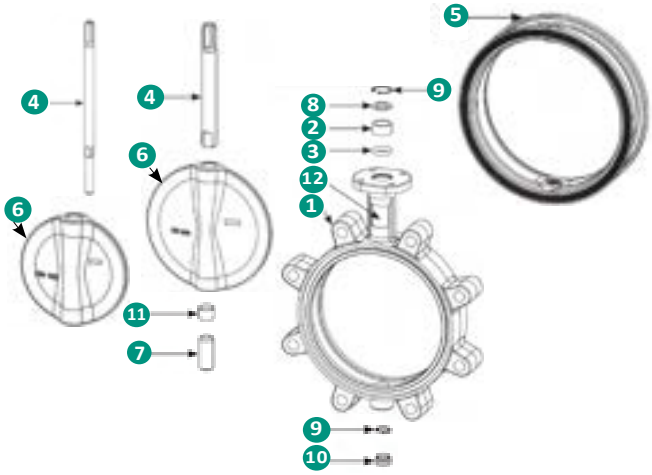


FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Actuator – Replaceable – Pinless – EN 1092-2

Product Specification

DN 50-100 *DN 125-200*

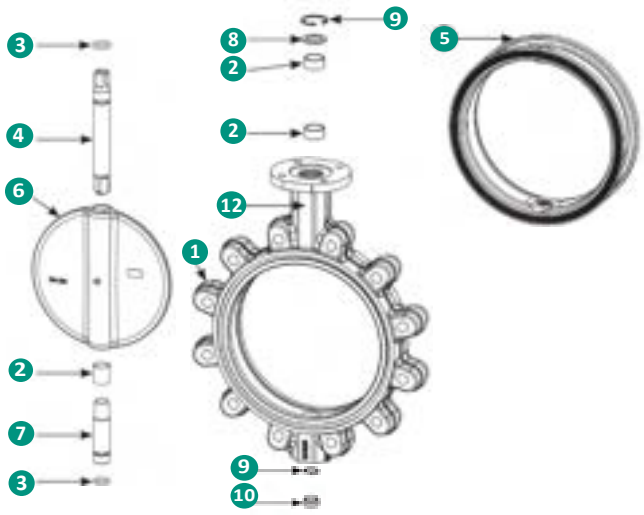


DN 50-200

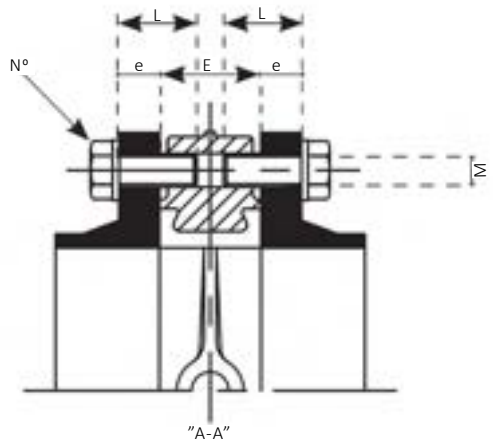


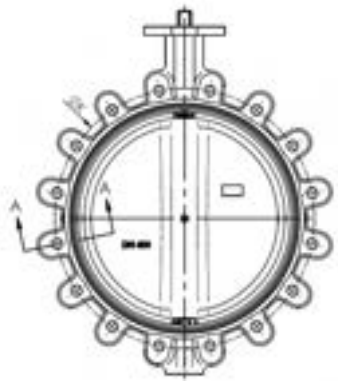
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 + Epoxy
2	Bushing	Acetal Delrin DN 40/200 Steel Bronze PTFE DN 250
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Super Duplex 1.4469
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger Ring Body	Zinc-plated Steel DIN 472 DN 50-200 Zinc-plated Steel DIN 472 DN 250
10	Lower plug	EPDM DN 125/200 EPDM DN 250
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester

DN 250



Product Dimensions





Product code	Size	E	K	e	M	L	N°
LUGN110050MSEENR1603	50	43	125	18	M16	35	8
LUGN110065MSEENR1603	65	46	145	18	M16	40	8
LUGN110080MSEENR1603	80	46	160	20	M16	40	16
LUGN110100MSEENR1603	100	52	180	20	M16	45	16
LUGN110125MSEENR1603	125	56	210	22	M16	50	16
LUGN110150MSEENR1603	150	56	240	22	M20	50	16
LUGN110200MSEENR1603	200	60	295	24	M20	50	24
LUGN110250MSEENR1003	250	68	355	26	M24	60	24

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Actuator – Replaceable – Pinless – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Alu-Bronze
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Electrical actuator in Aluminium
- Coating: Epoxy
- USP: Maintenance and installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face acc. to EN 558-1 *(series 20)*
  DIN 3202 T3 K1 - ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Metric
- Tests: Hydraulic test acc. to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC
- General services
- Irrigation
- Shipbuilding

Description

FIVC Lugged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes.
With its high quality rotational disc, the valve features quick shut-off function.
Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance.
Furthermore, the valve can by its high quality Bernard Controls actuator be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Stainles Steel
- Ductile Iron

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

Operation
- 15° notch hand-lever
- Gearbox
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

Dimensions

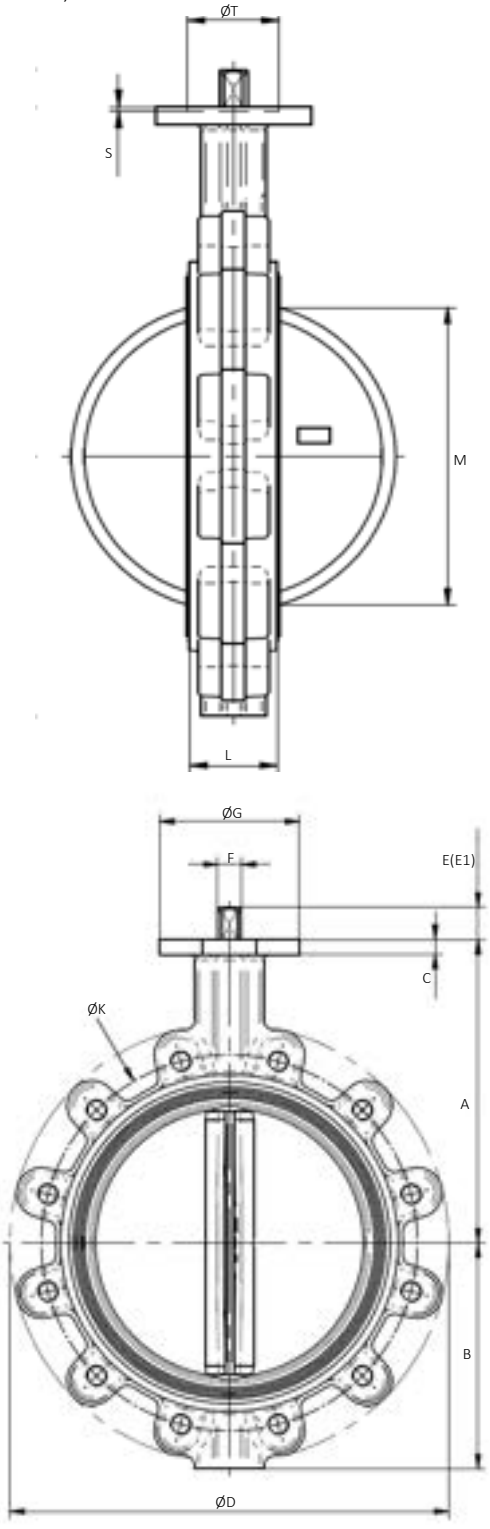
Product code	Size	General dimensions of bare shaft																	
		A	B	C	D	E	F	G	K	M	L	Kg	ISO	E1	Q	R	S	T	Keyway axb
LUGN40050MSEENR1603	50	120	59	10	156	30	11	90	125	29	43	2.9	F-07	16	70	4x9	-	-	-
LUGN40065MSEENR1603	65	135	66	10	175	30	11	90	145	46	46	3.3	F-07	16	70	4x9	-	-	-
LUGN40080MSEENR1603	80	141	91	10	194	30	11	90	160	65	46	4.8	F-07	16	70	4x9	-	-	-
LUGN40100MSEENR1603	100	165	105	10	224	30	11	90	180	90	52	6.3	F-07	16	70	4x9	-	-	-
LUGN40125MSEENR1603	125	180	125	12	267	33	14	90	210	112	56	9.8	F-07	18	70	4x9	-	-	-
LUGN40150MSEENR1603	150	193	136	12	292	33	14	90	240	139	56	10.6	F-07	18	70	4x9	-	-	-
LUGN40200MSEENR1603	200	225	171	12	352	33	17	90	295	191	60	17.5	F-07	18	70	4x9	-	-	-
LUGN40250MSEENR1603	250	283	210	14	409	30	22	130	355	241	68	26.4	F-10	23	102	4x12	3	70	-
LUGN40300MSEENR1603	300	308	240	14	480	30	22	130	410	290	78	39.6	F-10	23	102	4x12	3	70	-
LUGN40350MSEENR1603	350	339	263	18	522	31	22	160	470	338	78	56.1	F-10		102	4x12	3	70	-
LUGN40400MSEENR1603	400	380	308	18	595	31	27	160	525	387	102	74.9	F-12		125	4x14	4	85	-
LUGN40450MSEENR1603	450	381	340	20	633	38	36	190	585	434	114	103	F-14		140	4x18	4	100	-
LUGN40500MSEENR1603	500	433	380	20	717	38	36	210	650	478	127	158	F-14		140	4x18	4	100	-
LUGN40600MSEENR1603	600	494	440	24	833	80	60	210	770	570	154	220	F-16	-	165	4x22	5	130	18x11
LUGN40700MSEENR1603	700	560	485	25	904	106	65	300	840	660	165	293	F-25	-	254	8x18	5	200	18x11
LUGN40750MSEENR1603	750	590	530	25	964	106	80	300	900	705	190	373	F-25	-	254	8x18	5	200	22x14
LUGN40800MSEENR1603	800	630	565	27	1020	106	80	300	950	763	190	432	F-25	-	254	8x18	5	200	22x14
LUGN40900MSEENR1603	900	695	610	32	1120	110	80	350	1050	866	203	539	F-25	-	254	8x18	5	200	22x14
LUGN41000MSEENR1603	1000	770	675	32	1246	110	80	350	1170	966	216	690	F-25	-	254	8x18	5	200	22x14

Dimensions are in millimeters

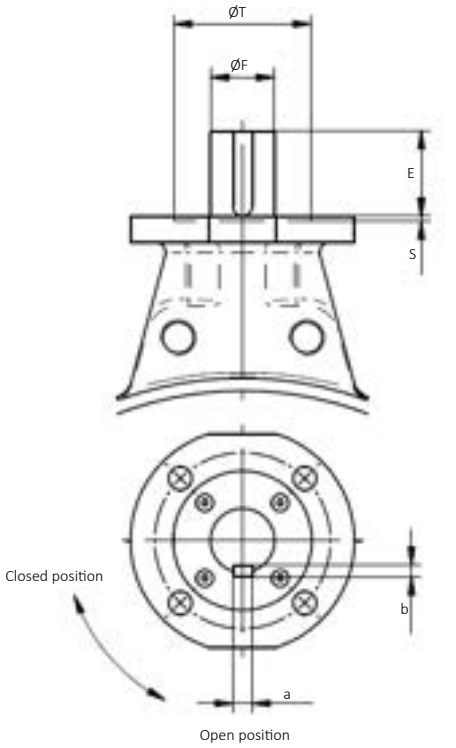
Dimensions

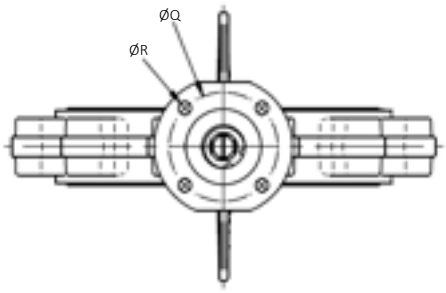
Bare shaft

DN 50/500



DN 600/1000





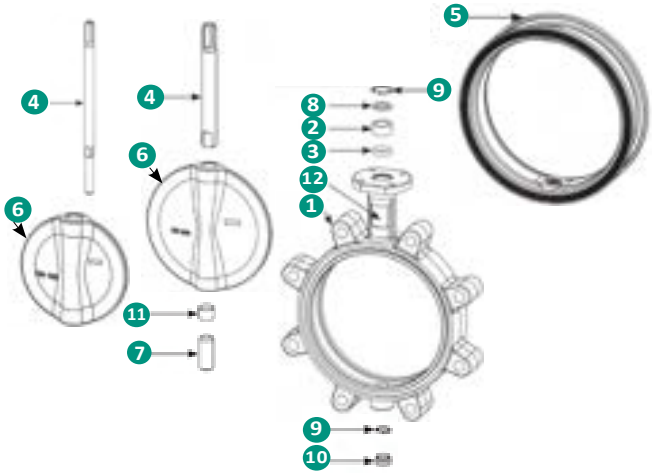
* E1- Short shaft on request

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Actuator – Replaceable – Pinless – EN 1092-2

Product Specification

DN 50-100 *DN 125-200*

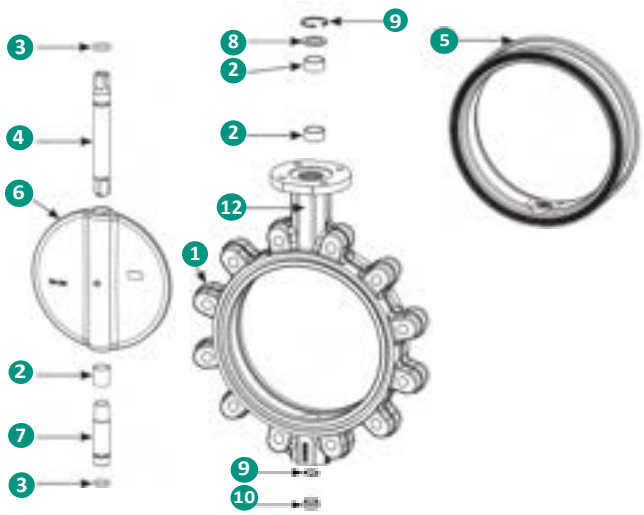


DN 50-200

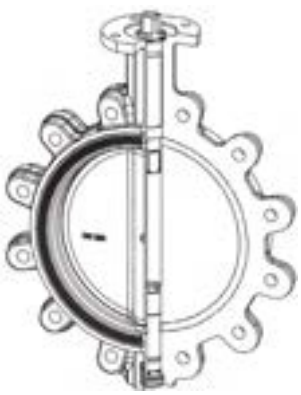


N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 + Epoxy
2	Bushing	Acetal Delrin DN 40/200 Steel Bronze PTFE DN 250/500
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Alu-Bronze CuAl10Fe5Ni5-C
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger Ring Body	Zinc-plated Steel DIN 472 DN 50-200 Zinc-plated Steel DIN 472 DN 250-500
10	Lower plug	EPDM DN 125/200 EPDM DN 250/500
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester

DN 250-500



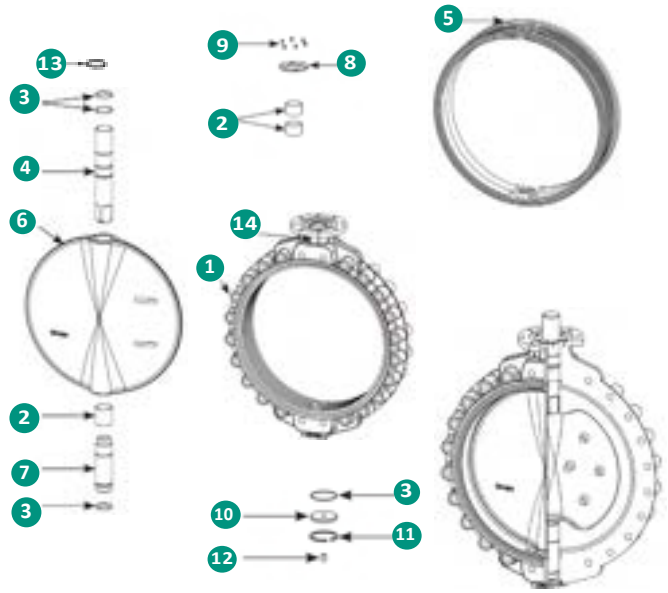
DN 400



FIVC Butterfly Valve

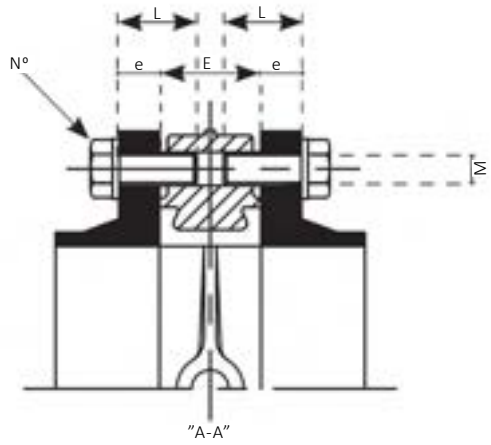
Ductile Iron – PN 16 – Lugged – Actuator – Replaceable – Pinless – EN 1092-2

DN 600/1000



N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 + Epoxy
2	Bushing	Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Alu-Bronze CuAI10Fe5Ni5-C
7	Lower shaft	Stainless Steel AISI 420
8	Upper Cover	Carbon Steel, Coating Epoxy
9	Bolt upper cover	Zinc-plated Steel DIN 7991
10	Lower Cover	Carbon Steel Coating Epoxy
11	Seeger Ring Body	Zinc-plated Steel DIN 472
12	Screw	Zinc-plated Steel DIN 913 DN 750/1000
13	Retaining Ring Shaft	Zinc-plated Steel DIN 471 DN 600/800
14	Features Tag	Polyester

Product Dimensions





Product code	Size	E	K	e	M	L	N°
LUGN40050MSEENR1603	50	43	125	18	M16	35	8
LUGN40065MSEENR1603	65	46	145	18	M16	40	8
LUGN40080MSEENR1603	80	46	160	20	M16	40	16
LUGN40100MSEENR1603	100	52	180	20	M16	45	16
LUGN40125MSEENR1603	125	56	210	22	M16	50	16
LUGN40150MSEENR1603	150	56	240	22	M20	50	16
LUGN40200MSEENR1603	200	60	295	24	M20	50	24
LUGN40250MSEENR1603	250	68	355	26	M24	60	24
LUGN40300MSEENR1603	300	78	410	28	M24	65	24
LUGN40350MSEENR1603	350	78	470	30	M24	65	32
LUGN40400MSEENR1603	400	102	525	32	M27	65	32
LUGN40450MSEENR1603	450	114	585	32	M27	80/60	32/8
LUGN40500MSEENR1603	500	127	650	34	M30	65	40
LUGN40600MSEENR1603	600	154	770	36	M33	110	40
LUGN40700MSEENR1603	700	165	840	36	M33	120/85	40/8
LUGN40750MSEENR1603	750	190	900	38	M33	130/100	40/8
LUGN40800MSEENR1603	800	190	950	38	M36	130/110	40/8
LUGN40900MSEENR1603	900	203	1050	40	M36	140/100	48/8
LUGN41000MSEENR1603	1000	216	1170	42	M39	150/100	48/8

FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Actuator – Replaceable – Pinless – EN 1092-2



LUG series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Alu-Bronze
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Electrical actuator in Polyamide
- Coating: Epoxy
- USP: Maintenance and installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face acc. to EN 558-1 *(series 20)*
  DIN 3202 T3 K1 - ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16
  Shaft: SS AISI 420
  Thread: Metric
- Tests: Hydraulic test acc. to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- HVAC
- General services
- Irrigation
- Shipbuilding

Description

FIVC Lugged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes.
With its high quality rotational disc, the valve features quick shut-off function.
Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance.
Furthermore, the valve can by its high quality JJ actuator be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Stainles Steel
- Ductile Iron

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

Operation
- 15° notch hand-lever
- Gearbox
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

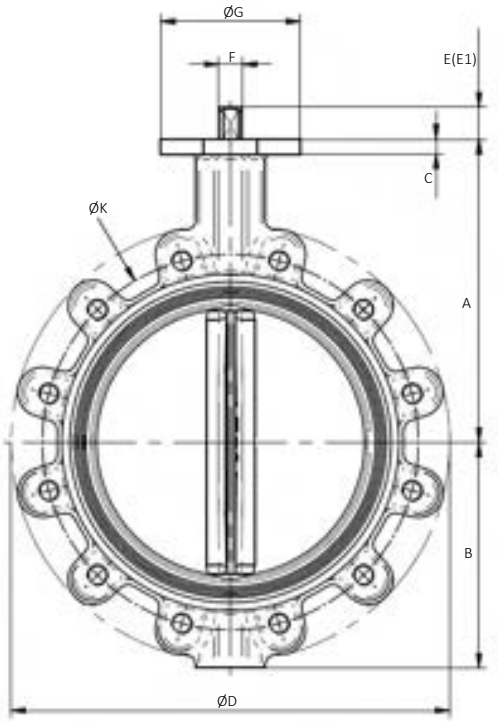
Dimensions

Product code	Size	General dimensions of bare shaft																	
		A	B	C	D	E	F	G	K	M	L	Kg	ISO	E1	Q	R	S	T	Keyway axb
LUGN40050MSEENR1603	50	120	59	10	156	30	11	90	125	29	43	2.9	F-07	16	70	4x9	-	-	-
LUGN40065MSEENR1603	65	135	66	10	175	30	11	90	145	46	46	3.3	F-07	16	70	4x9	-	-	-
LUGN40080MSEENR1603	80	141	91	10	194	30	11	90	160	65	46	4.8	F-07	16	70	4x9	-	-	-
LUGN40100MSEENR1603	100	165	105	10	224	30	11	90	180	90	52	6.3	F-07	16	70	4x9	-	-	-
LUGN40125MSEENR1603	125	180	125	12	267	33	14	90	210	112	56	9.8	F-07	18	70	4x9	-	-	-
LUGN40150MSEENR1603	150	193	136	12	292	33	14	90	240	139	56	10.6	F-07	18	70	4x9	-	-	-
LUGN40200MSEENR1603	200	225	171	12	352	33	17	90	295	191	60	17.5	F-07	18	70	4x9	-	-	-
LUGN40250MSEENR1003	250	283	210	14	409	30	22	130	355	241	68	26.4	F-10	23	102	4x12	3	70	-

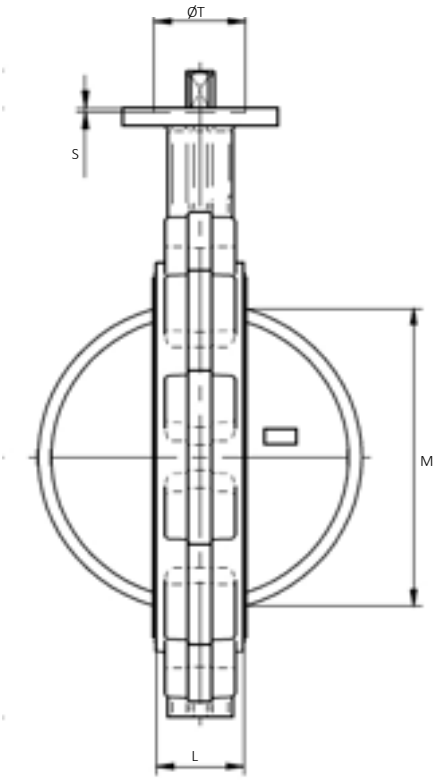
Dimensions are in millimeters

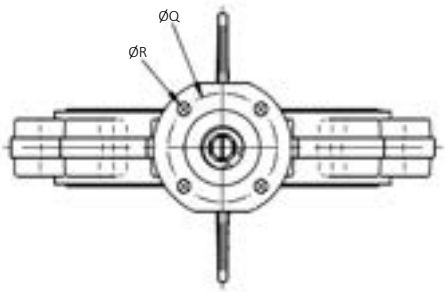
Dimensions

Bare shaft



* E1- Short shaft on request



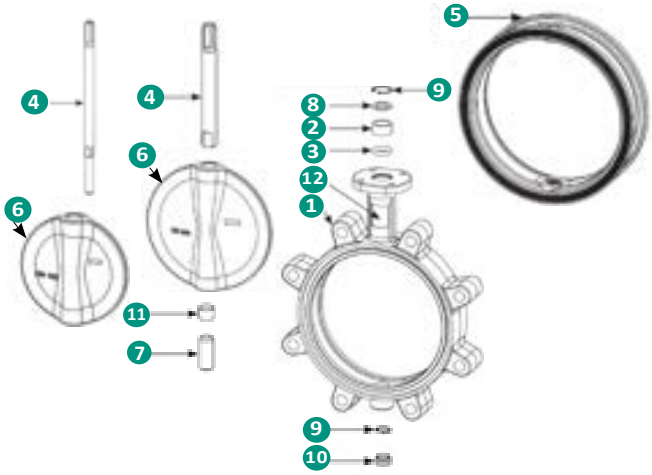


FIVC Butterfly Valve

Ductile Iron – PN 16 – Lugged – Actuator – Replaceable – Pinless – EN 1092-2

Product Specification

DN 50-100 *DN 125-200*

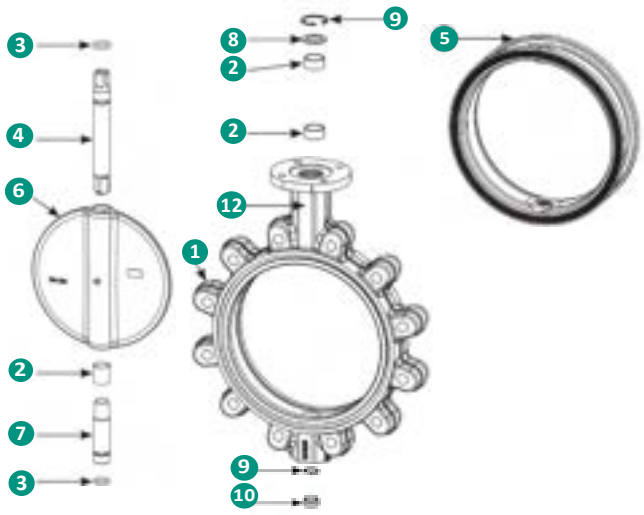


DN 50-200

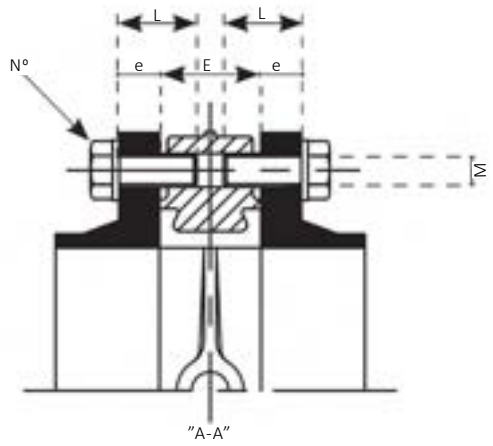


N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15 + Epoxy
2	Bushing	Acetal Delrin DN 40/200 Steel Bronze PTFE DN 250
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Alu-Bronze CuAl10Fe5Ni5-C
7	Lower shaft	Stainless Steel AISI 420
8	Retaining ring	Zinc-plated Steel
9	Seeger Ring Body	Zinc-plated Steel DIN 472 DN 50-200 Zinc-plated Steel DIN 472 DN 250
10	Lower plug	EPDM DN 125/200 EPDM DN 250
11	Bushing	Steel Bronze PTFE DN 200
12	Features Tag	Polyester

DN 250



Product Dimensions





Product code	Size	E	K	e	M	L	N°
LUGN40050MSEENR1603	50	43	125	18	M16	35	8
LUGN40065MSEENR1603	65	46	145	18	M16	40	8
LUGN40080MSEENR1603	80	46	160	20	M16	40	16
LUGN40100MSEENR1603	100	52	180	20	M16	45	16
WLUGN40125MSEENR1603	125	56	210	22	M16	50	16
LUGN40150MSEENR1603	150	56	240	22	M20	50	16
LUGN40200MSEENR1603	200	60	295	24	M20	50	24
LUGN40250MSEENR1003	250	68	355	26	M24	60	24

FIVC Butterfly Valve

Ductile Iron – PN 16 – U-flanged – Actuator – Replaceable – Pinless – EN 1092-2



FLANU series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Ductile Iron
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Electrical actuator in Aluminium
- Coating: Epoxy
- USP: Maintenance and installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face acc. to EN 558-1 (Ser.20)
  DIN 3202 T3 K1 - ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16 / Metric
  Shaft: SS AISI 420
- Tests: Hydraulic test acc. to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- General services
- HVAC

Description

FIVC U-flanged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function. Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance.
Furthermore, the valve can by its high quality Bernard Controls actuator be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Stainles Steel
- Alu-Bronze

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

Operation
- 15° notch hand-lever
- Gearbox
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

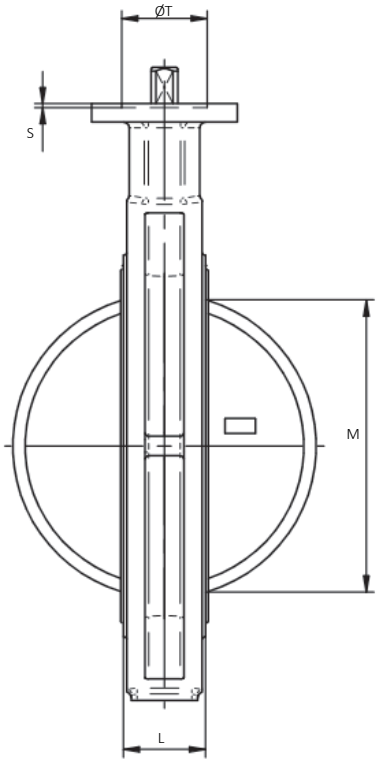
Dimensions

Product code	Size	General dimensions of bare shaft																	
		A	B	C	D	E	E1	F	G	K	L	M	Kg	ISO	Q	R	S	T	Keyway axb
FLANU30080MSEENR1603	80	141	110	10	200	30	16	11	90	160	46	65	5.3	F-07	70	4x9			
FLANU30100MSEENR1603	100	165	115	10	230	30	16	11	90	180	52	90	7.0	F-07	70	4x9			
FLANU30125MSEENR1603	125	180	127	12	255	33	18	14	90	210	56	112	9.5	F-07	70	4x9			
FLANU30150MSEENR1603	150	193	143	12	285	33	18	14	90	240	56	139	11.0	F-07	70	4x9			
FLANU30200MSEENR1603	200	225	173	12	345	33	18	17	90	295	60	191	18.4	F-07	70	4x9			
FLANU30250MSEENR1603	250	283	210	14	406	30	23	22	130	355	68	241	30.8	F-10	102	4x12	3	70	
FLANU30300MSEENR1603	300	308	240	14	480	30	23	22	130	410	78	290	45.3	F-10	102	4x12	3	70	
FLANU30350MSEENR1603	350	339	271	14	535	31		22	160	470	78	338	55.0	F-10	102	4x12	3	70	
FLANU30400MSEENR1603	400	380	308	18	597	31		27	160	525	102	387	80.0	F-12	125	4x14	4	85	
FLANU30450MSEENR1603	450	381	340	20	640	38		36	190	585	114	434	99.9	F-14	140	4x18	4	100	
FLANU30500MSEENR1603	500	433	380	22	700	38		36	210	650	127	478	137	F-14	140	4x18	4	100	
FLANU30600MSEENR1603	600	494	440	24	834	80		60	210	770	154	570	220	F-16	165	4x22	5	130	18x11
FLANU30700MSEENR1603	700	560	485	25	927	106		65	300	840	165	660	282	F-25	254	8x18	5	200	18x11
FLANU30750MSEENR1603	750	590	530	25	995	106		80	300	900	190	705	350	F-25	254	8x18	5	200	22x14
FLANU30800MSEENR1603	800	630	565	29	1060	106		80	300	950	190	763	398	F-25	254	8x18	5	200	22x14
FLANU30900MSEENR1603	900	695	610	32	1170	110		80	350	1050	203	866	511	F-25	254	8x18	5	200	22x14
FLANU31000MSEENR1603	1000	770	675	32	1290	110		80	350	1170	216	966	686	F-25	254	8x18	5	200	22x14
FLANU31050MSEENR1603	1050	770	675	32	1346	110		80	350		216	1010	776	F-25	254	8x18	5	200	22x14
FLANU31100MSEENR1603	1100	815	733	32	1405	110		80	350	1270	216	1054	865	F-25	254	8x18	5	200	22x14
FLANU31200MSEENR1603	1200	875	818	40	1485	110		100	350	1390	254	1153	1072	F-30	298	8x23	5	230	28x16
FLANU31400MSEENR1603	1400	1000	969	35	1735	120		120	415	1590	280	1342	1584	F-30	298	8x23	5	230	28x16
FLANU31500MSEENR1603	1500	1075	1050	40	1855	160		130	475	1710	318	1447	2110	F-40	406	8x39	8	300	32x18
FLANU31600MSEENR1603	1600	1115	1090	40	1930	160		130	475	1820	318	1533	2153	F-40	406	8x39	8	300	32x18

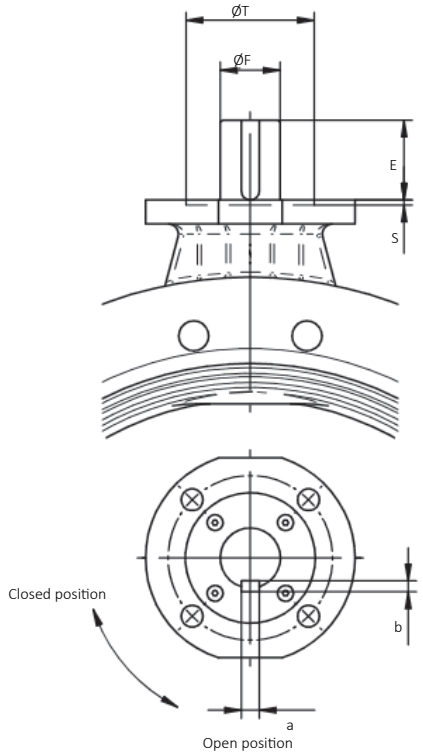
Dimensions

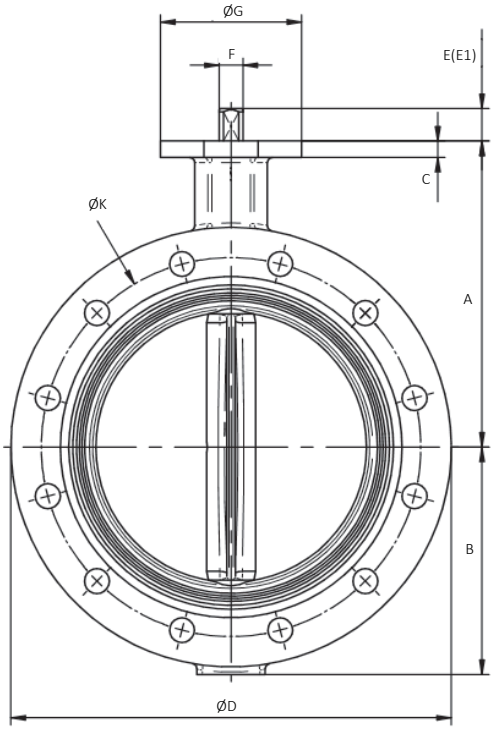
Bare shaft

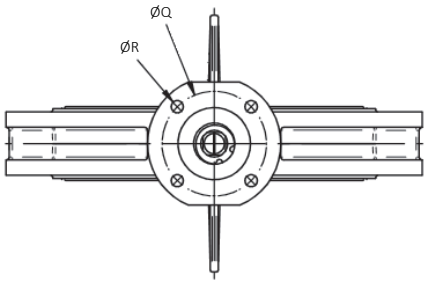
DN 80/500



DN 600/1600







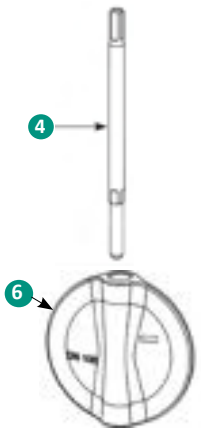
* E1- Short shaft on request

FIVC Butterfly Valve

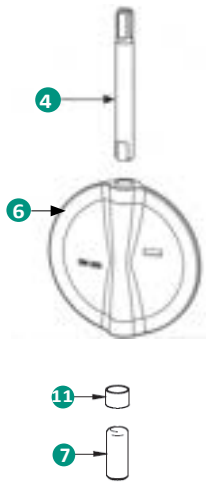
Ductile Iron – PN 16 – U-flanged – Actuator – Replaceable – Pinless – EN 1092-2

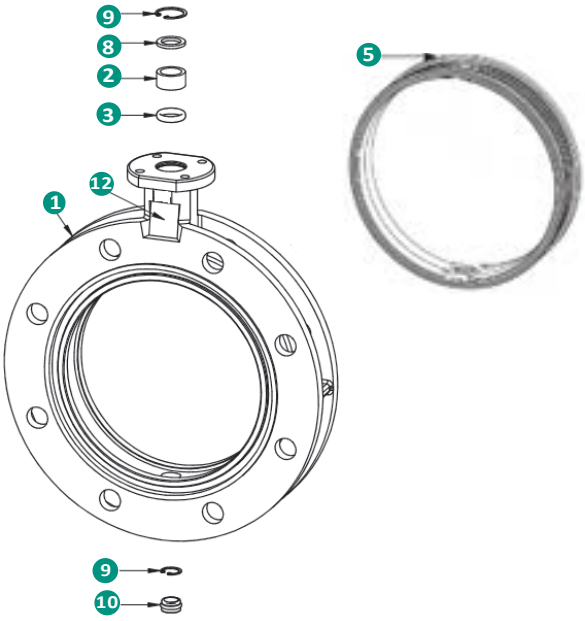
Product Specification

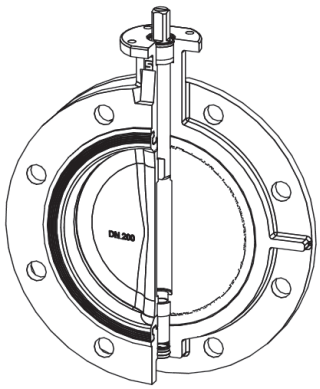
DN 80-100



DN 125-200

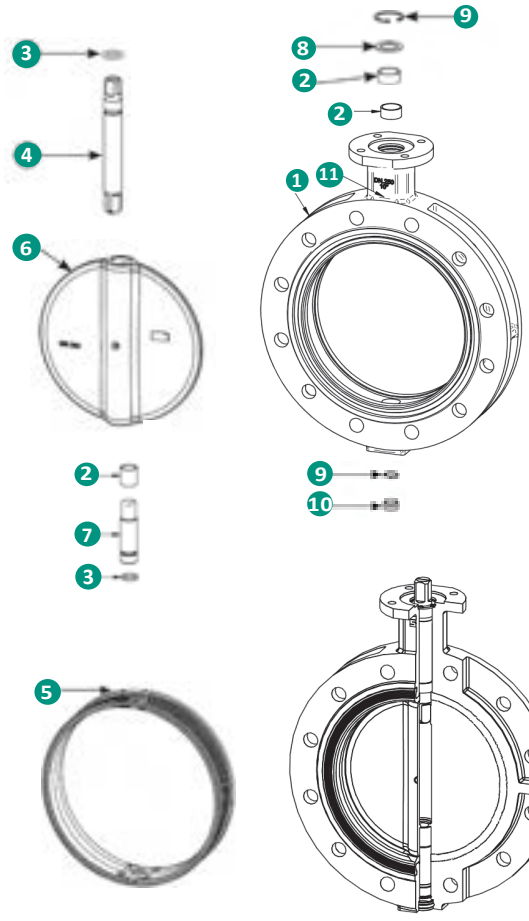






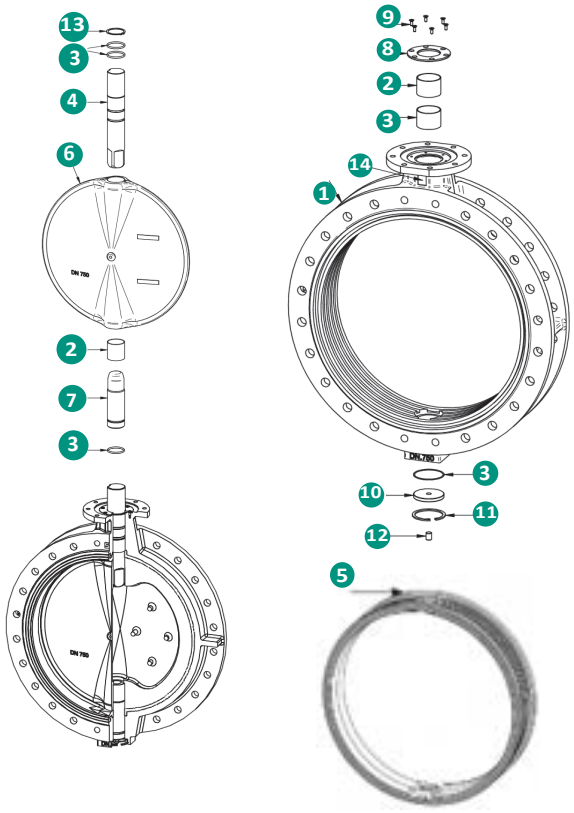
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15, Epoxy
2	Bushing	DN 80-200: Acetal Delrin DN 250-500: Steel, Bronze, PTFE
3	O-Ring	Nitrile
4	Upper Shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Ductile Iron EN-GJS-400-15, Epoxy
7	Lower Shaft	Stainless Steel AISI 420 (DN 125-500)
8	Retaining Ring	Zinc-plated Steel
9	Seeger Ring Body	Zinc-plated Steel DIN 472
10	Lower Plug	EPDM (DN 125 - 500)
11	Bushing	Steel Bronze PTFE
12	Features Tag	Polyester

DN 250-500

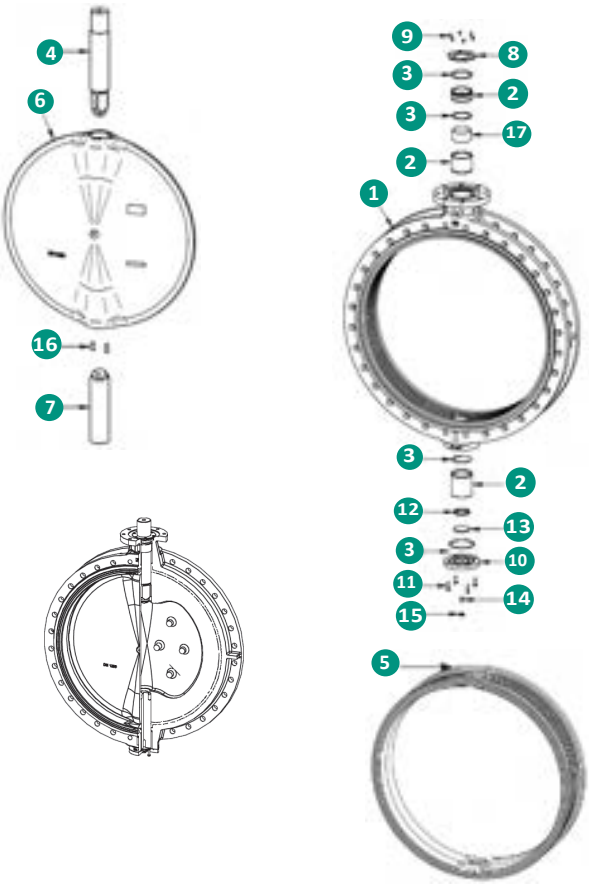


Product Specification

DN 600/1100



DN 1200/1600



DN 600/1100

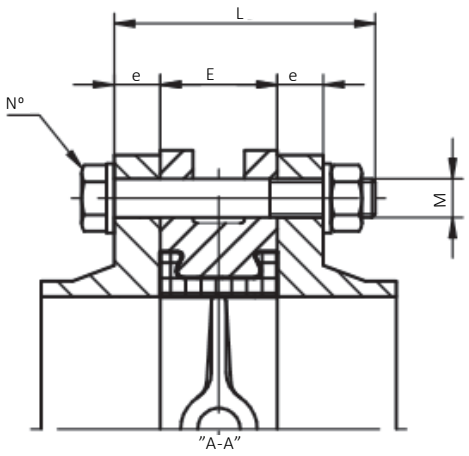
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15, Epoxy
2	Bushing	Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper Shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Ductile Iron EN-GJS-400-15, Epoxy
7	Lower Shaft	Stainless Steel AISI 420
8	Upper Cover	Carbon Steel, Epoxy Coated
9	Bolt Upper Cover	Zinc-plated Steel, DIN 7991
10	Lower Cover	Carbon Steel, Epoxy Coated
11	Seeger Ring Body	Zinc-plated Steel DIN 472
12	Screw	Zinc-plated Steel DIN 913 DN 750/1100
13	Retaining Ring Shaft	Zinc-plated Steel DIN 471 DN 600/800
14	Features Tag	Polyester

DN 1200/1600

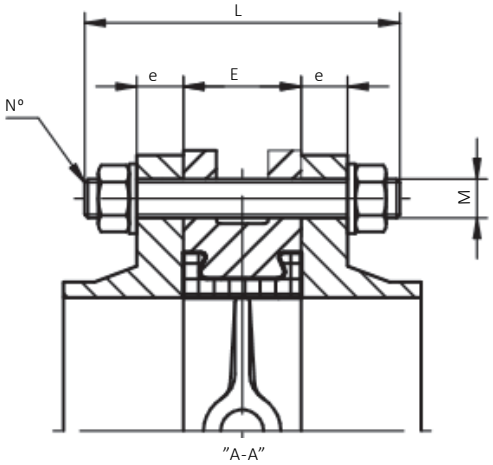
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15, Epoxy
2	Bushing	Bronze/Brass
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Ductile Iron EN-GJS-400-15, Epoxy
7	Lower Shaft	Stainless Steel AISI 420
8	Upper Cover	Carbon Steel, Epoxy Coated
9	Bolt Upper Cover	Zinc-plated Steel DIN 7991
10	Lower Cover	Carbon Steel, Epoxy Coated
11	Bolt Lower Cover	Zinc-plated Steel DIN 931
12	Lower Ring	Bronze/Brass
13	Friction Disc	Zinc-plated Steel
14	Screw	Zinc-plated Steel
15	Nut	Zinc-plated Steel
16	Keyway	Stainless Steel AISI 420
17	Bushing	Steel Bronze PTFE

DN 1200/1600

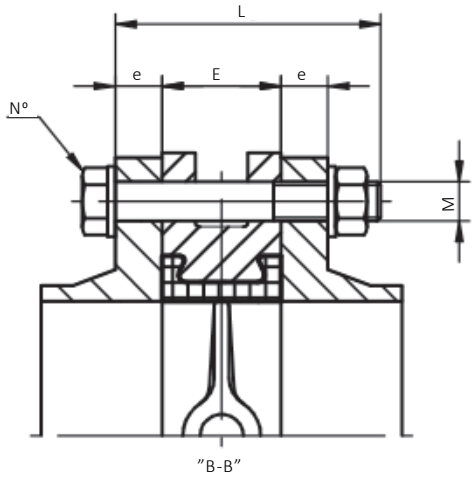
Screw



Link

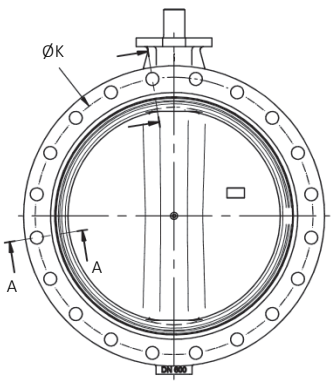


Screw Only



Product code	Size	E	K	e	M	L	L1	N°
FLANU30080MSEENR1603	80	46	160	20	M16	110	130	8
FLANU30100MSEENR1603	100	52	180	20	M16	110	130	8
FLANU30125MSEENR1603	125	56	210	22	M16	120	140	8
FLANU30150MSEENR1603	150	56	240	22	M20	130	150	8
FLANU30200MSEENR1603	200	60	295	24	M20	130	160	12
FLANU30250MSEENR1603	250	68	355	26	M24	150	170	12
FLANU30300MSEENR1603	300	78	410	28	M24	160	180	12
FLANU30350MSEENR1603	350	78	470	30	M24	170	190	16
FLANU30400MSEENR1603	400	102	525	32	M27	200	220	16
FLANU30450MSEENR1603	450	114	585	32	M27	210	240	16
FLANU30500MSEENR1603	500	127	650	34	M30	230	260	20
FLANU30600MSEENR1603	600	154	770	36	M33	260	290	20
FLANU30700MSEENR1603	700	165	840	36	M33	270	300	20
FLANU30750MSEENR1603	750	190	900	38	M33	300	340	20
FLANU30800MSEENR1603	800	190	950	38	M36	310	345	20
FLANU30900MSEENR1603	900	203	1050	40	M36	330	375	24
FLANU31000MSEENR1603	1000	216	1170	42	M39	345	390	24
FLANU31050MSEENR1603	1050	216						
FLANU31100MSEENR1603	1100	216	1270	48	M39	360	400	28
FLANU31200MSEENR1603	1200	254	1390	48	M45	395	445	28
FLANU31400MSEENR1603	1400	280	1590	52	M45	440	490	32
FLANU31500MSEENR1603	1500	318	1710	54	M52	490	550	32
FLANU31600MSEENR1603	1600	318	1820	58	M52	490	550	36

DN 450	PN. 10-PN.16
DN 500	ANSI 150
DN 700/1600	PN. 10-PN.16-ANSI 150



FIVC Butterfly Valve

Ductile Iron – PN 16 – U-flanged – Actuator – Replaceable – Pinless – EN 1092-2



FLANU series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Electrical actuator in Aluminium
- Coating: Epoxy
- USP: Maintenance and installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face acc. to EN 558-1 (Ser.20)
  DIN 3202 T3 K1 - ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16 / Metric
  Shaft: SS AISI 420
- Tests: Hydraulic test acc. to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- General services
- HVAC

Description

FIVC U-flanged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function. Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance.
Furthermore, the valve can by its high quality Bernard Controls actuator be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Ductile Iron
- Alu-Bronze

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

Operation
- 15° notch hand-lever
- Gearbox
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

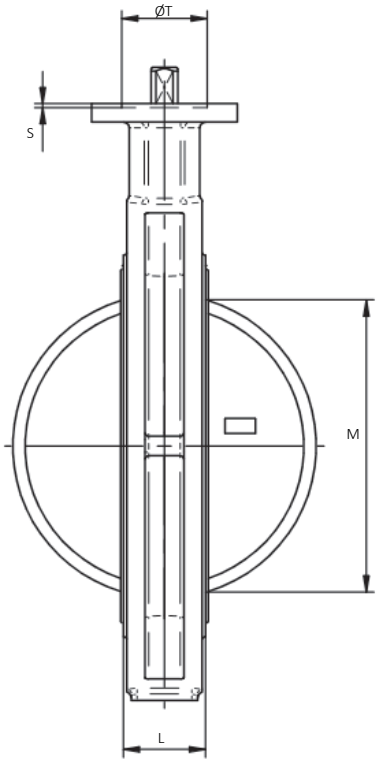
Dimensions

Product code	Size	General dimensions of bare shaft																	
		A	B	C	D	E	E1	F	G	K	L	M	Kg	ISO	Q	R	S	T	Keyway axb
FLANU50080MSEENR1603	80	141	110	10	200	30	16	11	90	160	46	65	5.3	F-07	70	4x9			
FLANU50100MSEENR1603	100	165	115	10	230	30	16	11	90	180	52	90	7.0	F-07	70	4x9			
FLANU50125MSEENR1603	125	180	127	12	255	33	18	14	90	210	56	112	9.5	F-07	70	4x9			
FLANU50150MSEENR1603	150	193	143	12	285	33	18	14	90	240	56	139	11.0	F-07	70	4x9			
FLANU50200MSEENR1603	200	225	173	12	345	33	18	17	90	295	60	191	18.4	F-07	70	4x9			
FLANU50250MSEENR1603	250	283	210	14	406	30	23	22	130	355	68	241	30.8	F-10	102	4x12	3	70	
FLANU50300MSEENR1603	300	308	240	14	480	30	23	22	130	410	78	290	45.3	F-10	102	4x12	3	70	
FLANU50350MSEENR1603	350	339	271	14	535	31		22	160	470	78	338	55.0	F-10	102	4x12	3	70	
FLANU50400MSEENR1603	400	380	308	18	597	31		27	160	525	102	387	80.0	F-12	125	4x14	4	85	
FLANU50450MSEENR1603	450	381	340	20	640	38		36	190	585	114	434	99.9	F-14	140	4x18	4	100	
FLANU50500MSEENR1603	500	433	380	22	700	38		36	210	650	127	478	137	F-14	140	4x18	4	100	
FLANU50600MSEENR1603	600	494	440	24	834	80		60	210	770	154	570	220	F-16	165	4x22	5	130	18x11
FLANU50700MSEENR1603	700	560	485	25	927	106		65	300	840	165	660	282	F-25	254	8x18	5	200	18x11
FLANU50750MSEENR1603	750	590	530	25	995	106		80	300	900	190	705	350	F-25	254	8x18	5	200	22x14
FLANU50800MSEENR1603	800	630	565	29	1060	106		80	300	950	190	763	398	F-25	254	8x18	5	200	22x14
FLANU50900MSEENR1603	900	695	610	32	1170	110		80	350	1050	203	866	511	F-25	254	8x18	5	200	22x14
FLANU51000MSEENR1603	1000	770	675	32	1290	110		80	350	1170	216	966	686	F-25	254	8x18	5	200	22x14
FLANU51050MSEENR1603	1050	770	675	32	1346	110		80	350		216	1010	776	F-25	254	8x18	5	200	22x14
FLANU51100MSEENR1603	1100	815	733	32	1405	110		80	350	1270	216	1054	865	F-25	254	8x18	5	200	22x14
FLANU51200MSEENR1603	1200	875	818	40	1485	110		100	350	1390	254	1153	1072	F-30	298	8x23	5	230	28x16
FLANU51400MSEENR1603	1400	1000	969	35	1735	120		120	415	1590	280	1342	1584	F-30	298	8x23	5	230	28x16
FLANU51500MSEENR1603	1500	1075	1050	40	1855	160		130	475	1710	318	1447	2110	F-40	406	8x39	8	300	32x18
FLANU51600MSEENR1603	1600	1115	1090	40	1930	160		130	475	1820	318	1533	2153	F-40	406	8x39	8	300	32x18

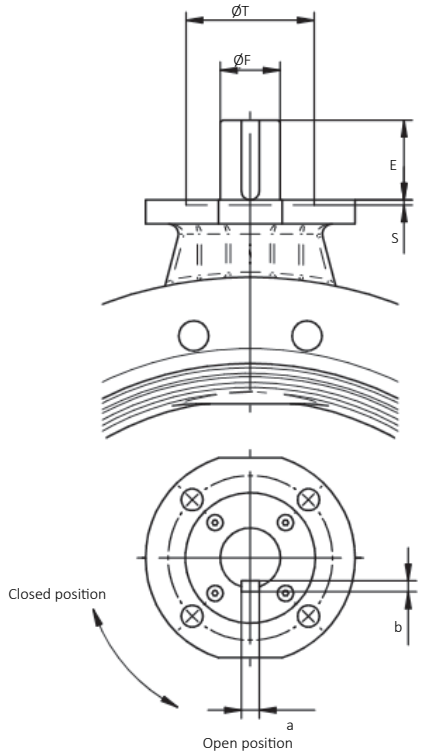
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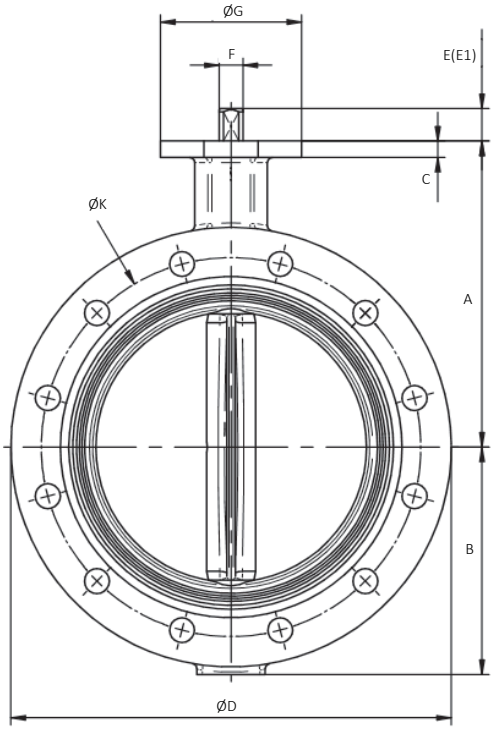
Bare shaft

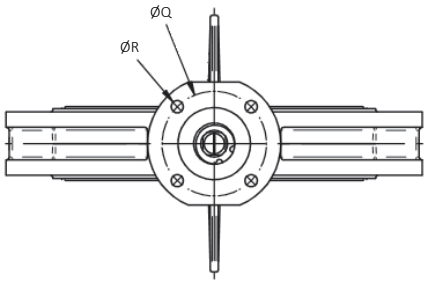
DN 80/500



DN 600/1600







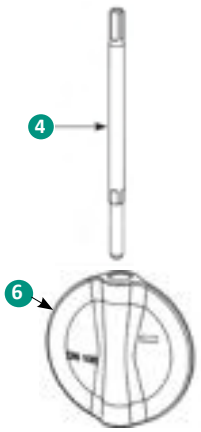
* E1- Short shaft on request

FIVC Butterfly Valve

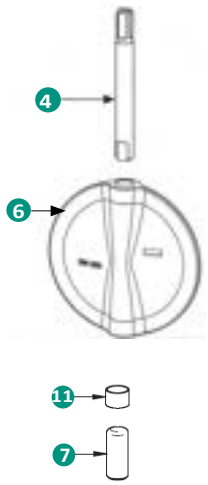
Ductile Iron – PN 16 – U-flanged – Actuator – Replaceable – Pinless – EN 1092-2

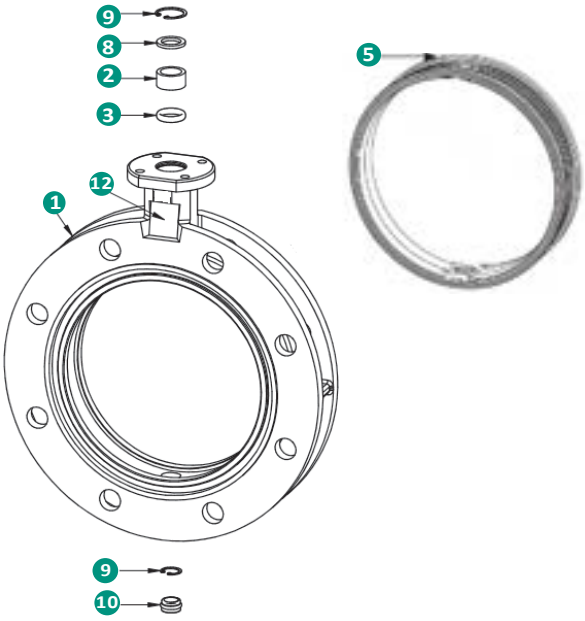
Product Specification

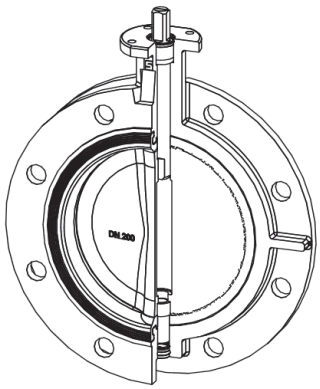
DN 80-100



DN 125-200

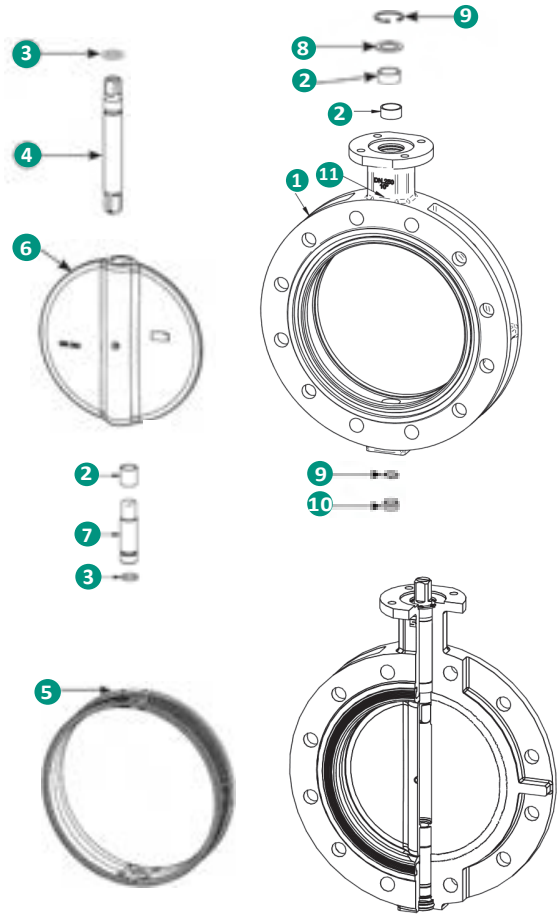






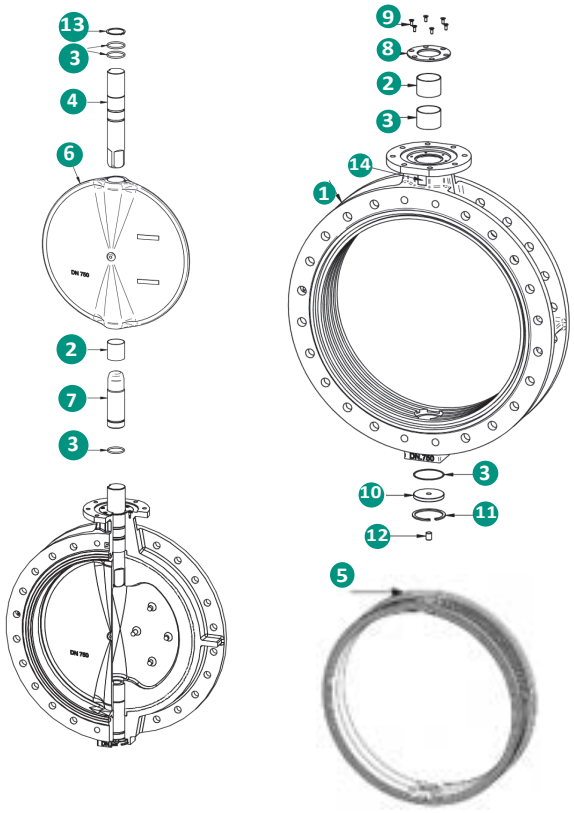
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15, Epoxy
2	Bushing	DN 80-200: Acetal Delrin DN 250-500: Steel, Bronze, PTFE
3	O-Ring	Nitrile
4	Upper Shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Stainless Steel CF8M
7	Lower Shaft	Stainless Steel AISI 420 (DN 125-500)
8	Retaining Ring	Zinc-plated Steel
9	Seeger Ring Body	Zinc-plated Steel DIN 472
10	Lower Plug	EPDM (DN 125 - 500)
11	Bushing	Steel Bronze PTFE
12	Features Tag	Polyester

DN 250-500

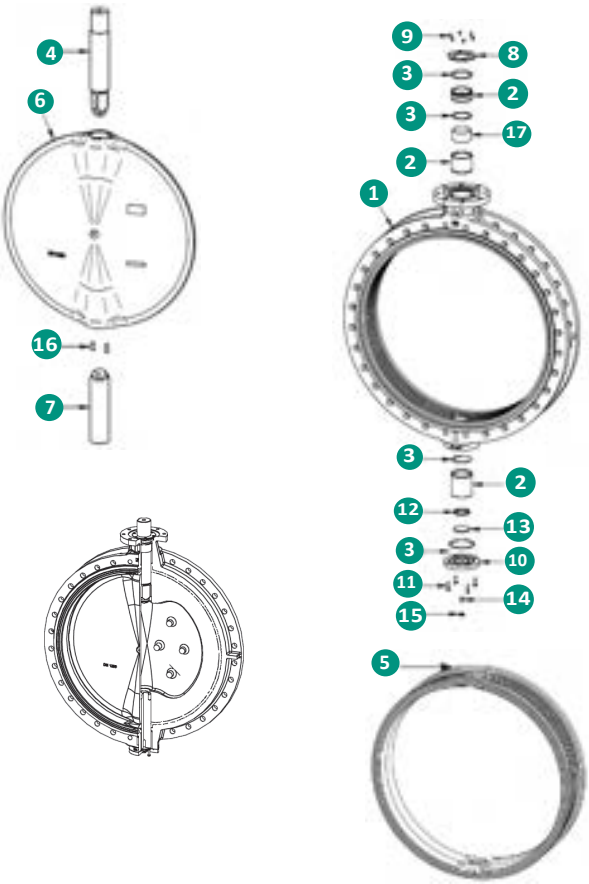


Product Specification

DN 600/1100



DN 1200/1600



DN 600/1100

N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15, Epoxy
2	Bushing	Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper Shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Stainless Steel CF8M
7	Lower Shaft	Stainless Steel AISI 420
8	Upper Cover	Carbon Steel, Epoxy Coated
9	Bolt Upper Cover	Zinc-plated Steel, DIN 7991
10	Lower Cover	Carbon Steel, Epoxy Coated
11	Seeger Ring Body	Zinc-plated Steel DIN 472
12	Screw	Zinc-plated Steel DIN 913 DN 750/1100
13	Retaining Ring Shaft	Zinc-plated Steel DIN 471 DN 600/800
14	Features Tag	Polyester

DN 1200/1600

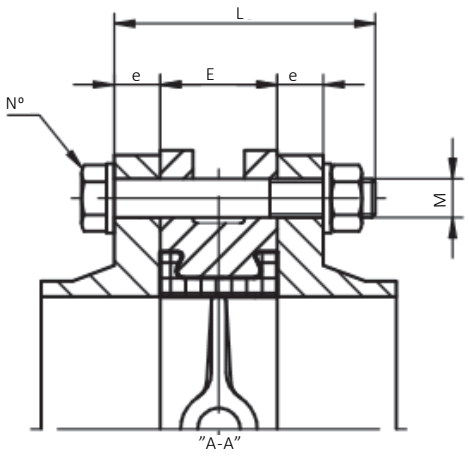
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15, Epoxy
2	Bushing	Bronze/Brass
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Stainless Steel CF8M
7	Lower Shaft	Stainless Steel AISI 420
8	Upper Cover	Carbon Steel, Epoxy Coated
9	Bolt Upper Cover	Zinc-plated Steel DIN 7991
10	Lower Cover	Carbon Steel, Epoxy Coated
11	Bolt Lower Cover	Zinc-plated Steel DIN 931
12	Lower Ring	Bronze/Brass
13	Friction Disc	Zinc-plated Steel
14	Screw	Zinc-plated Steel
15	Nut	Zinc-plated Steel
16	Keyway	Stainless Steel AISI 420
17	Bushing	Steel Bronze PTFE

FIVC Butterfly Valve

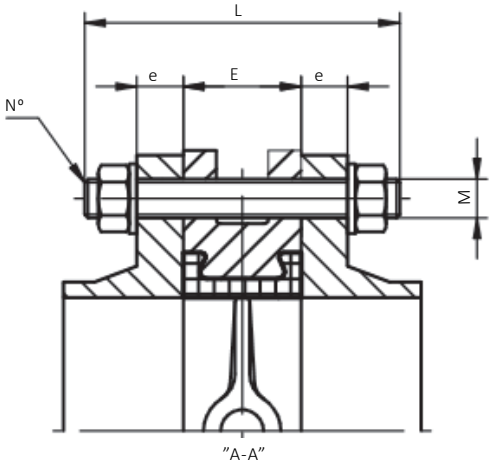
Ductile Iron – PN 16 – U-flanged – Actuator – Replaceable – Pinless – EN 1092-2

DN 1200/1600

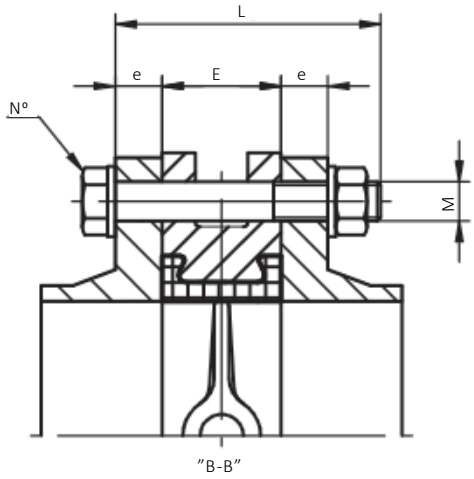
Screw



Link

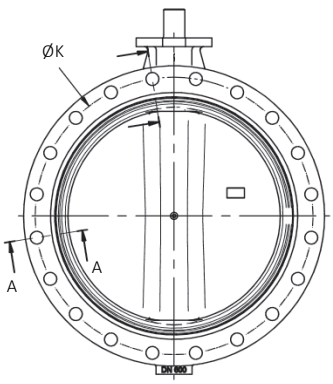


Screw Only



Product code	Size	E	K	e	M	L	L1	N°
FLANU50080MSEENR1603	80	46	160	20	M16	110	130	8
FLANU50100MSEENR1603	100	52	180	20	M16	110	130	8
FLANU50125MSEENR1603	125	56	210	22	M16	120	140	8
FLANU50150MSEENR1603	150	56	240	22	M20	130	150	8
FLANU50200MSEENR1603	200	60	295	24	M20	130	160	12
FLANU50250MSEENR1603	250	68	355	26	M24	150	170	12
FLANU50300MSEENR1603	300	78	410	28	M24	160	180	12
FLANU50350MSEENR1603	350	78	470	30	M24	170	190	16
FLANU50400MSEENR1603	400	102	525	32	M27	200	220	16
FLANU50450MSEENR1603	450	114	585	32	M27	210	240	16
FLANU50500MSEENR1603	500	127	650	34	M30	230	260	20
FLANU50600MSEENR1603	600	154	770	36	M33	260	290	20
FLANU50700MSEENR1603	700	165	840	36	M33	270	300	20
FLANU50750MSEENR1603	750	190	900	38	M33	300	340	20
FLANU50800MSEENR1603	800	190	950	38	M36	310	345	20
FLANU50900MSEENR1603	900	203	1050	40	M36	330	375	24
FLANU51000MSEENR1603	1000	216	1170	42	M39	345	390	24
FLANU51050MSEENR1603	1050	216						
FLANU51100MSEENR1603	1100	216	1270	48	M39	360	400	28
FLANU51200MSEENR1603	1200	254	1390	48	M45	395	445	28
FLANU51400MSEENR1603	1400	280	1590	52	M45	440	490	32
FLANU51500MSEENR1603	1500	318	1710	54	M52	490	550	32
FLANU51600MSEENR1603	1600	318	1820	58	M52	490	550	36

DN 450	PN. 10-PN.16
DN 500	ANSI 150
DN 700/1600	PN. 10-PN.16-ANSI 150



FIVC Butterfly Valve

Ductile Iron – PN 25 – U-Flanged – Actuator – Glued – Pinless – EN 1092-2



MSEE series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Stainless Steel
- Stem: Stainless Steel
- Seat: Glued EPDM
- Operation: Electrical actuator in Ductile Iron
- Coating: Epoxy RAL 5015 *(120 µ)*
- Dimensions: Face-to-Face acc. to EN 558-1 *(series 20)*
- Design: EN 593
- Type: Drilling: PN 25
  Shaft: SS AISI 420/1.4469
  Thread: Metric
- Hydrostatic test: EN 12266-1
  Resistance: Open valve: 37.5 Kg/cm^3
  Closed valve: 27.5 kg/cm^3

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 25 bar

- Naval industries
- Water treatment
- Filtration systems
- Water distribution
- Cooling systems

Description

FIVC Motorized U-Flanged Butterfly Valve with its glued seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function.

Since the valve is pinless, the disc is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance. Furthermore, the valve can by its high quality actuator be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Alu Bronze
- Ductile Iron

Construction
- w/Pin

Seat
- Vulcanized
- Replaceable

Operation
- 15° notch hand-lever
- Gearbox
- Other operations upon request

Drilling
- PN 16
- PN 20
- ANSI 150

PN
- PN 16 (w/pin)
- PN 20 (w/pin)

Size
- DN 40+

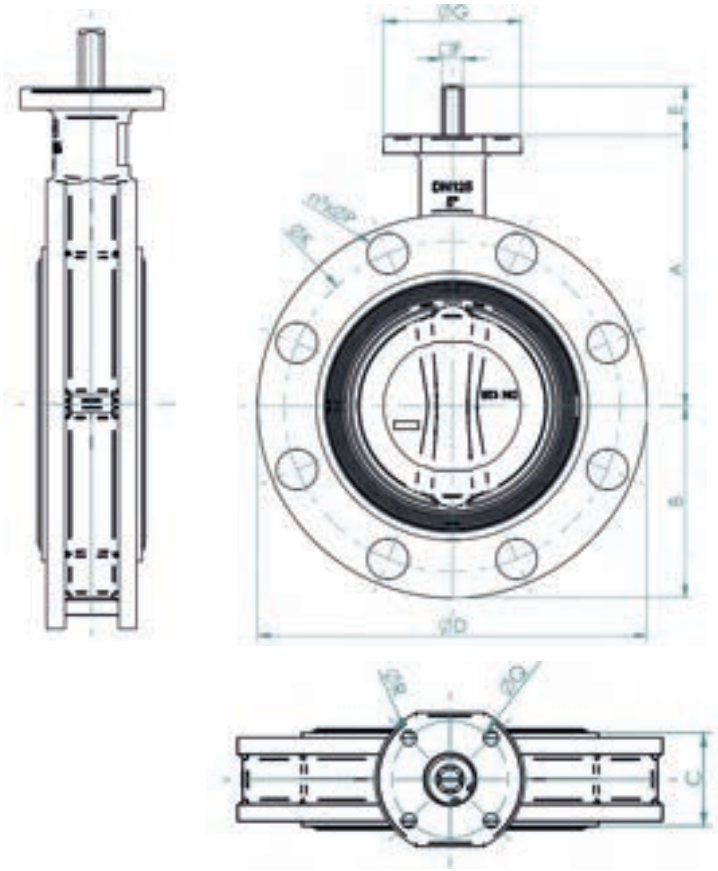
Dimensions of the bare shaft

Product code	Size	General dimensions of bare shaft															
		A	B	C	ØD	E	F	ØG	ØK	n°xØP	ISO	ØQ	ØR	M	C1	S	ØT
FLANU50080MSEENG2509	80	141	110	46	200	30	11	90	160	8xØ18	F-07	70	4x9	65	10	-	-
FLANU50100MSEENG2509	100	165	115	52	230	30	11	90	190	8xØ23	F-07	70	4x9	90	10	-	-
FLANU50125MSEENG2509	125	180	127	56	255	33	14	90	220	8xØ27	F-07	70	4x9	112	12	-	-
FLANU50150MSEENG2509	150	193	143	56	285	33	14	90	250	8xØ27	F-07	70	4x9	139	12	-	-
FLANU50200MSEENG2509	200	225	173	60	345	33	17	90	310	12xØ27	F-07	70	4x9	191	12	-	-
FLANU110250MSEENG2509	250	282.5	210	68	406	30	22	130	370	12xØ30	F-10	102	4x12	241	14	3	70
FLANU110300MSEENG2509	300	308	240	78	480	30	22	130	430	16xØ30	F-10	102	4x12	290	14	3	70
FLANU110350MSEEPG2509	350	338.5	281.5	78	535	31	27	160	490	16xØ33	F-12	125	4x12	338	14	3	70
FLANU110400MSEEPG2509	400	380	318.5	102	597	31	27	160	550	16xØ36	F-12	125	4x13	387	18	4	85

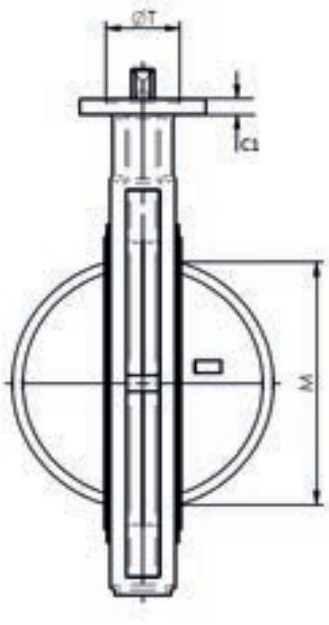
Dimensions are in millimeters

Dimensions of the bare shaft

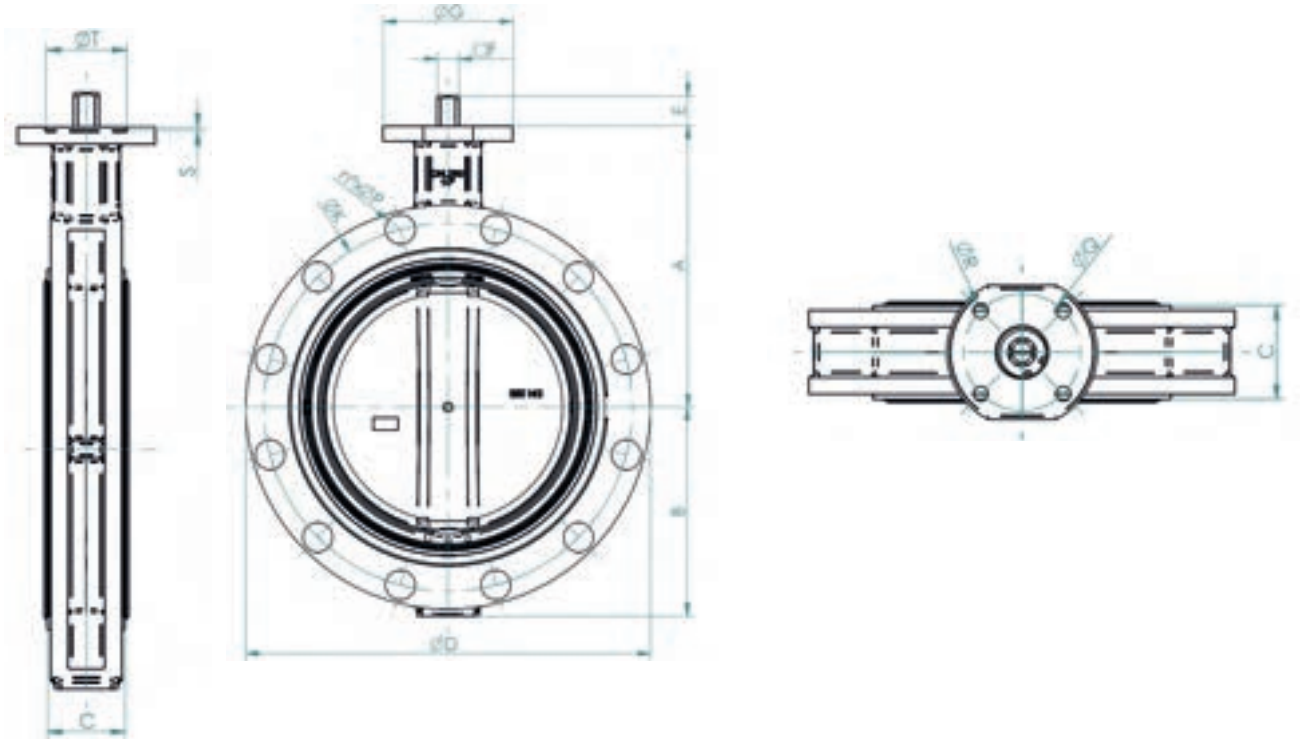
DN 80-200



DN 80-400

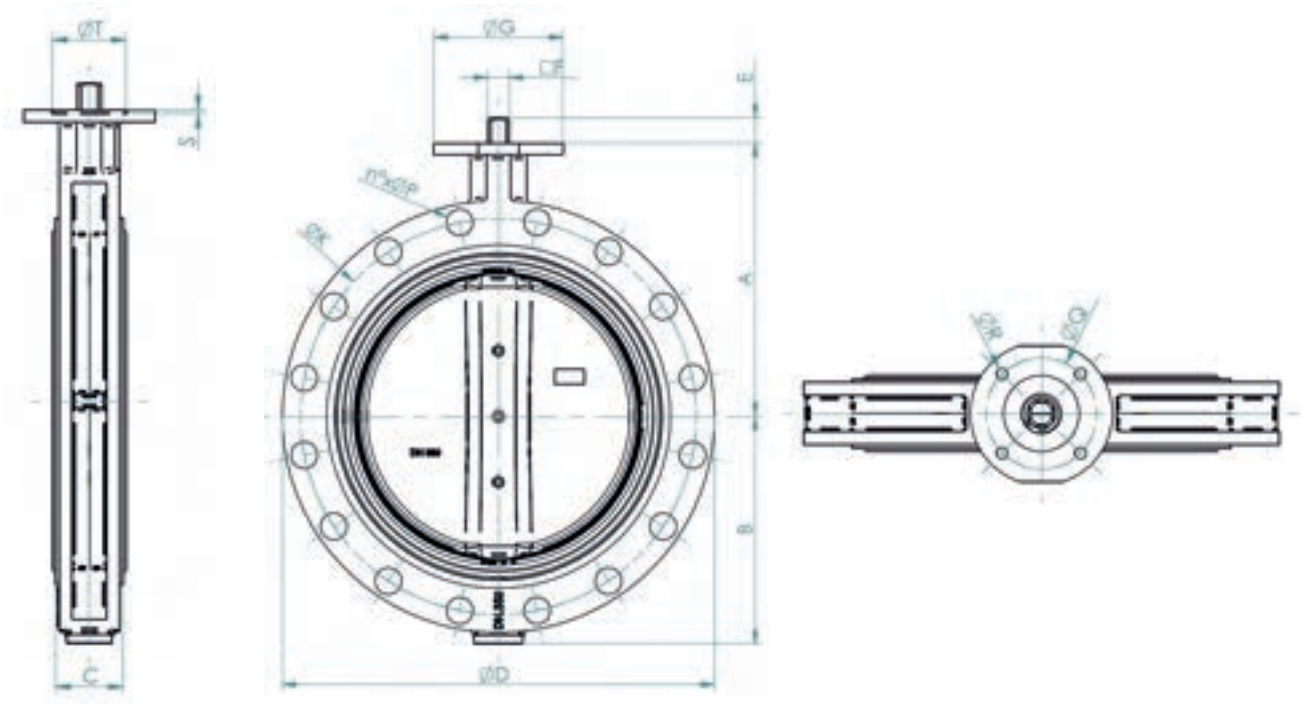


DN 250-300

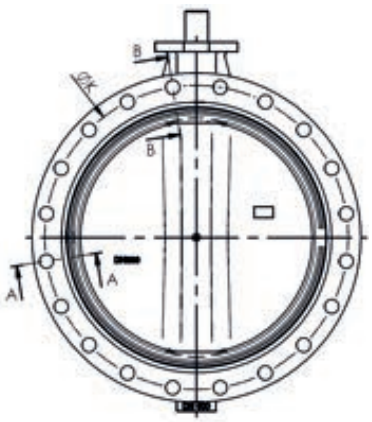


Dimensions of the bare shaft

DN 350-400

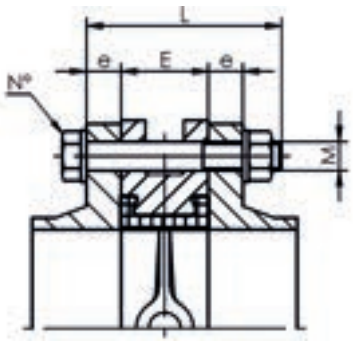


Screw assembly

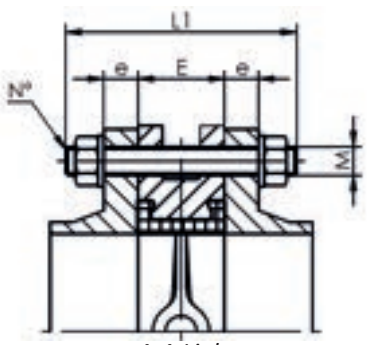


Product code	Size	E	K	e	M	L	L1	N°
FLANU50080MSEENG2509	80	46	160	20	M16	110	130	8
FLANU50100MSEENG2509	100	52	180	20	M16	110	130	8
FLANU50125MSEENG2509	125	56	210	22	M16	120	140	8
FLANU50150MSEENG2509	150	56	240	22	M20	130	150	8
FLANU50200MSEENG2509	200	60	295	24	M20	130	160	12
FLANU110250MSEENG2509	250	68	355	26	M24	150	170	12
FLANU110300MSEENG2509	300	78	410	28	M24	160	180	12
FLANU110350MSEEPG2509	350	78	470	30	M24	170	190	16
FLANU110400MSEEPG2509	400	102	525	32	M27	200	220	16

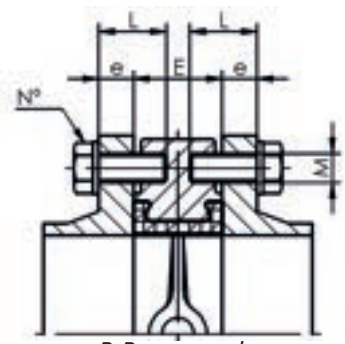
Dimensions are in millimeters



A-A screw



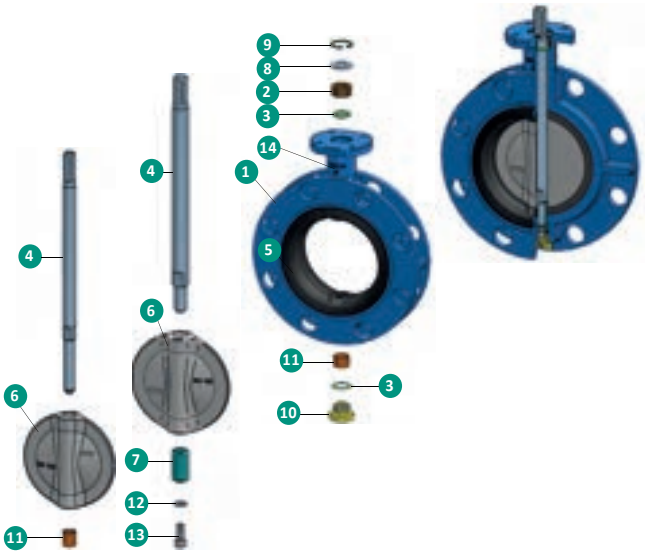
A-A Link



B-B screw only

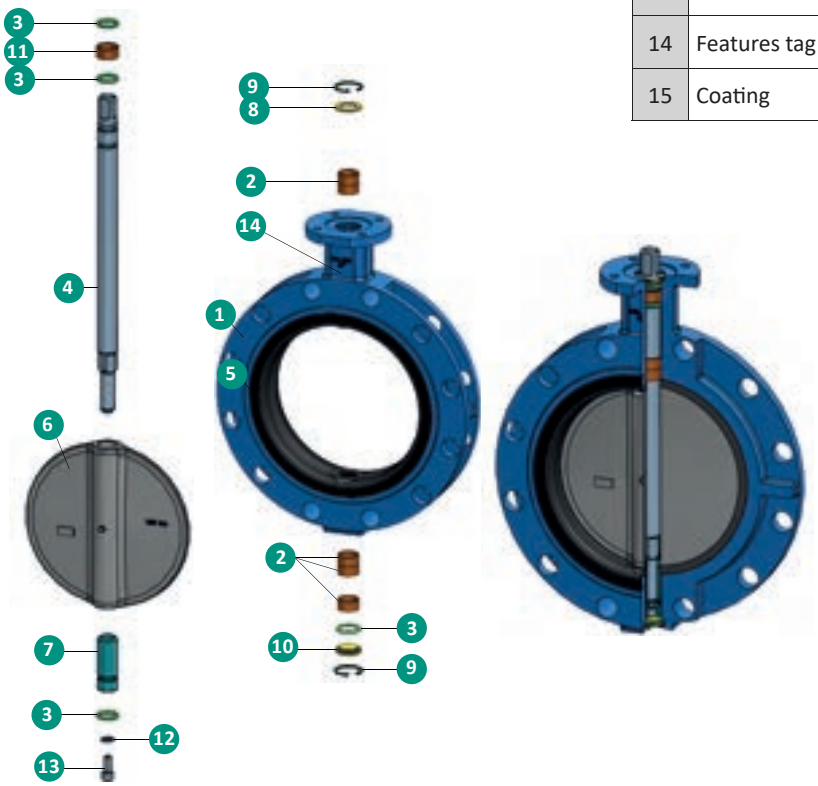
Product Specification

DN 80-100 **DN 125-200**



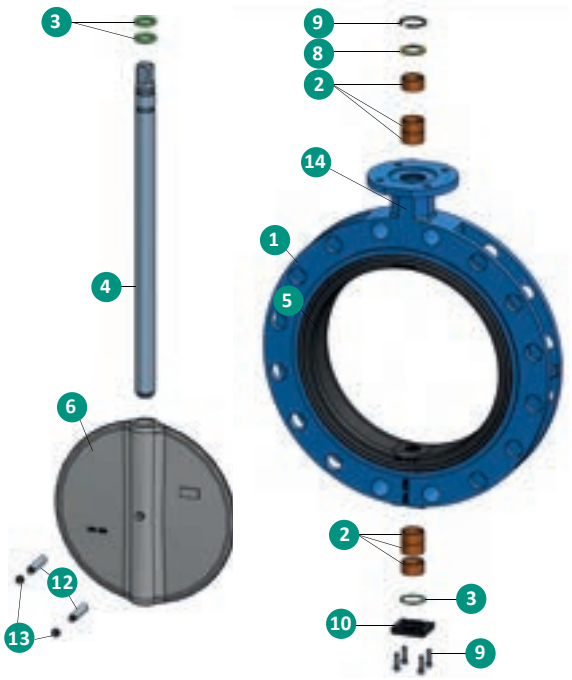
N°	Name	Material
1	Body	Ductile Iron GJS-400-15 EN 1563
2	Bushing	DN 80-200: Bronze-Brass DN 250-300: Steel-Bz-PTFE 6 Pcs.
3	O-Ring	Nitrile DN 80-100: 1 pcs. DN 125-200: 2 pcs. DN 250-300: 4 pcs.
4	Upper shaft	DN 80-100: Stainless Steel AISI 420 DN 125-300: Stainless Steel 1.4542
5	Seat	Glued EPDM
6	Disc	DN 80-200: Stainless Steel A 351 Gr. CF8M DN 250-300: Super Duplex 1.4469
7	Lower shaft	DN 125-300: Stainless Steel 1.4542
8	Retaining ring	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel DIN 472 DN 80-200: 1 pcs. DN 250-300: 2 pcs.
10	Lower plug	DN 125-300: Stainless Steel AISI 420
11	Bushing	Stainless Steel-Bronze-PTFE
12	Spring lockwasher	Stainless Steel AISI 304 DIN 127 DN 125-200: 2 pcs. DN 250-300: 1 pcs.
13	Screw	DN 125-300: Stainless Steel AISI 304 DIN 912
14	Features tag	Polyester
15	Coating	Epoxy RAL 5015 - 120 µ

DN 250-300



Product Specification

DN 350-400





N°	Name	Material
1	Body	Ductile Iron GJS-400-15 EN 1563
2	Bushing	Steel-Bz-PTFE 6 Pcs.
3	O-Ring	Nitrile 2 pcs.
4	Shaft	Stainless Steel 1.4542
5	Seat	Glued EPDM
6	Disc	Super Duplex 1.4469
7	O-Ring	Nitrile
8	Retaining ring shaft	Zinc-plated Steel
9	Seeger ring	Zinc-plated Steel DIN 472 2 pcs.
10	Lower plug	Zinc-plated Steel
11	Bolt	Zinc-plated Steel DIN 912 4 pcs.
12	Conical pin	Suplex 1.4462 2 pcs.
13	Nut	Stainless Steel AISI 316 DIN 934 2 pcs.
14	Features tag	Polyester
15	Coating	Epoxy RAL 5015 - 120 µ

FIVC Butterfly Valve

Ductile Iron – PN 16 – U-flanged – Actuator – Replaceable – Pinless – EN 1092-2



FLANU series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Alu-Bronze
- Stem: Stainless Steel
- Seat: Replaceable EPDM
- Operation: Electrical actuator in Aluminium
- Coating: Epoxy
- USP: Maintenance and installation efficient
- Standard: BS EN 593
  Top flange acc. to ISO 5211/NFE 29-402
- Dimensions: Face-to-Face acc. to EN 558-1 (Ser.20)
  DIN 3202 T3 K1 - ISO 5752 T5 API 609
  BS 5155 series *(except DN 350)*
- Type: Drilling: PN 16 / Metric
  Shaft: SS AISI 420
- Tests: Hydraulic test acc. to 12266/ISO 5208

Field of applications

- Temperature range: -20 to 110 °C
- Max. working pressure: 16 bar

- Water treatment plants and Water distribution
- General services
- HVAC

Description

FIVC U-flanged Butterfly Valve with its replaceable seat is designed to be installed in pipelines for isolating or regulating purposes. With its high quality rotational disc, the valve features quick shut-off function. Since the valve is pinless, the component is easy to be changed and be maintained at a low cost. Besides, its pinless construction leads to good corrosion resistance.
Furthermore, the valve can by its high quality Bernard Controls actuator be closed and opened precisely because of the non-gap between the shaft and disc.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Alternative Product Versions

Disc
- Stainles Steel
- Ductile Iron

Construction
- w/Pin

Seat
- Vulcanized
- Other seats upon request

Operation
- 15° notch hand-lever
- Gearbox
- Other operations upon request

Drilling
- PN 20
- PN 25
- ANSI 150

PN
- PN 20 (w/pin)
- PN 25 (w/pin)

Size
- DN 40+

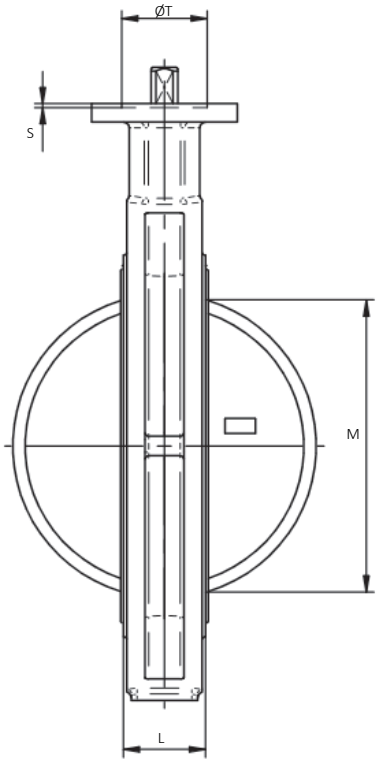
Dimensions

Product code	Size	General dimensions of bare shaft																	
		A	B	C	D	E	E1	F	G	K	L	M	Kg	ISO	Q	R	S	T	Keyway axb
FLANU40080MSEENR1603	80	141	110	10	200	30	16	11	90	160	46	65	5.3	F-07	70	4x9			
FLANU40100MSEENR1603	100	165	115	10	230	30	16	11	90	180	52	90	7.0	F-07	70	4x9			
FLANU40125MSEENR1603	125	180	127	12	255	33	18	14	90	210	56	112	9.5	F-07	70	4x9			
FLANU40150MSEENR1603	150	193	143	12	285	33	18	14	90	240	56	139	11.0	F-07	70	4x9			
FLANU40200MSEENR1603	200	225	173	12	345	33	18	17	90	295	60	191	18.4	F-07	70	4x9			
FLANU40250MSEENR1603	250	283	210	14	406	30	23	22	130	355	68	241	30.8	F-10	102	4x12	3	70	
FLANU40300MSEENR1603	300	308	240	14	480	30	23	22	130	410	78	290	45.3	F-10	102	4x12	3	70	
FLANU40350MSEENR1603	350	339	271	14	535	31		22	160	470	78	338	55.0	F-10	102	4x12	3	70	
FLANU40400MSEENR1603	400	380	308	18	597	31		27	160	525	102	387	80.0	F-12	125	4x14	4	85	
FLANU40450MSEENR1603	450	381	340	20	640	38		36	190	585	114	434	99.9	F-14	140	4x18	4	100	
FLANU40500MSEENR1603	500	433	380	22	700	38		36	210	650	127	478	137	F-14	140	4x18	4	100	
FLANU40600MSEENR1603	600	494	440	24	834	80		60	210	770	154	570	220	F-16	165	4x22	5	130	18x11
FLANU40700MSEENR1603	700	560	485	25	927	106		65	300	840	165	660	282	F-25	254	8x18	5	200	18x11
FLANU40750MSEENR1603	750	590	530	25	995	106		80	300	900	190	705	350	F-25	254	8x18	5	200	22x14
FLANU40800MSEENR1603	800	630	565	29	1060	106		80	300	950	190	763	398	F-25	254	8x18	5	200	22x14
FLANU40900MSEENR1603	900	695	610	32	1170	110		80	350	1050	203	866	511	F-25	254	8x18	5	200	22x14
FLANU41000MSEENR1603	1000	770	675	32	1290	110		80	350	1170	216	966	686	F-25	254	8x18	5	200	22x14
FLANU41050MSEENR1603	1050	770	675	32	1346	110		80	350		216	1010	776	F-25	254	8x18	5	200	22x14
FLANU41100MSEENR1603	1100	815	733	32	1405	110		80	350	1270	216	1054	865	F-25	254	8x18	5	200	22x14
FLANU41200MSEENR1603	1200	875	818	40	1485	110		100	350	1390	254	1153	1072	F-30	298	8x23	5	230	28x16
FLANU41400MSEENR1603	1400	1000	969	35	1735	120		120	415	1590	280	1342	1584	F-30	298	8x23	5	230	28x16
FLANU41500MSEENR1603	1500	1075	1050	40	1855	160		130	475	1710	318	1447	2110	F-40	406	8x39	8	300	32x18
FLANU41600MSEENR1603	1600	1115	1090	40	1930	160		130	475	1820	318	1533	2153	F-40	406	8x39	8	300	32x18

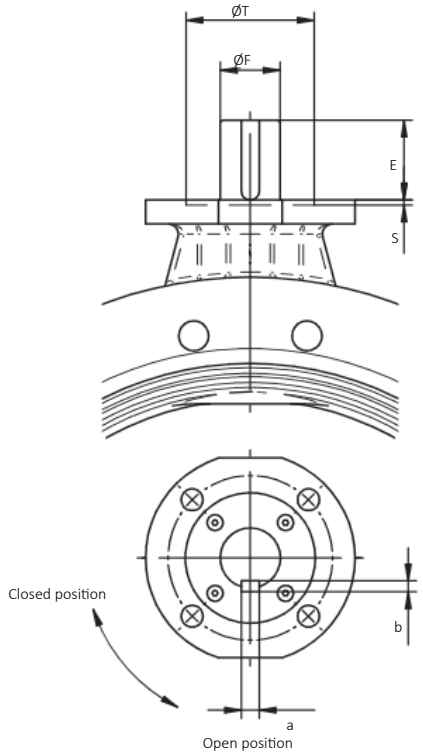
Dimensions

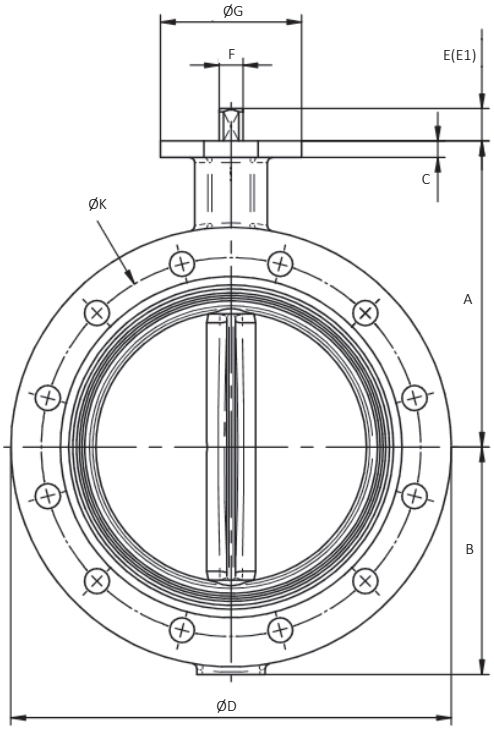
Bare shaft

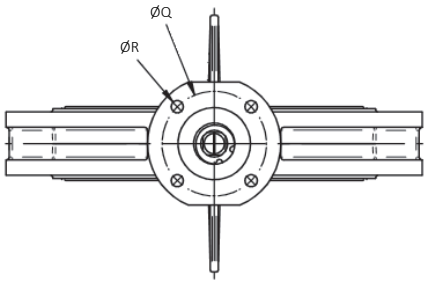
DN 80/500



DN 600/1600



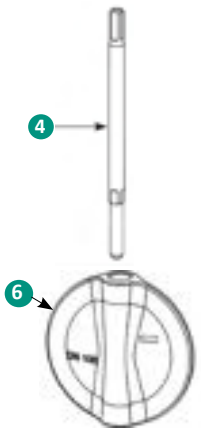




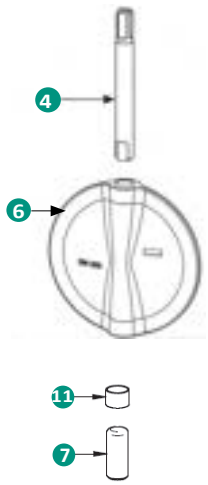
* E1- Short shaft on request

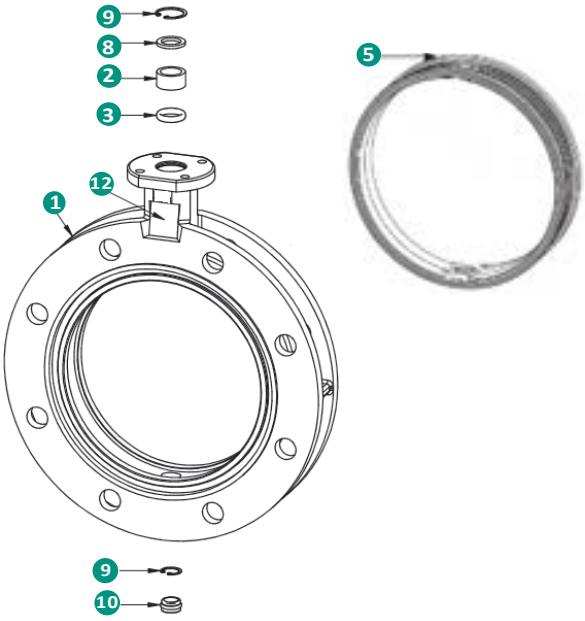
Product Specification

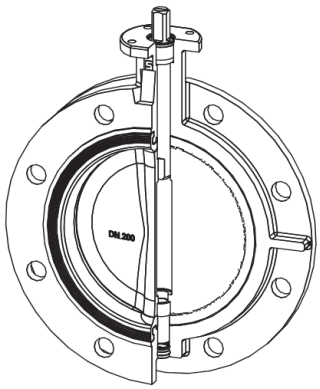
DN 80-100



DN 125-200

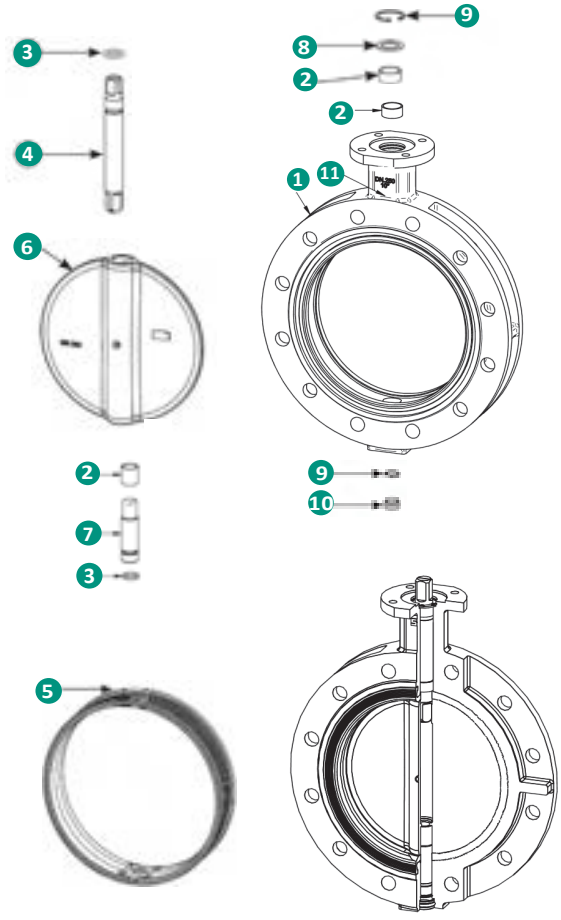






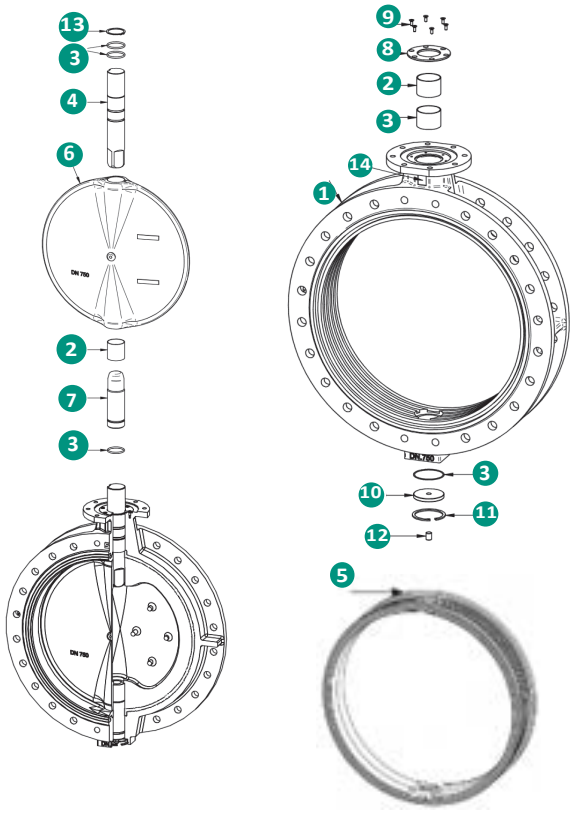
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15, Epoxy
2	Bushing	DN 80-200: Acetal Delrin DN 250-500: Steel, Bronze, PTFE
3	O-Ring	Nitrile
4	Upper Shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Alu-Bronze CC480K/CC333G DN 350+: CC333G
7	Lower Shaft	Stainless Steel AISI 420 (DN 125-500)
8	Retaining Ring	Zinc-plated Steel
9	Seeger Ring Body	Zinc-plated Steel DIN 472
10	Lower Plug	EPDM (DN 125 - 500)
11	Bushing	Steel Bronze PTFE
12	Features Tag	Polyester

DN 250-500

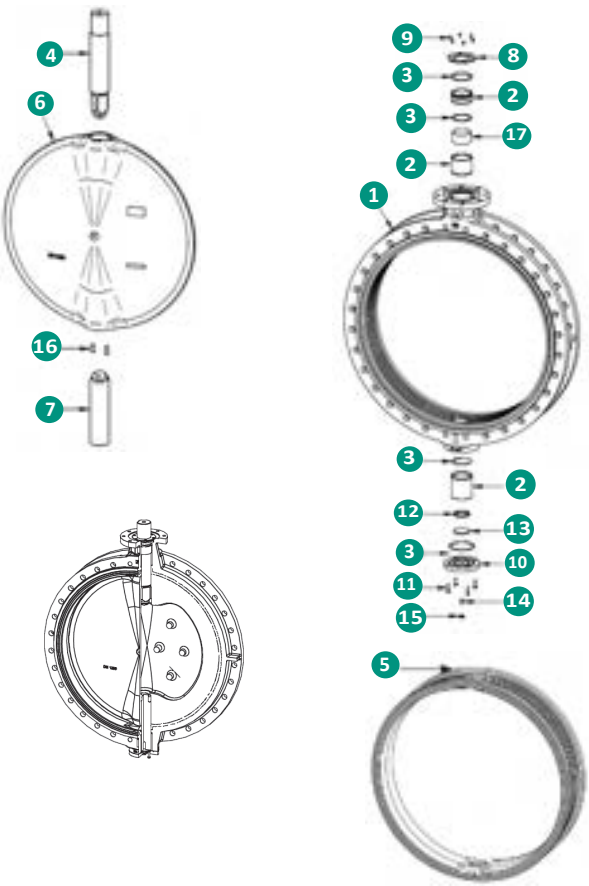


Product Specification

DN 600/1100



DN 1200/1600



DN 600/1100

N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15, Epoxy
2	Bushing	Steel Bronze PTFE
3	O-Ring	Nitrile
4	Upper Shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Alu-Bronze CC333G
7	Lower Shaft	Stainless Steel AISI 420
8	Upper Cover	Carbon Steel, Epoxy Coated
9	Bolt Upper Cover	Zinc-plated Steel, DIN 7991
10	Lower Cover	Carbon Steel, Epoxy Coated
11	Seeger Ring Body	Zinc-plated Steel DIN 472
12	Screw	Zinc-plated Steel DIN 913 DN 750/1100
13	Retaining Ring Shaft	Zinc-plated Steel DIN 471 DN 600/800
14	Features Tag	Polyester

DN 1200/1600

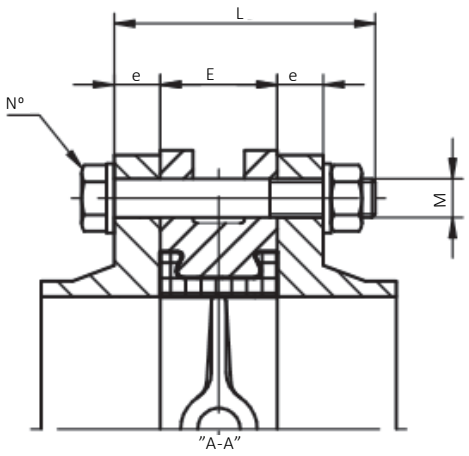
N°	Name	Material
1	Body	Ductile Iron EN-GJS-400-15, Epoxy
2	Bushing	Bronze/Brass
3	O-Ring	Nitrile
4	Upper shaft	Stainless Steel AISI 420
5	Seat	Replaceable EPDM
6	Disc	Alu-Bronze CC333G
7	Lower Shaft	Stainless Steel AISI 420
8	Upper Cover	Carbon Steel, Epoxy Coated
9	Bolt Upper Cover	Zinc-plated Steel DIN 7991
10	Lower Cover	Carbon Steel, Epoxy Coated
11	Bolt Lower Cover	Zinc-plated Steel DIN 931
12	Lower Ring	Bronze/Brass
13	Friction Disc	Zinc-plated Steel
14	Screw	Zinc-plated Steel
15	Nut	Zinc-plated Steel
16	Keyway	Stainless Steel AISI 420
17	Bushing	Steel Bronze PTFE

FIVC Butterfly Valve

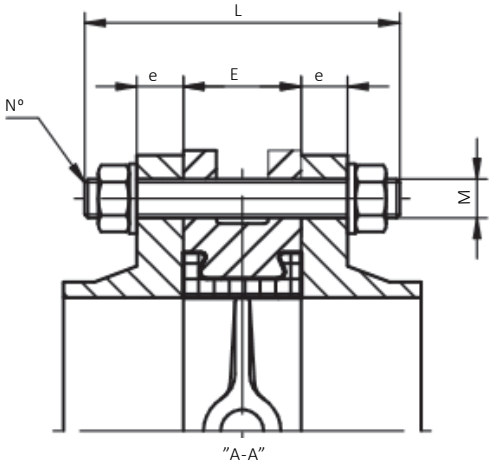
Ductile Iron – PN 16 – U-flanged – Actuator – Replaceable – Pinless – EN 1092-2

DN 1200/1600

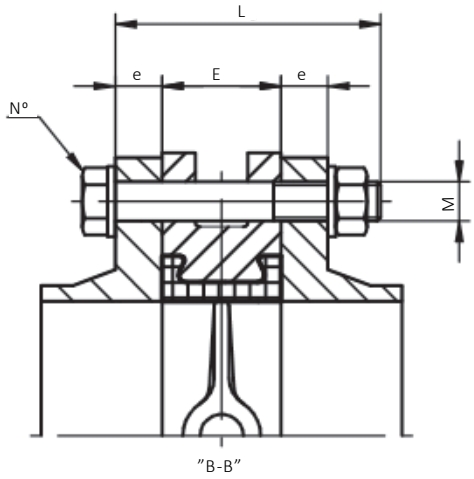
Screw



Link

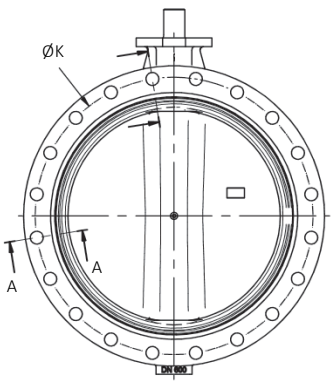


Screw Only



Product code	Size	E	K	e	M	L	L1	N°
FLANU40080MSEENR1603	80	46	160	20	M16	110	130	8
FLANU40100MSEENR1603	100	52	180	20	M16	110	130	8
FLANU40125MSEENR1603	125	56	210	22	M16	120	140	8
FLANU40150MSEENR1603	150	56	240	22	M20	130	150	8
FLANU40200MSEENR1603	200	60	295	24	M20	130	160	12
FLANU40250MSEENR1603	250	68	355	26	M24	150	170	12
FLANU40300MSEENR1603	300	78	410	28	M24	160	180	12
FLANU40350MSEENR1603	350	78	470	30	M24	170	190	16
FLANU40400MSEENR1603	400	102	525	32	M27	200	220	16
FLANU40450MSEENR1603	450	114	585	32	M27	210	240	16
FLANU40500MSEENR1603	500	127	650	34	M30	230	260	20
FLANU40600MSEENR1603	600	154	770	36	M33	260	290	20
FLANU40700MSEENR1603	700	165	840	36	M33	270	300	20
FLANU40750MSEENR1603	750	190	900	38	M33	300	340	20
FLANU40800MSEENR1603	800	190	950	38	M36	310	345	20
FLANU40900MSEENR1603	900	203	1050	40	M36	330	375	24
FLANU41000MSEENR1603	1000	216	1170	42	M39	345	390	24
FLANU41050MSEENR1603	1050	216						
FLANU41100MSEENR1603	1100	216	1270	48	M39	360	400	28
FLANU41200MSEENR1603	1200	254	1390	48	M45	395	445	28
FLANU41400MSEENR1603	1400	280	1590	52	M45	440	490	32
FLANU41500MSEENR1603	1500	318	1710	54	M52	490	550	32
FLANU41600MSEENR1603	1600	318	1820	58	M52	490	550	36

DN 450	PN. 10-PN.16
DN 500	ANSI 150
DN 700/1600	PN. 10-PN.16-ANSI 150



STATIC BALANCING VALVES

Feature	Designed for precise flow regulation and efficient system balancing, ensuring optimal media distribution for thermal comfort and energy efficiency.
Corrosion resistance	Exhibits exceptional resistance to corrosion, ensuring reliability and longevity even in corrosive environments.
Green responsibility	Maintains balanced system, minimizing energy consumption and lower carbon emissions. Prevents overflows or uneven media distribution precenting media wastage and reducing the strain on natural resources.
Space optimizer	Designed with compact dimensions to minimize space requirements and facilitate easier installation in crowded environments.





- Efficient flow distribution – system balance
- Excellent flow regulation and shut-off
- Accurate flow measurement
- Eliminating unnecessary energy consumption

WRAS APPROVED PRODUCT

Available as

Fixed orifice

Variable orifice

ISH 2025

FIVC Static Balancing Valve

Bronze – PN 25 – Fixed Orifice – WRAS – ISO 228-1



FSB series

Technical data

Main features and materials

• Body:	Bronze
• Bonnet:	DZR Brass
• Disc:	DZR Brass
• Stem:	DZR Brass
• Handwheel:	PA, Black coated
• USP:	WRAS approval
	Compact settlement
	Environment-friendly

Field of applications

• Max. temperature:	120 °C
• Max. working pressure:	25 bar

- Hot and cold water plants
- Compressed air plants
- Industrial Technologies
- Heat and refrigerating
- Engineering and air-conditioning

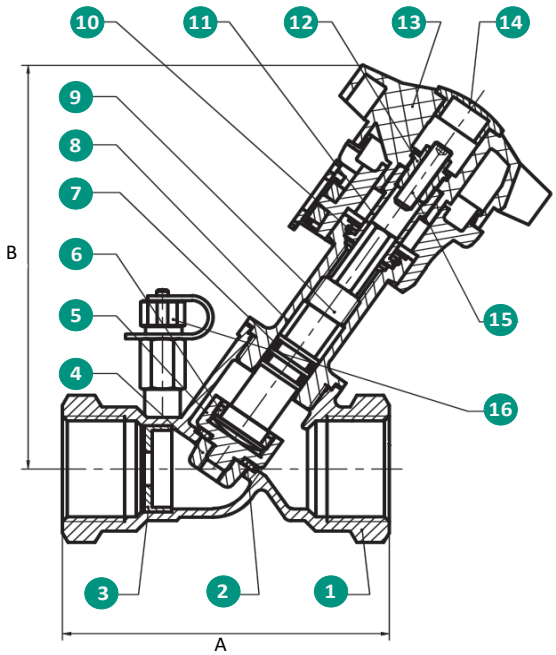
Description

FIVC Static Balancing Valve is designed with integrated pressure probes to determine the flow rate through integrated fixed orifice. The valve offers an accuracy of ± 5 pct. on all settings, for precise flow regulation. The valve controls hydraulic medium flow at HVAC plants and ensures load balance, hence contributes to energy and cost savings. Further, the FIVC Balancing Valve does, through its reduction of media flow speed, prevents the water hammer phenomenon.
The valve can be used for water.

Declaration

The product has been manufactured and tested in accordance with the Sound Engineering Practice SEP.
Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).
The product is WRAS approved.

Dimensions



Product code	Size (DN)	A*	B*	Kg
FSB015O25GF21	15	87	105	0.58
FSB020O25GF21	20	96	106	0.65
FSB025O25GF21	25	100	127	0.89
FSB032O25GF21	32	114	128	1.11
FSB040O25GF21	40	125	143	1.46
FSB050O25GF21	50	146	144	1.98

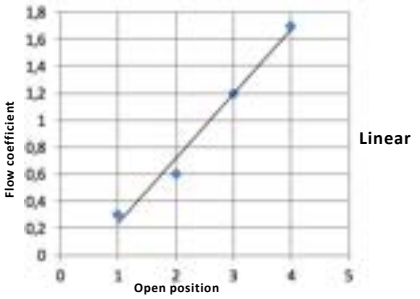
**Dimensions are in millimeters*

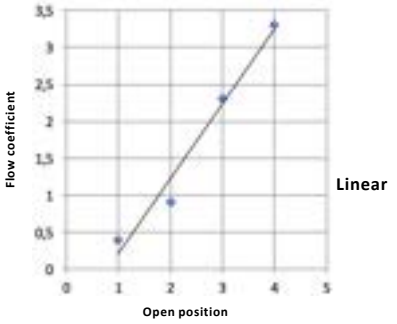
N°	Name	Material
1	Body	Bronze CC491K BS EN 1982
2	Disc face	DN 15-20: DZR Brass CW602N BS EN 12164 DN 25-50: PTFE
3	Orifice plate	DZR Brass CW602N BS EN 12164
4	Nut	DZR Brass CW602N BS EN 12164
5	Disc	DZR Brass CW602N BS EN 12164
6	Disc retaining ring	DZR Brass CW602N BS EN 12164
7	O-Ring	NBR
8	Bonnet	DN 15-32: DZR Brass CW602N BS EN 12164 DN 40-50: Bronze CC491K BS EN 1982
9	Stem	DZR Brass CW602N BS EN 12164
10	Retainer ring	Stainless Steel SS 304
11	Sleeve	DZR Brass CW617N BS EN 12164
12	Screw	DZR Brass CW617N BS EN 12164
13	Handwheel	PA
14	Cap	PA
15	Screw	Stainless Steel SS 304
16	Test points	DZR Brass CW602N BS EN 12164

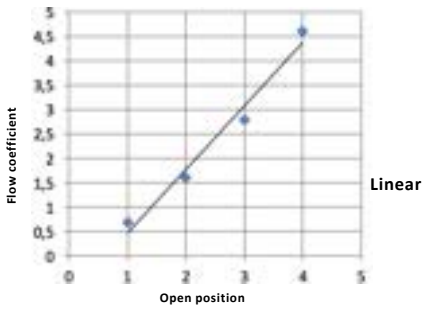
FIVC Static Balancing Valve

Bronze – PN 25 – Fixed Orifice – WRAS – ISO 228-1

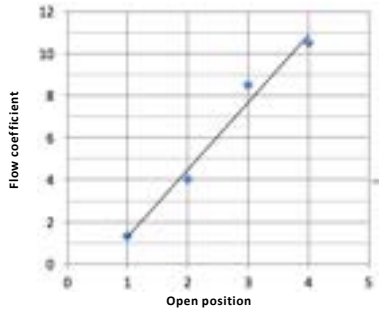
Kv Values (m^3/h)

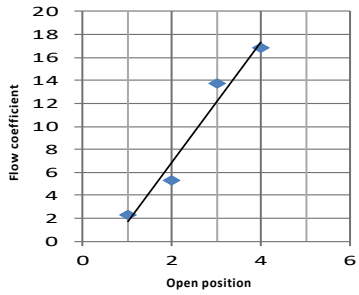
FSB DN 15	Setting	Kv (m^3/h)
	1	0.3
	2	0.6
	3	1.2
	4	1.7

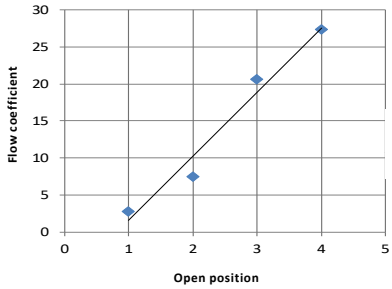
FSB DN 20	Setting	Kv (m^3/h)
	1	0.4
	2	0.9
	3	2.3
	4	3.3

FSB DN 25	Setting	Kv (m^3/h)
	1	0.7
	2	1.6
	3	2.8
	4	4.6

Kv Values (m³/h)

FSB DN 32	Setting	Kv (m³/h)
 Linear	1	1.3
	2	4
	3	8.5
	4	10.5

FSB DN 40	Setting	Kv (m³/h)
 Linear	1	2.3
	2	5.3
	3	13.7
	4	16.8

FSB DN 50	Setting	Kv (m³/h)
 Linear	1	2.79
	2	7.5
	3	20.63
	4	27.37

Flowrate calculation

The flow rate Q can be determined with the following formula:

$$Q = Kv_{venturi} \bullet \sqrt{\Delta p}$$

Refer to the $Kv_{venturi}$ values included in the table: Δp has to be measured through the pressure outlets.Use the following formula for the liquids having density p different from water:

$$Q = Kv_{venturi} \bullet \sqrt{\Delta p/p}$$

FIVC Static Balancing Valve

Ductile Iron – PN 16 – Fixed Orifice – WRAS – EN 1092-2



FSB series

Technical data

Main features and materials

- Body: Ductile Iron
- Bonnet: Ductile Iron
- Disc: Ductile Iron - WRAS EPDM
- Stem: Stainless Steel
- Handwheel: Ductile Iron
- Dimensions: Face-to-Face acc. to BS 7350:1990
- Drilling: EN 1092-2 PN 16
- Standard: BS EN 12266-1.2003
- Testing: Shell pressure: 2.4 MPa
  Seat pressure: 1.76 MPa
- UPS: WRAS-approved.
  Hydraulic system balance
  Energy- and temperature optimzation

Field of applications

- Temperature range: -10 to 85°C
- Max. working pressure: 16 bar
- Accuracy of flow measurement: ±5%

- HVAC
- Cooling system
- Drinking water
- Oil distribution

Description

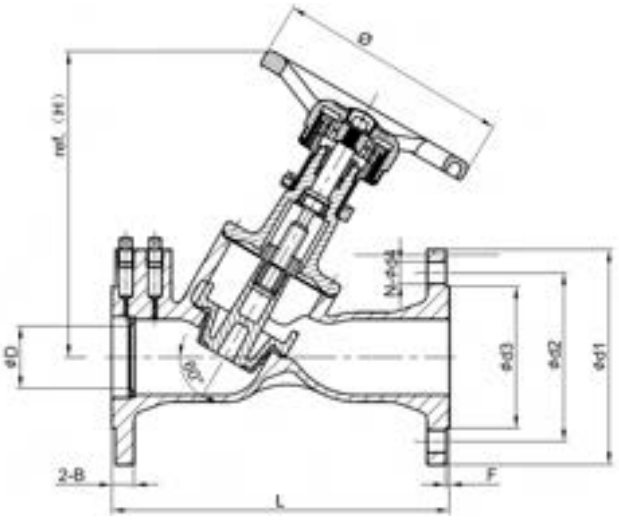
FIVC Static Balancing Valve is designed with integrated pressure probes to determine the flow rate through integrated fixed orifice. The valve controls hydraulic medium flow at HVAC plants and ensures load balance, hence contributes to energy and cost savings.

Further, the FIVC Balancing Valve does, through its reduction of media flow speed, prevents the water hammer phenomenon. This valve is used for drinking water.

Declaration

The product has been inspected and tested in accordance with the European PED Directive No 2014/68/EU, dated 15/05/2014. This valve is WRAS approved.

Dimensions



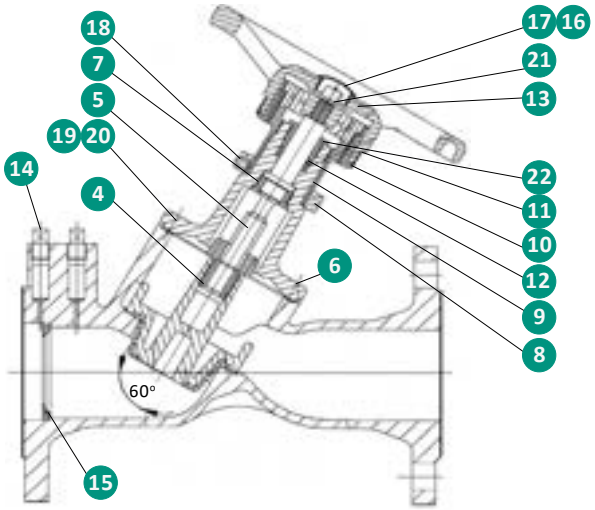
Product code	Size	H	L	B	Ø	øD	ød1	ød2	ød3	N-ød4	F	Kg
FSB065N16GF231	65	263	290	19	200	53.7±0.3	185	145	118	4-ø19	3	17
FSB080N16GF231	80	268	310	19	200	62.3±0.3	200	160	132	8-ø19	3	20
FSB100N16GF231	100	300	350	19	240	84.8±0.3	220	180	156	8-ø19	3	29
FSB125N16GF231	125	328	400	19	290	105±0.3	250	210	184	8-ø19	3	40
FSB150N16GF231	150	340	480	19	290	122.9±0.4	285	240	211	8-ø23	3	52
FSB200N16GF231	200	525	600	20	350	162.5±0.4	340	295	266	12-ø23	3	113
FSB250N16GF231	250	572	730	22	420	200±0.4	405	355	319	12-ø28	3	185
FSB300N16GF231	300	686	850	24.5	420	243±0.4	460	410	370	12-ø28	4	248

Dimensions are in millimeters

FIVC Static Balancing Valve

Ductile Iron – PN 16 – Fixed Orifice – WRAS – EN 1092-2

Product Specification



N°	Name	Material
1	Body	Ductile Iron EN JS 1040/65-45-12
2	Seal gasket	WRAS EPDM
3	Disc	Ductile Iron EN-JS 1040/65-45-12+WRAS EPDM
4	Stem nut	Brass CW617N EN 12165
5	Stem	DN 65-300: Stainless Steel BS 970 410 S21
6	Cover	Ductile Iron EN JS 1040/65-45-12
7	Stem lock bushing	Brass CW617N EN 12165
8	Limit set of indicator	Brass CW617N EN 12165 galvanized
9	Oriented set of indicator	Brass CW617N EN 12165
10	Directed circle	ABS plastic
11	Indicator	ABS plastic
12	Packing	PTFE+WRAS EPDM
13	Handwheel	Ductile Iron EN JS 1040/65-45-12
14	Plug	Steel
15	Orifice insert	DN 65-300: Brass CW617N EN 12165
16	Bolt	Stainless Steel BS 970 304 S15
17	Big gasket	Stainless Steel BS 970 304 S15
18	Hexagon socket screws	Stainless Steel BS 970 304 S15
19	Bolt	Stainless Steel BS 970 304 S15
20	Spring gasket	Stainless Steel BS 970 304 S15
21	Indicator dust cover	ABS plastic
22	Packing gland	DN 65-150: Brass CW617N EN 12165 DN 200-300: Ductile Iron EN JS 1040

Flowrate calculation

The flow rate Q can be determined with the following formula:

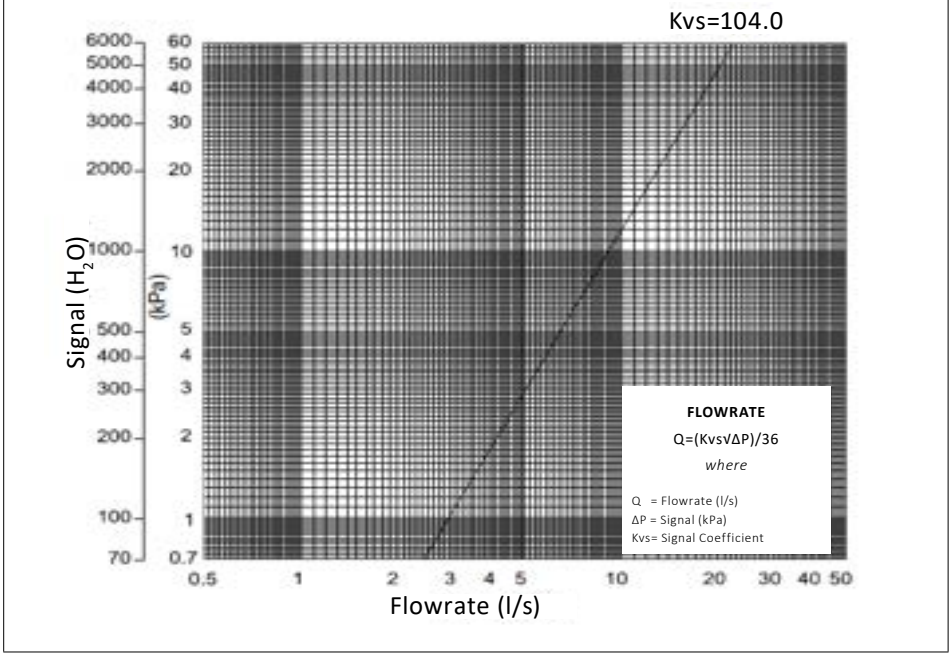
$$Q = Kv_{venturi} \bullet \sqrt{\Delta p}$$

Refer to the $Kv_{venturi}$ values included in the table: Δp has to be measured through the pressure outlets.Use the following formula for the liquids having density p different from water:

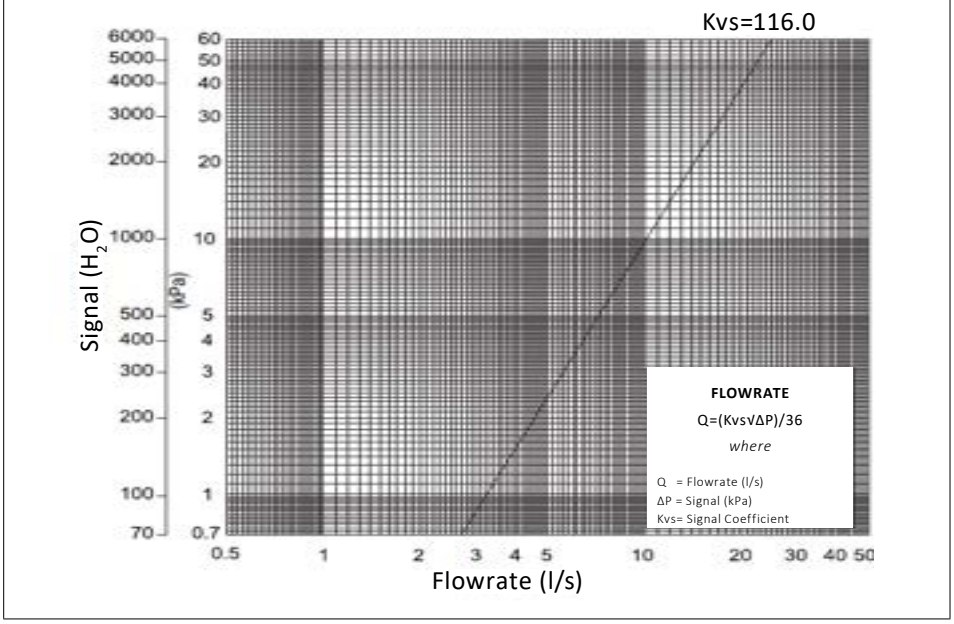
$$Q = Kv_{venturi} \bullet \sqrt{\Delta p/p}$$

Flow Measurement Graphs

FSB DN 65

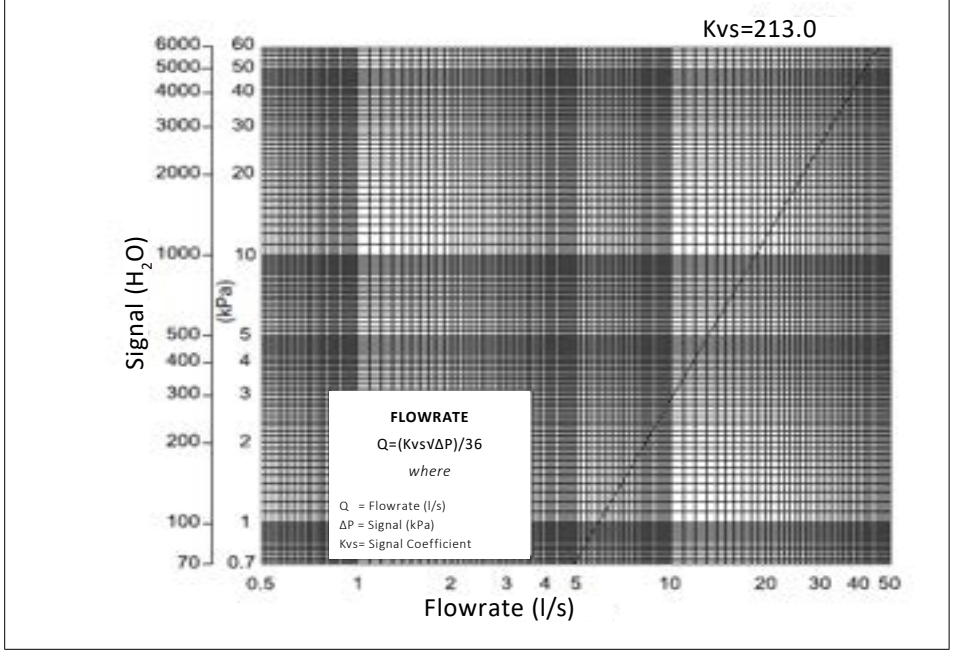


FSB DN 80

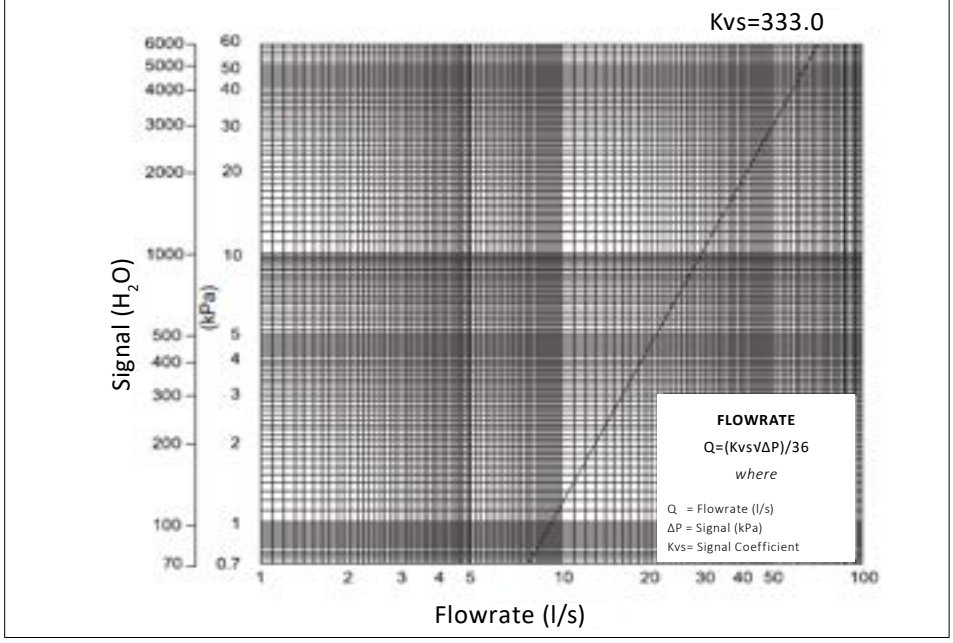


Flow Measurement Graphs

FSB DN 100

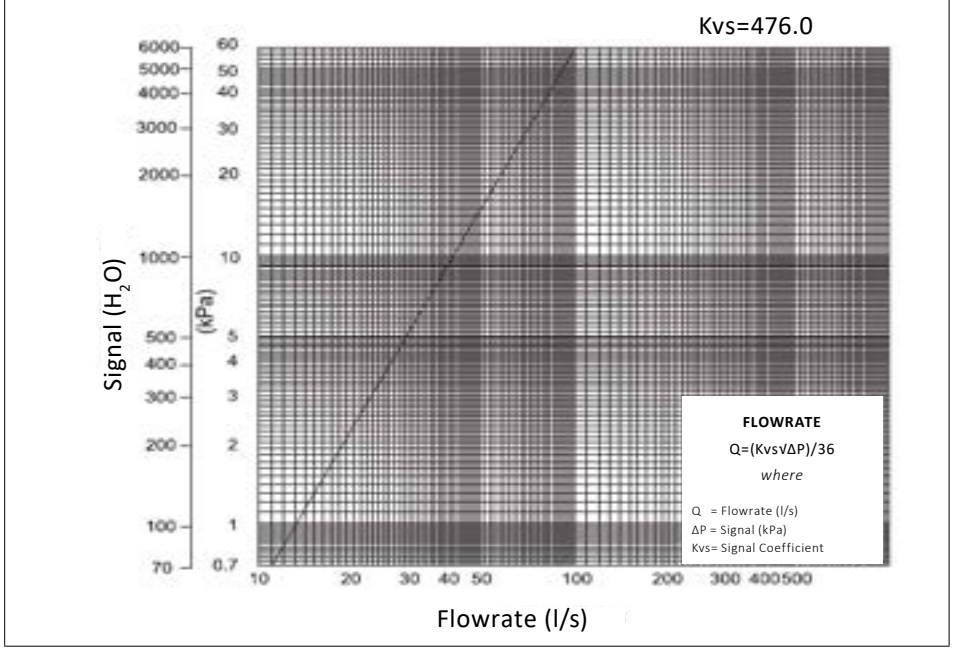


FSB DN 125

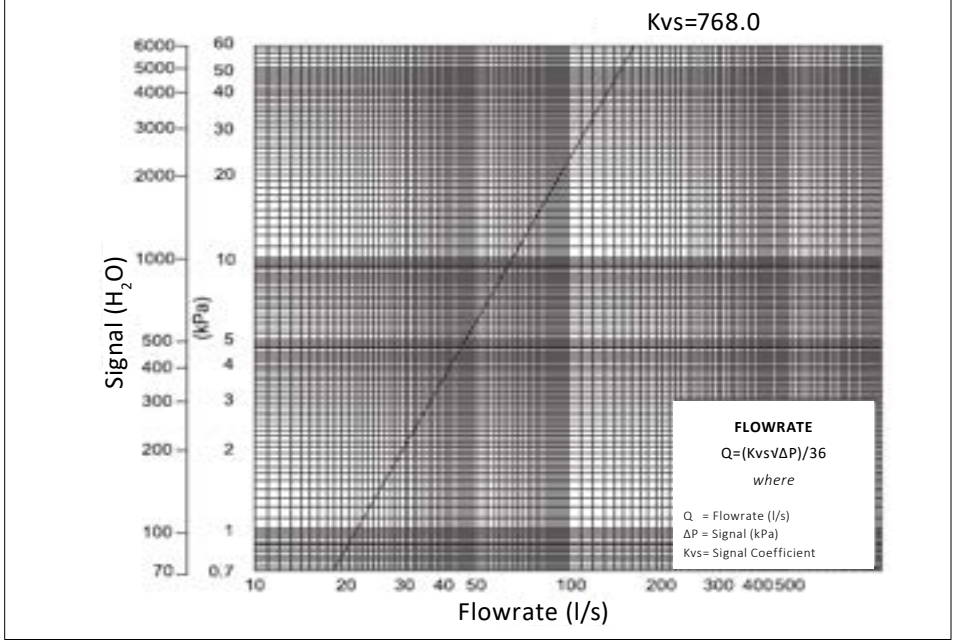


Flow Measurement Graphs

FSB DN 150



FSB DN 200

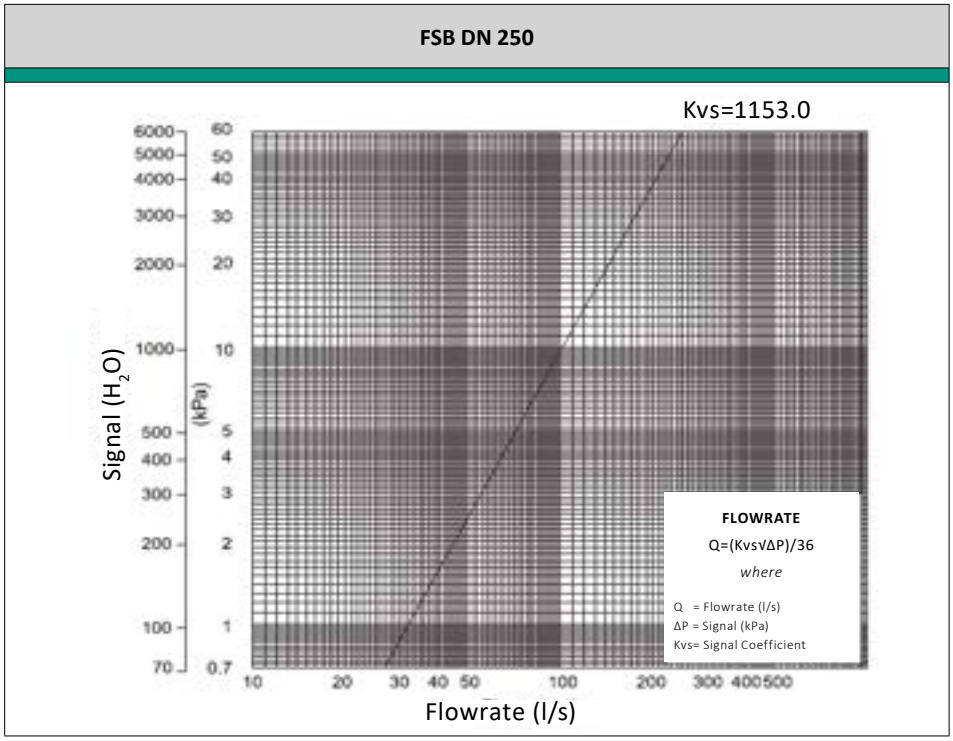


FIVC Static Balancing Valve

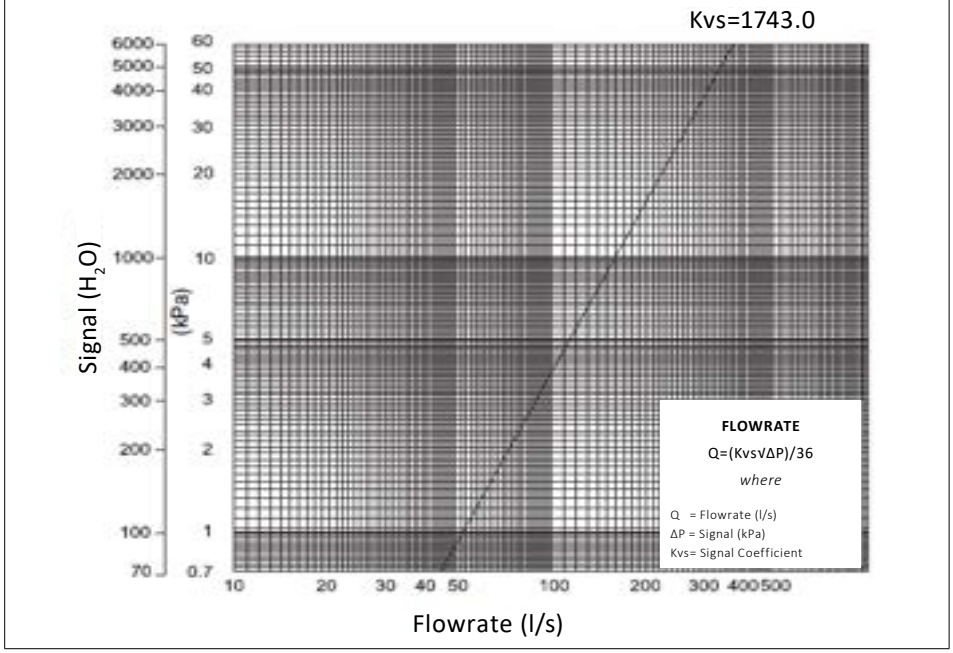
Ductile Iron – PN 16 – Fixed Orifice – WRAS – EN 1092-2

Flow Measurement Graphs

FSB DN 250



FSB DN 300



FIVC Static Balancing Valve

Ductile Iron – PN 25 – Fixed Orifice – WRAS – EN 1092-2



FSB series

Technical data

Main features and materials

- Body: Ductile Iron
- Bonnet: Ductile Iron
- Disc: Ductile Iron - EPDM
- Stem: Stainless Steel
- Handwheel: Ductile Iron
- Dimensions: Face-to-Face acc. to BS 7350:1990
- Drilling: EN 1092-2 PN 25
- Standard: BS EN 12266-1.2003
- Testing: Shell pressure: 3.75 MPa
  Seat pressure: 2.75 MPa
- UPS: WRAS-approved
  Hydraulic system balance
  Energy- and temperature optimzation

Field of applications

- Temperature range: -10 to 120°C
- Max. working pressure: 25 bar
- Accuracy of flow measurement: ±5%

- HVAC
- Cooling system
- Drinking water
- Oil distribution

Description

FIVC Static Balancing Valve is designed with integrated pressure probes to determine the flow rate through integrated fixed orifice. The valve controls hydraulic medium flow at HVAC plants and ensures load balance, hence contributes to energy and cost savings.

Further, the FIVC Balancing Valve does, through its reduction of media flow speed, prevents the water hammer phenomenon.

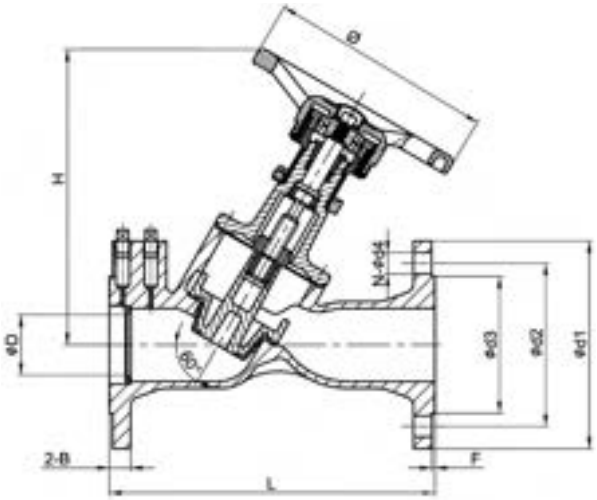
This valve is used for drinking water.

Declaration

The product has been inspected and tested in accordance with the European PED Directive No. 2014/68/EU, dated 15/05/2014.

This valve is WRAS-approved.

Dimensions



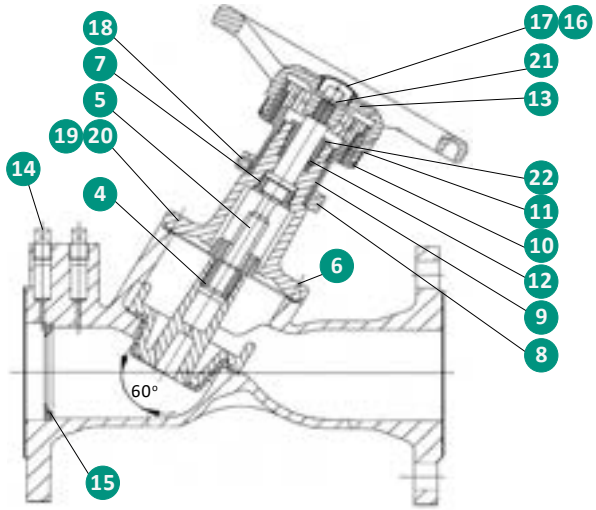
Product code	Size	H	L	B	Ø	ød1	ød2	ød3	N-ød4	F	øD	Kg
FSB065N25GF231	65	263	290	19	200	185	145	118	8-ø19	3	53.7±0.3	-
FSB080N25GF231	80	268	310	19	200	200	160	132	8-ø19	3	62.3±0.3	-
FSB100N25GF231	100	300	350	19	240	235	190	156	8-ø23	3	84.8±0.3	-
FSB125N25GF231	125	328	400	19	290	270	220	184	8-ø28	3	105±0.3	-
FSB150N25GF231	150	340	480	20	290	300	250	211	8-ø28	3	122.9±0.4	-
FSB200N25GF231	200	525	600	22	350	360	310	274	12-ø28	3	162.5±0.4	-
FSB250N25GF231	250	572	730	30.2	420	425	370	330	12-ø31	3	200±0.4	-
FSB300N25GF231	300	686	850	31.8	420	485	430	389	16-ø31	4	243±0.4	-

Dimensions are in millimeters

FIVC Static Balancing Valve

Ductile Iron – PN 25 – Fixed Orifice – WRAS – EN 1092-2

Product Specification



N°	Name	Material
1	Body	Ductile Iron EN JS 1040/65-45-12
2	Seal gasket	WRAS EPDM
3	Disc	Ductile Iron EN JS 1040/65-45-12 + WRAS EPDM
4	Stem nut	Brass CW617N EN 12165
5	Stem	DN 65-150: Stainless Steel BS 970 410 S21 DN 200-300: Stainless Steel BS 970 431 S21
6	Cover	Ductile Iron EN JS 1040
7	Stem lock bushing	Brass CW617N EN 12165
8	Limit set of indicator	Brass CW617N EN 12165 galvanized
9	Oriented set of indicator	Brass CW617N EN 12165
10	Directed circle	ABS plastic
11	Indicator	ABS plastic
12	Packing	PFTE + WRAS EPDM
13	Handwheel	Ductile Iron EN JS 1040/65-45-12
14	Plug	Steel
15	Orifice insert	Brass CW617N EN 12165 Stainless Steel BS 970 304 S15
16	Bolt	Stainless Steel BS 970 304 S15
17	Big gasket	Stainless Steel BS 970 304 S15
18	Hexagon socket screws	Stainless Steel BS 970 304 S15
19	Bolt	Stainless Steel BS 970 304 S15
20	Spring gasket	Stainless Steel BS 970 304 S15
21	Indicator dust cover	ABS plastic
22	Packing gland	DN 65-150: Brass CW617N EN 12165 DN 200-300: Ductile Iron EN JS 1040 /65-45-12

Flowrate calculation

The flow rate Q can be determined with the following formula:

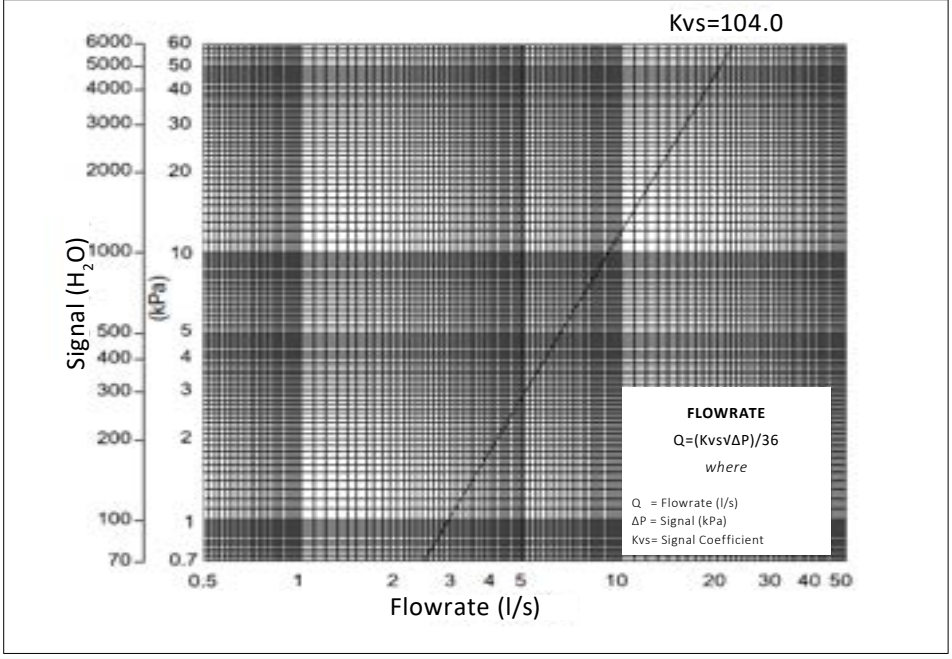
$$Q = Kv_{venturi} \bullet \sqrt{\Delta p}$$

Refer to the $Kv_{venturi}$ values included in the table: Δp has to be measured through the pressure outlets.Use the following formula for the liquids having density p different from water:

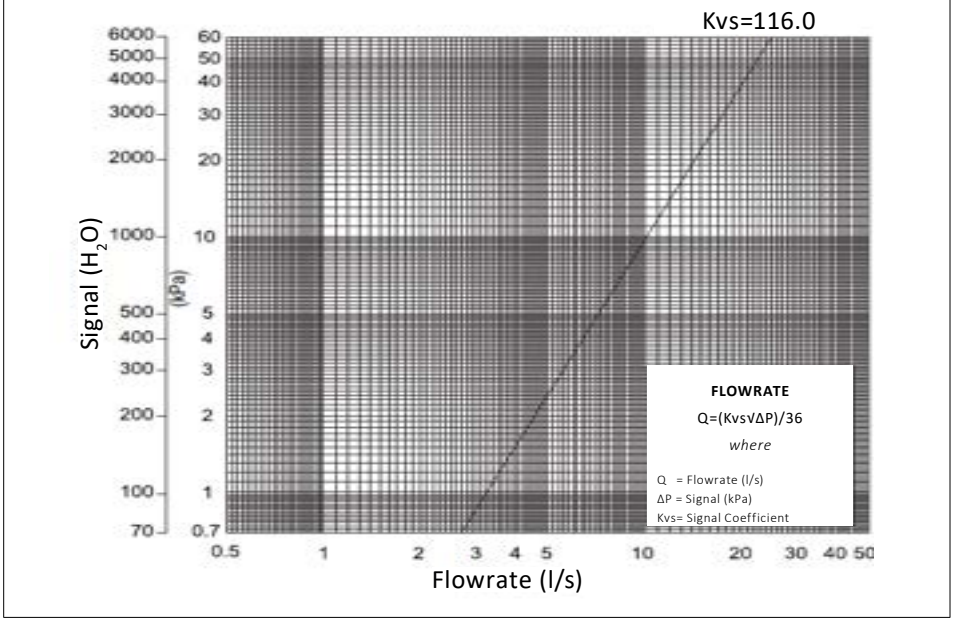
$$Q = Kv_{venturi} \bullet \sqrt{\Delta p/p}$$

Flow Measurement Graphs

FSB DN 65

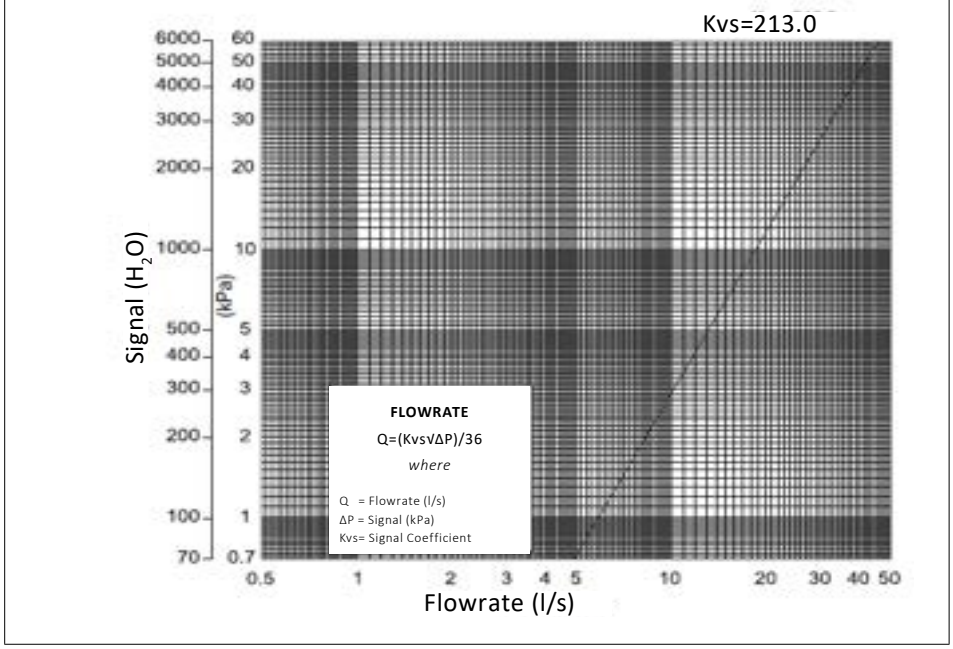


FSB DN 80

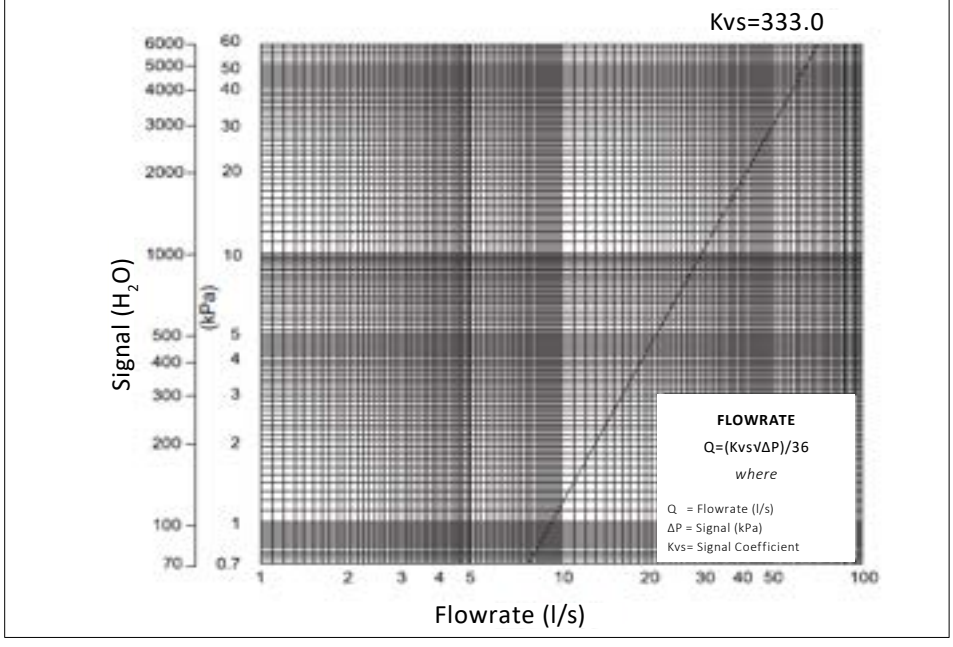


Flow Measurement Graphs

FSB DN 100

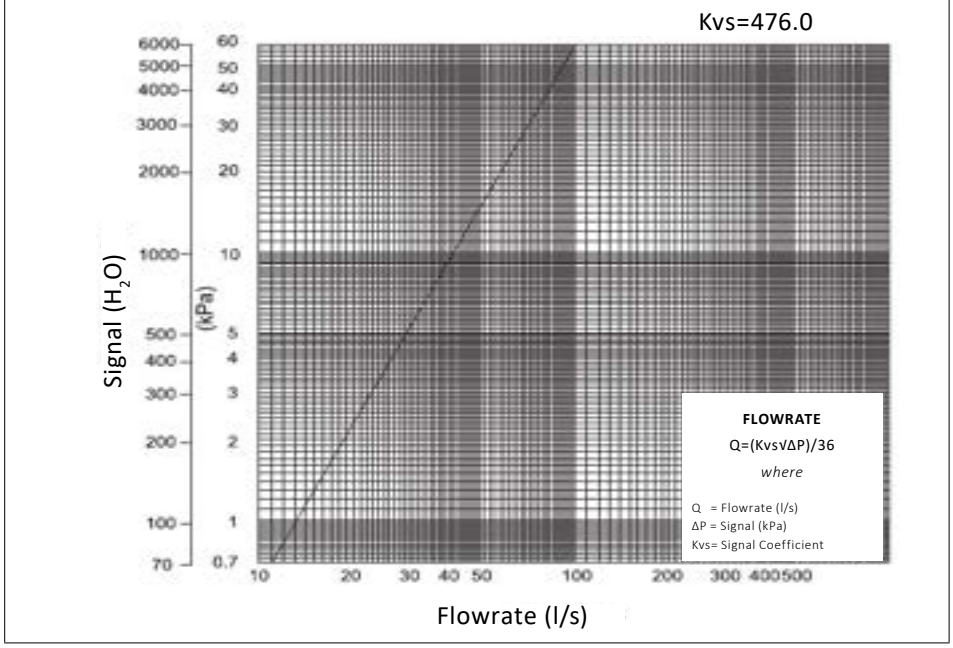


FSB DN 125

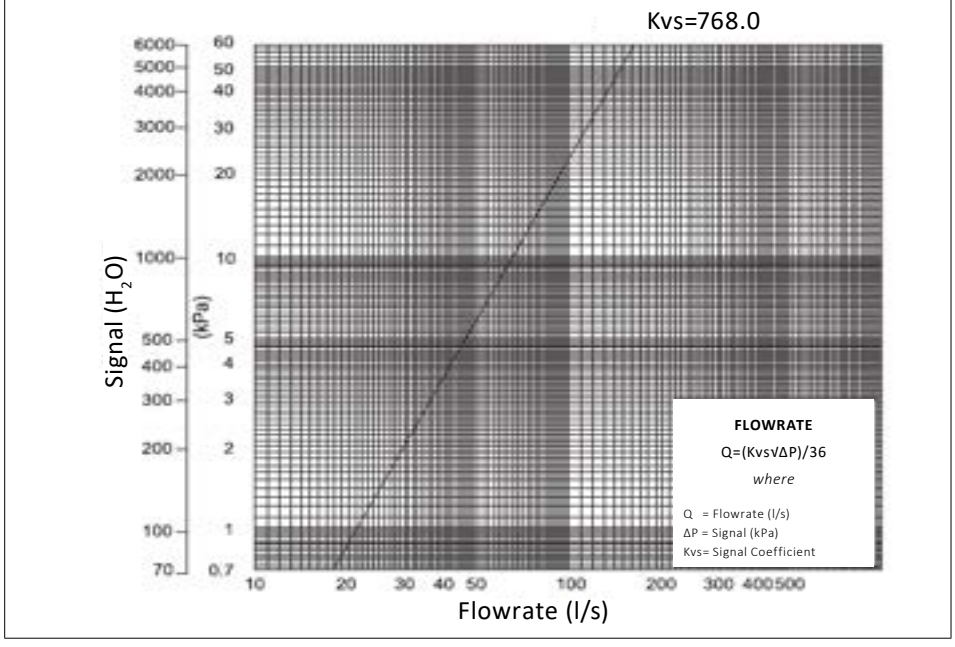


Flow Measurement Graphs

FSB DN 150

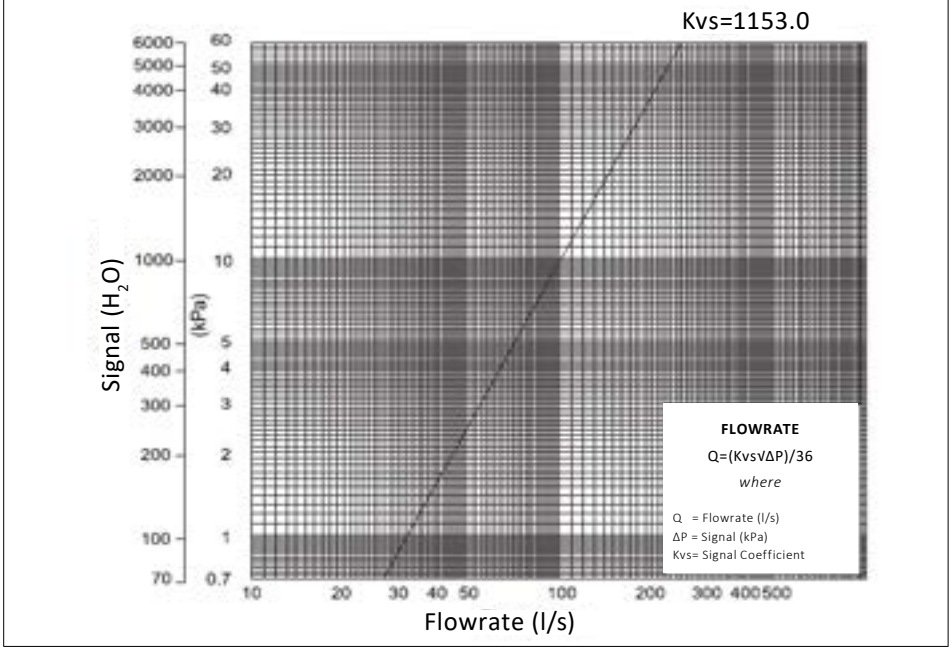


FSB DN 200

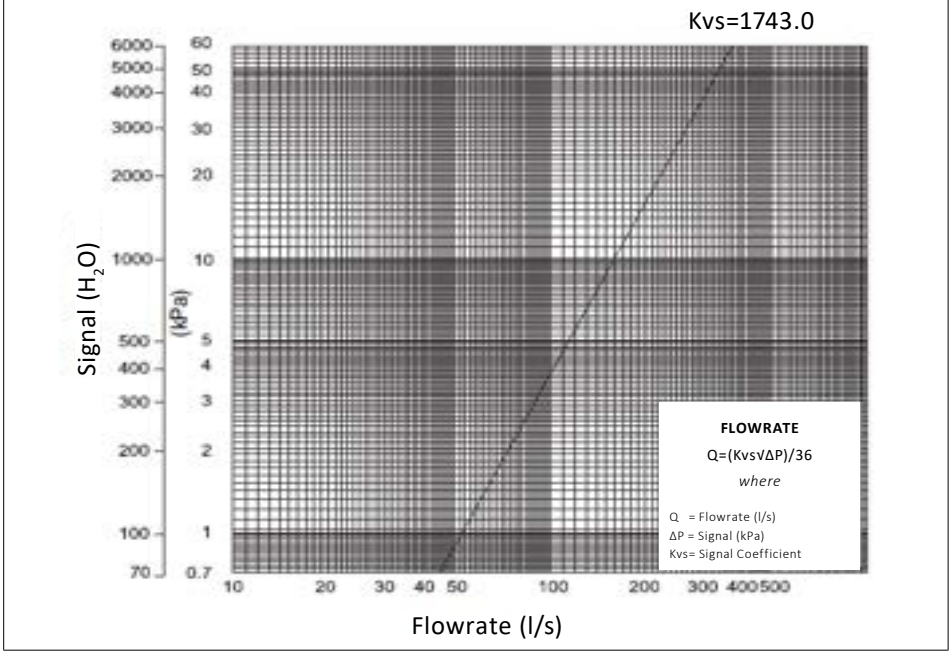


Flow Measurement Graphs

FSB DN 250



FSB DN 300



FIVC Static Balancing Valve

Ductile Iron – PN 16 – Fixed Orifice – EN 1092-2



FSB series

Technical data

Main features and materials

- Body: Ductile Iron
- Bonnet: Ductile Iron
- Disc: Ductile Iron - EPDM
- Stem: Stainless Steel
- Handwheel: Ductile Iron
- Dimensions: Face-to-Face acc. to BS 7350:1990
- Drilling: EN 1092-2 PN 16
- Standard: BS EN 12266-1.2003
- Testing: Shell pressure: 2.4 MPa
  Seat pressure: 1.76 MPa
- UPS: Hydraulic system balance
  Energy- and temperature optimzation

Field of applications

- Temperature range: -10 to 120°C
- Max. working pressure: 16 bar
- Accuracy of flow measurement: ±5%

- HVAC
- Cooling system
- Water distribution
- Oil distribution

Description

FIVC Static Balancing Valve is designed with integrated pressure probes to determine the flow rate through integrated fixed orifice. The valve controls hydraulic medium flow at HVAC plants and ensures load balance, hence contributes to energy and cost savings.

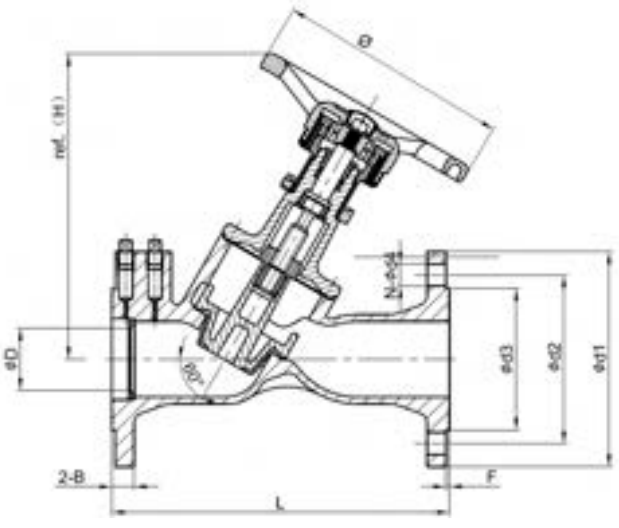
Further, the FIVC Balancing Valve does, through its reduction of media flow speed, prevents the water hammer phenomenon.

This valve is used for water, air, and oil.

Declaration

The product has been inspected and tested in accordance with the European PED Directive No 2014/68/EU, Schedule 4, Module H, dated 15/05/2014 and is CE marked.

Dimensions



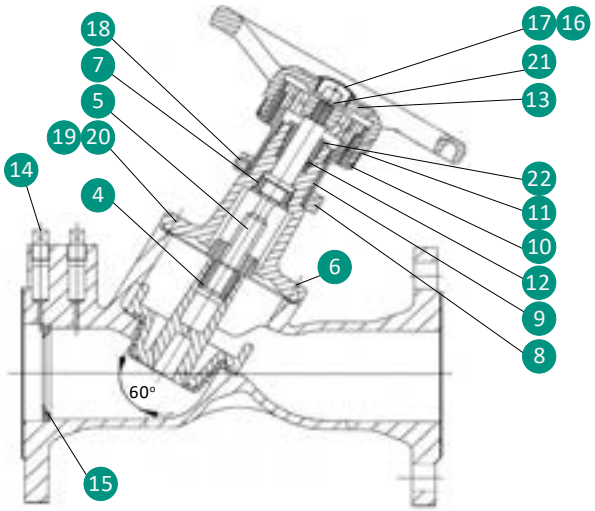
Product code	Size	H	L	B	Ø	øD	ød1	ød2	ød3	N-ød4	F	Kg
FSB065N16GF230	65	263	290	19	200	53.7±0.3	185	145	118	4-ø19	3	17
FSB080N16GF230	80	268	310	19	200	62.3±0.3	200	160	132	8-ø19	3	20
FSB100N16GF230	100	300	350	19	240	84.8±0.3	220	180	156	8-ø19	3	29
FSB125N16GF230	125	328	400	19	290	105±0.3	250	210	184	8-ø19	3	40
FSB150N16GF230	150	340	480	19	290	122.9±0.4	285	240	211	8-ø23	3	52
FSB200N16GF230	200	525	600	20	350	162.5±0.4	340	295	266	12-ø23	3	113
FSB250N16GF230	250	572	730	22	420	200±0.4	405	355	319	12-ø28	3	185
FSB300N16GF230	300	686	850	24.5	420	243±0.4	460	410	370	12-ø28	4	248
FSB350N16GF230	350	681	980	26.5	420	249±0.4	520	470	429	16-ø28	4	408
FSB400N16GF230	400	965	1100	28	640	284.3±0.5	580	525	480	16-ø31	4	592
FSB450N16GF230	450	972	1200	30	640	321±0.5	640	585	548	20-ø31	4	684
FSB500N16GF230	500	1065	1250	31.5	640	357.3±0.5	715	650	609	20-ø34	4	836
FSB600N16GF230	600	1180	1450	36	640	418.5±0.5	840	770	720	20-ø37	5	-

Dimensions are in millimeters

FIVC Static Balancing Valve

Ductile Iron – PN 16 – Fixed Orifice – EN 1092-2

Product Specification



N°	Name	Material
1	Body	Ductile Iron EN JS 1040
2	Seal gasket	EPDM
3	Disc	Ductile Iron EN JS 1040+EPDM
4	Stem nut	Brass CW617N EN 12165
5	Stem	DN 65-300: Stainless Steel BS 970 410 S21 DN 350-600: Stainless Steel BS 970 431 S21
6	Cover	Ductile Iron EN JS 1040
7	Stem lock bushing	Brass CW617N EN 12165
8	Limit set of indicator	Stainless Steel BS 970 304 S15
9	Oriented set of indicator	Brass CW617N EN 12165
10	Directed circle	ABS plastic
11	Indicator	ABS plastic
12	Packing	PTFE+EPDM
13	Handwheel	Ductile Iron EN JS 1040
14	Plug	Brass C36000
15	Orifice insert	DN 65-300: Brass CW617N EN 12165 DN350-600: Stainless Steel BS 970 304 S15
16	Bolt	Stainless Steel BS 970 304 S15
17	Big gasket	Stainless Steel BS 970 304 S15
18	Hexagon socket screws	Stainless Steel BS 970 304 S15
19	Bolt	Stainless Steel BS 970 304 S15
20	Spring gasket	Stainless Steel BS 970 304 S15
21	Indicator dust cover	ABS plastic
22	Packing gland	DN 65-150: Brass CW617N EN 12165 DN 200-600: Ductile Iron EN JS 1040

Flowrate calculation

The flow rate Q can be determined with the following formula:

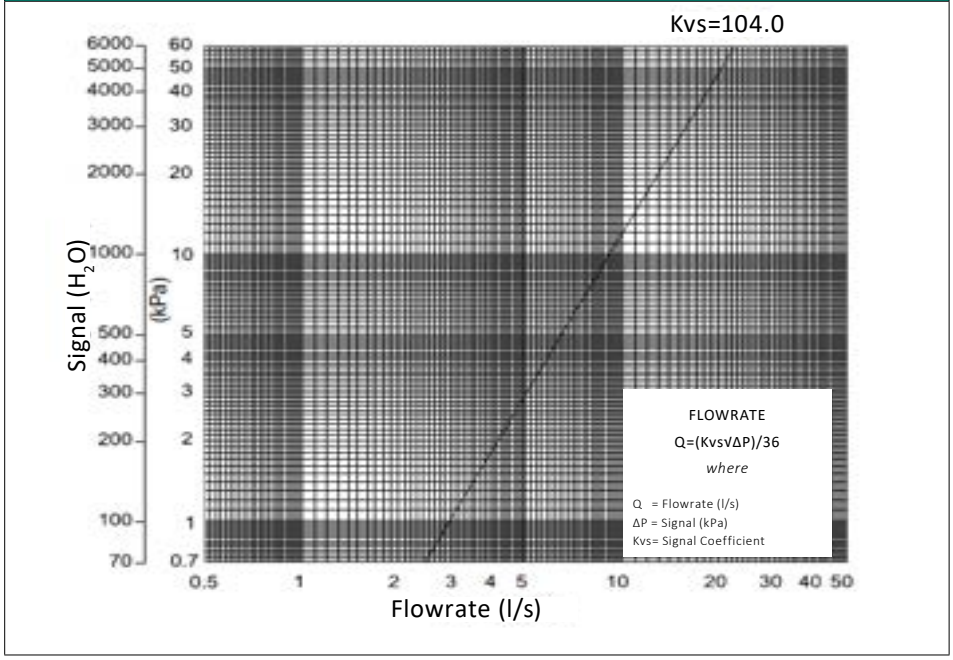
$$Q = Kv_{venturi} \bullet \sqrt{\Delta p}$$

Refer to the $Kv_{venturi}$ values included in the table: Δp has to be measured through the pressure outlets.Use the following formula for the liquids having density p different from water:

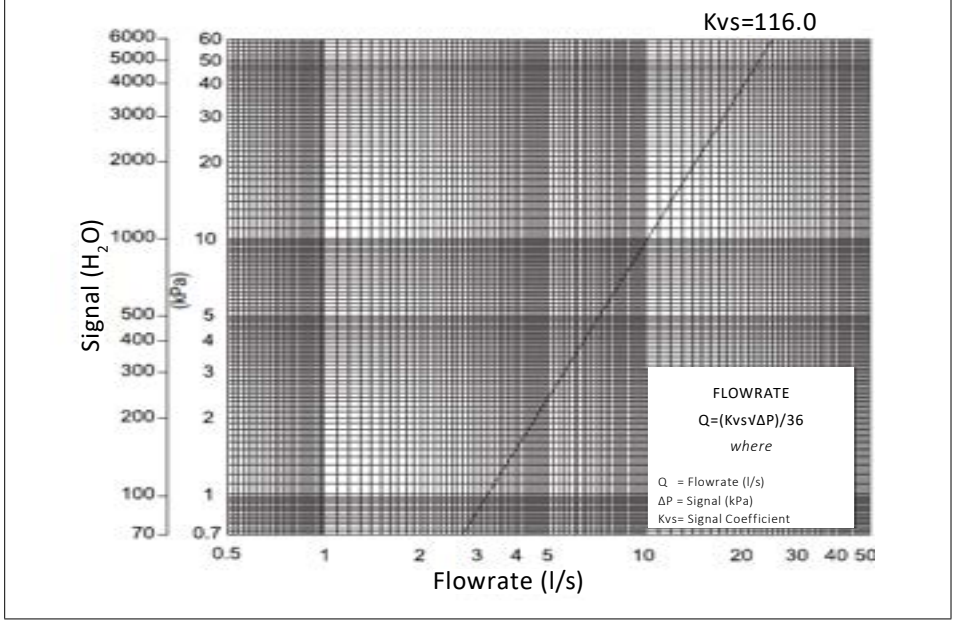
$$Q = Kv_{venturi} \bullet \sqrt{\Delta p/p}$$

Flow Measurement Graphs

FSB DN 65

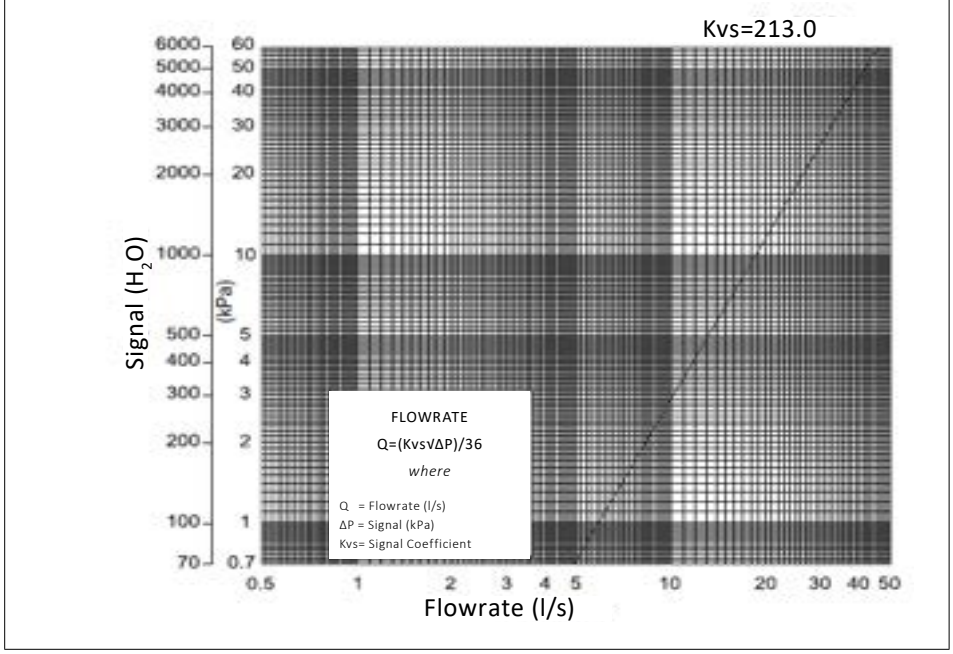


FSB DN 80

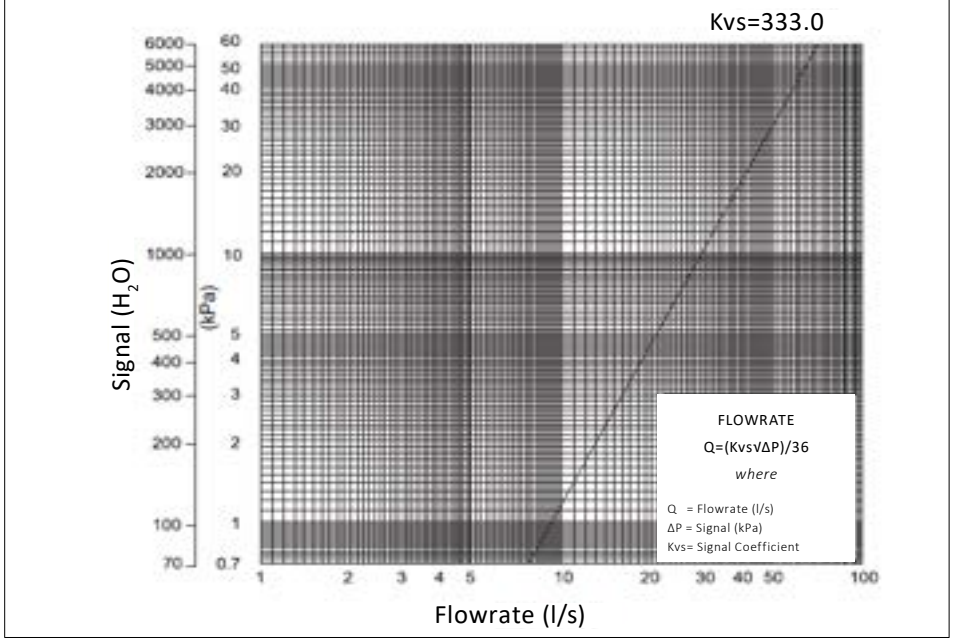


Flow Measurement Graphs

FSB DN 100

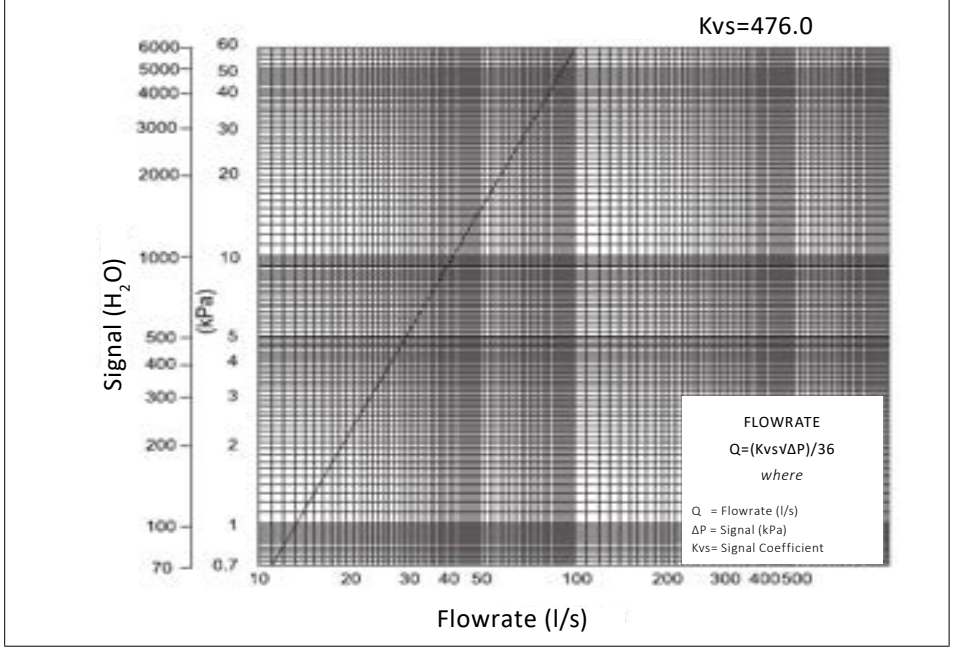


FSB DN 125

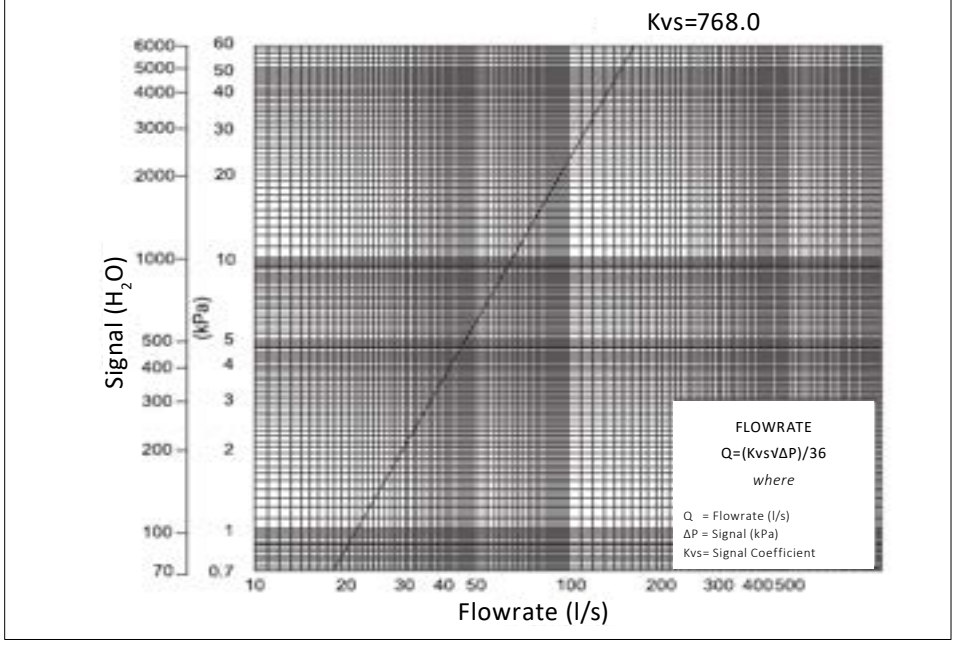


Flow Measurement Graphs

FSB DN 150

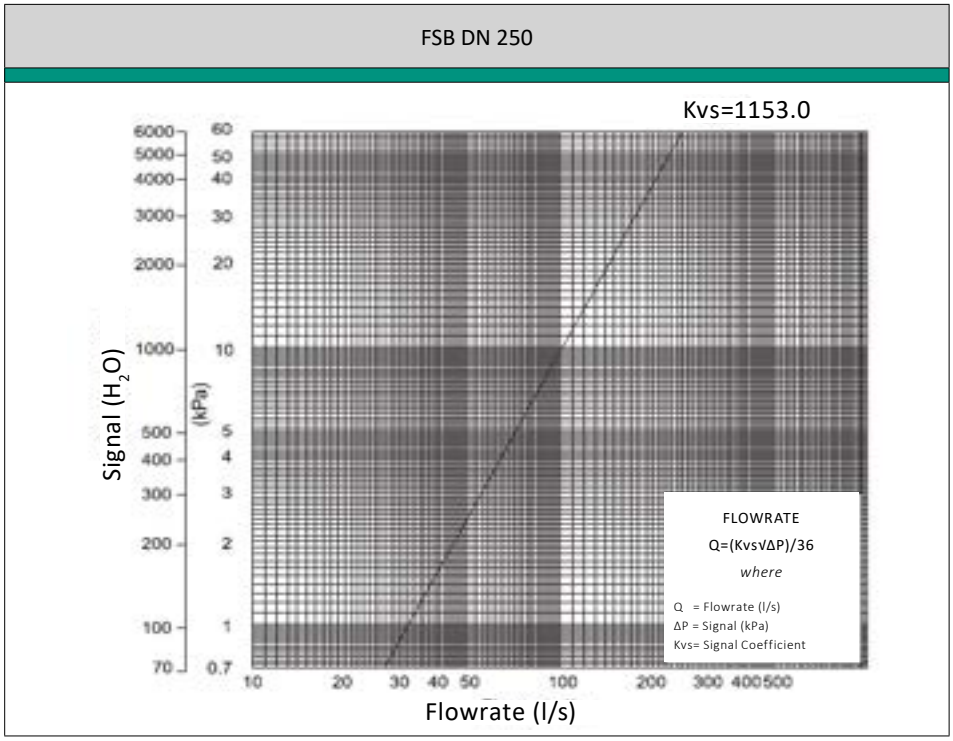


FSB DN 200

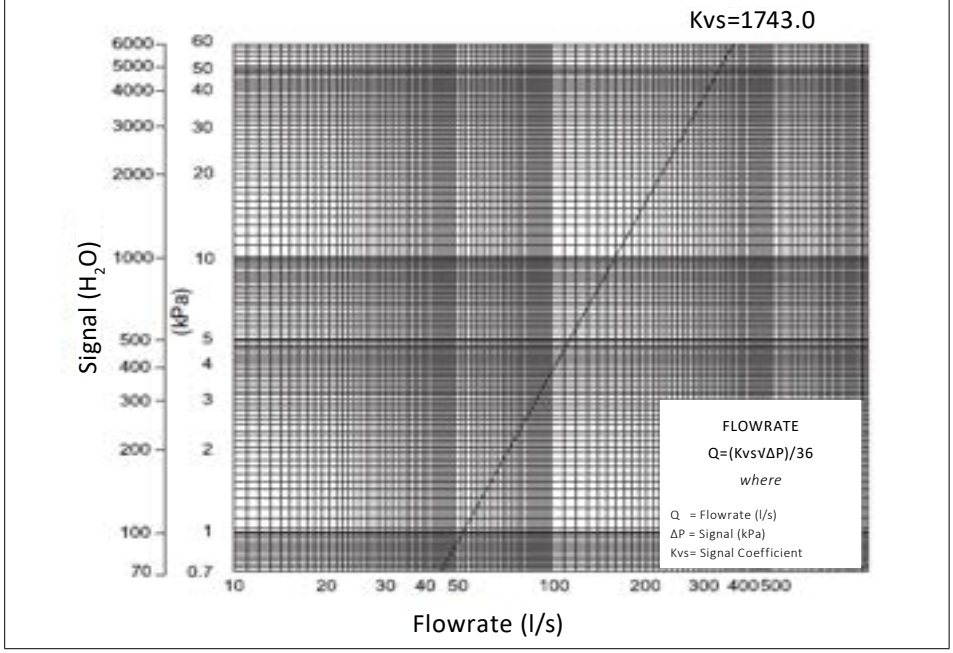


Flow Measurement Graphs

FSB DN 250

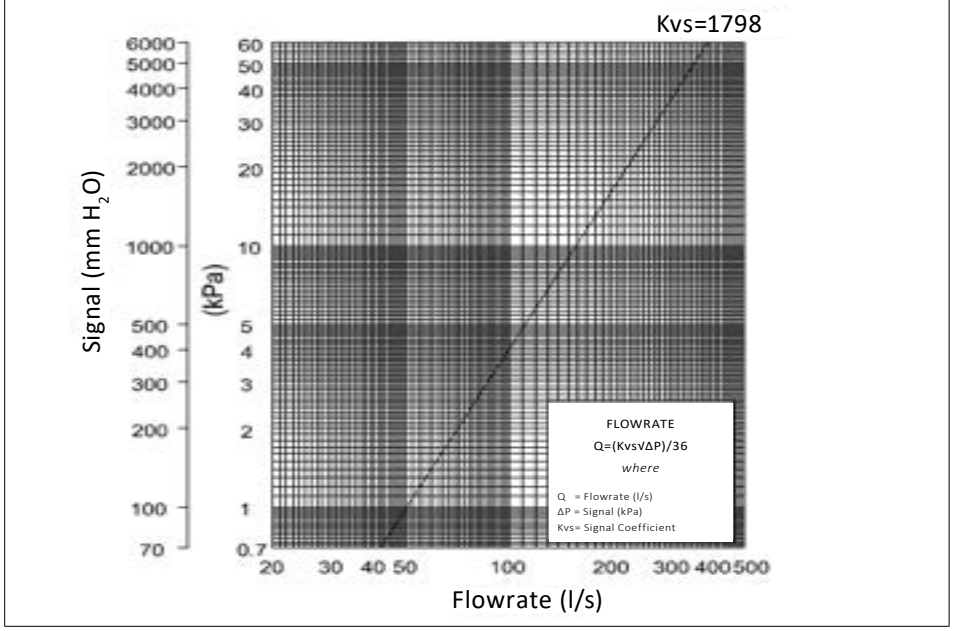


FSB DN 300

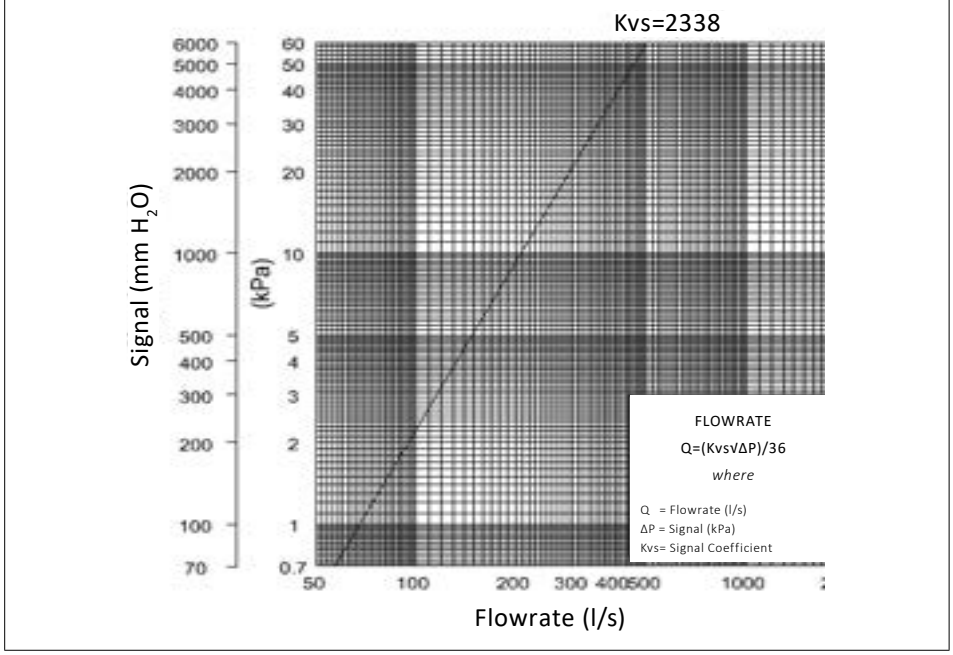


Flow Measurement Graphs

FSB DN 350

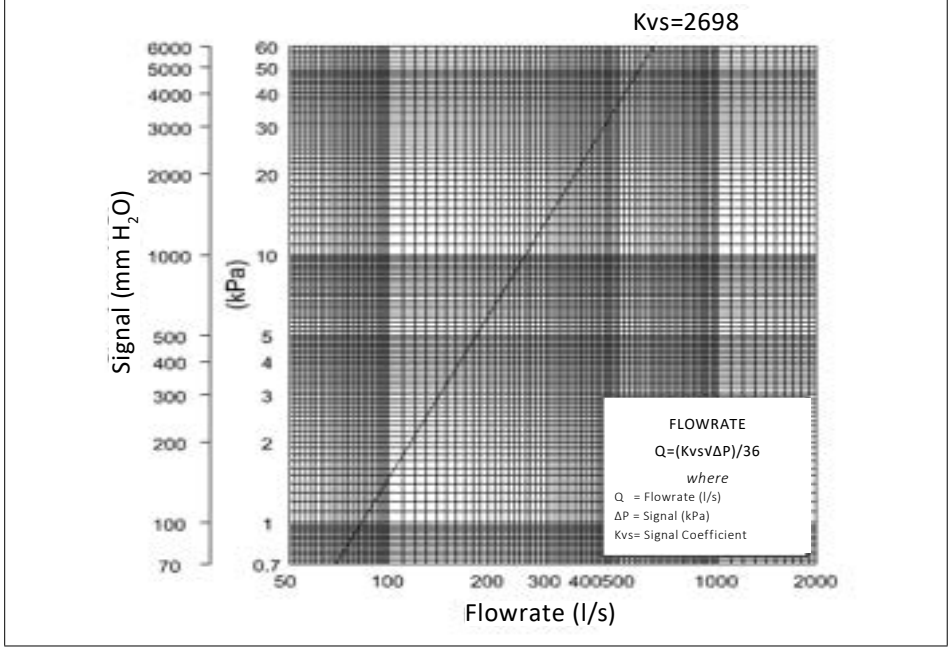


FSB DN 400

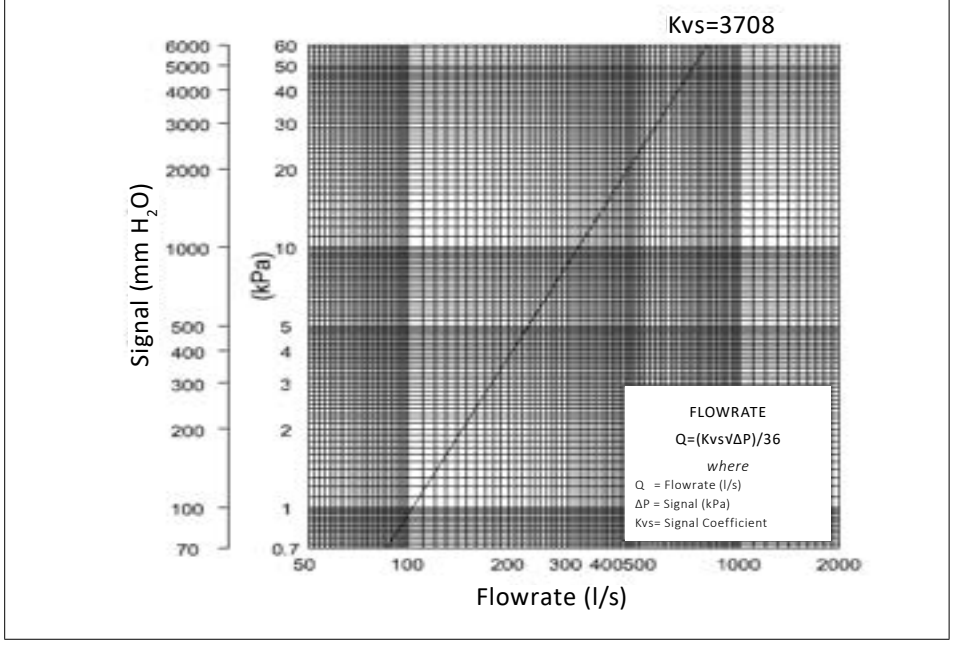


Flow Measurement Graphs

FSB DN 450

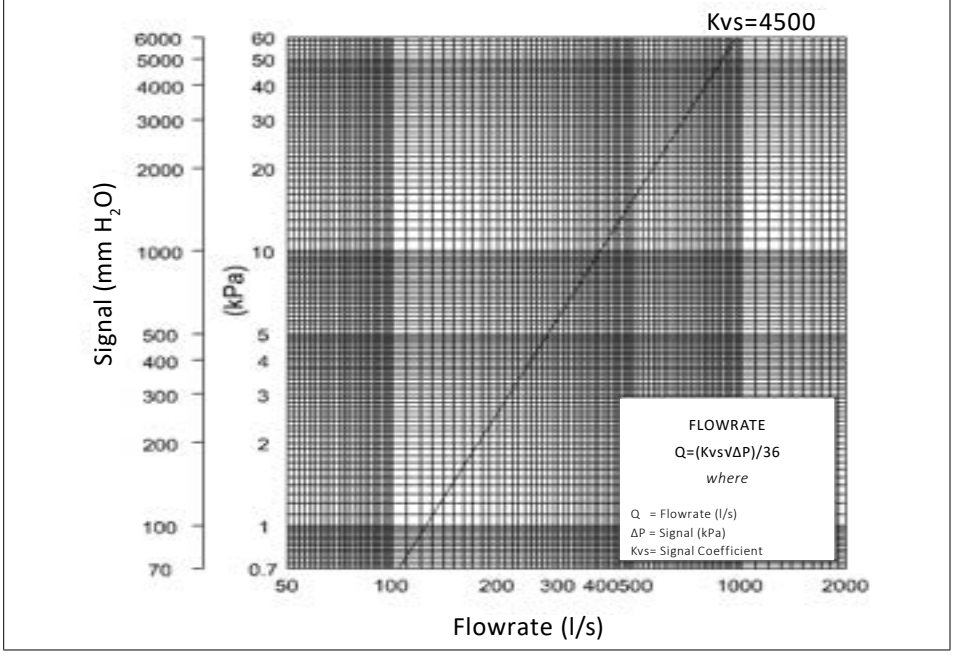


FSB DN 500



Flow Measurement Graphs

FSB DN 600



FIVC Static Balancing Valve

Ductile Iron – PN 16 – Variable Orifice – EN 1092-2



FSB series

Technical data

Main features and materials

- Body: Ductile Iron
- Bonnet: Ductile Iron
- Disc: Ductile Iron - EPDM
- Stem: Stainless Steel
- Handwheel: Ductile Iron
- Coating: Epoxy 200 µm
- Dimensions: Face-to-Face acc. to BS 7350:1990
- Drilling: EN 1092-2 PN 16
- Standard: BS EN 12266-1.2003
- Testing: Shell pressure: 2.4 MPa
  Seat pressure: 1.76 MPa
- UPS: Hydraulic system balance
  Energy- and temperature optimzation

Field of applications

- Temperature range: -10 to 120°C
- Max. working pressure: 16 bar
- Accuracy of flow measurement: ±5%

- HVAC
- Cooling system
- Water distribution
- Oil distribution

Description

FIVC Static Balancing Valve is designed with integrated pressure probes to determine the flow rate through integrated variable orifice. The valve controls hydraulic medium flow at HVAC plants and ensures load balance, hence contributes to energy and cost savings.

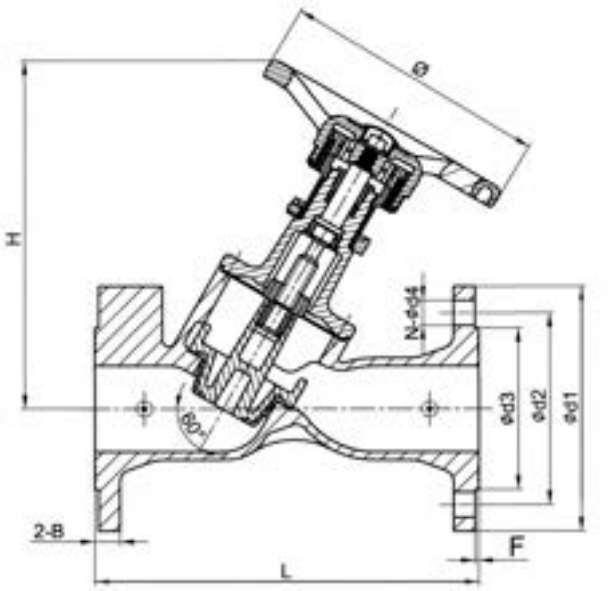
Further, the FIVC Balancing Valve does, through its reduction of media flow speed, prevents the water hammer phenomenon.

This valve is used for water, air, and oil.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014, dated 15/05/2014.

Dimensions



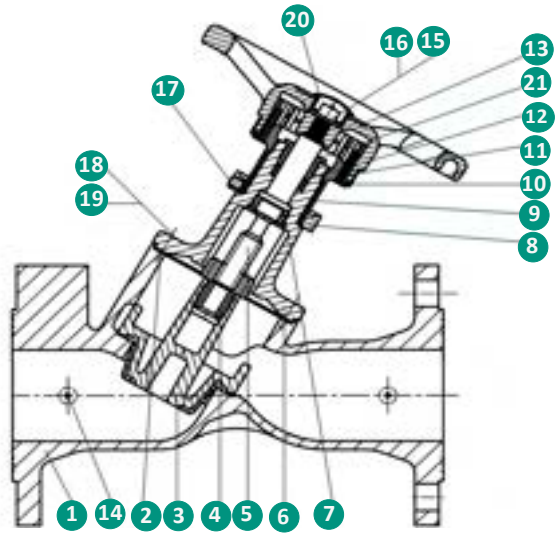
Product code	Size	H	L	B	Ø	ød1	ød2	ød3	N-ød4	F	Kg
FSB065N16GV230	65	263	290	19	200	185	145	118	4-ø19	3	17
FSB080N16GV230	80	268	310	19	200	200	160	132	8-ø19	3	20
FSB100N16GV230	100	300	350	19	240	220	180	156	8-ø19	3	29
FSB125N16GV230	125	328	400	19	290	250	210	184	8-ø19	3	40
FSB150N16GV230	150	340	480	19	290	285	240	211	8-ø23	3	52
FSB200N16GV230	200	525	600	20	350	340	295	266	12-ø23	3	113
FSB250N16GV230	250	572	730	22	420	405	355	319	12-ø28	3	185
FSB300N16GV230	300	686	850	24.5	420	460	410	370	12-ø28	4	248
FSB350N16GV230	350	681	980	26.5	420	520	470	429	16-ø28	4	408
FSB400N16GV230	400	965	1100	28	640	580	525	480	16-ø31	4	592
FSB450N16GV230	450	972	1200	30	640	640	585	548	20-ø31	4	684
FSB500N16GV230	500	1065	1250	31.5	640	715	650	609	20-ø34	4	836
FSB600N16GV230	600	1180	1450	36	640	840	770	720	20-ø37	5	-

Dimensions are in millimeters

FIVC Static Balancing Valve

Ductile Iron – PN 16 – Variable Orifice – EN 1092-2

Product Specification



N°	Name	Material
1	Body	Ductile Iron EN JS 1040
2	Seal gasket	EPDM
3	Disc	Ductile Iron EN JS 1040 + EPDM
4	Stem nut	Brass CW617N EN 12165
5	Stem	DN 65-300: Stainless Steel BS 970 410 S21 DN 350-600: Stainless Steel BS 970 431 S29
6	Cover	Ductile Iron EN JS 1040
7	Stem lock bushing	Brass CW617N EN 12165
8	Limit set of indicator	Brass CW617N EN 12165 galvanized
9	Oriented set of indicator	Brass CW617N EN 12165
10	Directed circle	ABS plastic
11	Indicator	ABS plastic
12	Packing	PTFE + EPDM
13	Handwheel	Ductile Iron EN JS 1040
14	Plug	Steel
15	Bolt	Stainless Steel BS 970 304 S15
16	Big gasket	Stainless Steel BS 970 304 S15
17	Hexagon socket screws	Stainless Steel BS 970 304 S15
18	Bolt	Stainless Steel BS 970 304 S15
19	Spring gasket	Stainless Steel BS 970 304 S15
20	Indicator dust cover	ABS plastic
21	Packing gland	DN 65-150: Brass CW617N EN 12165 DN 200-450: Ductile Iron EN JS 1040

Flowrate calculation

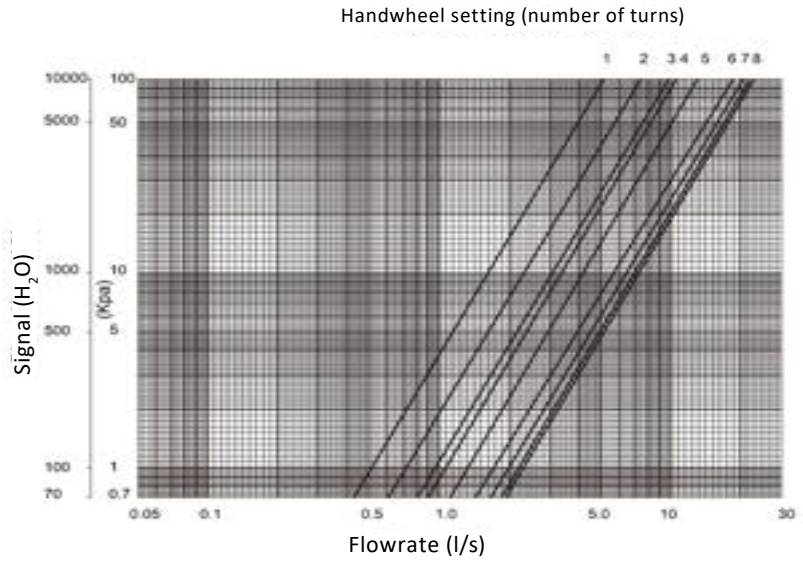
The flow rate Q can be determined with the following formula:

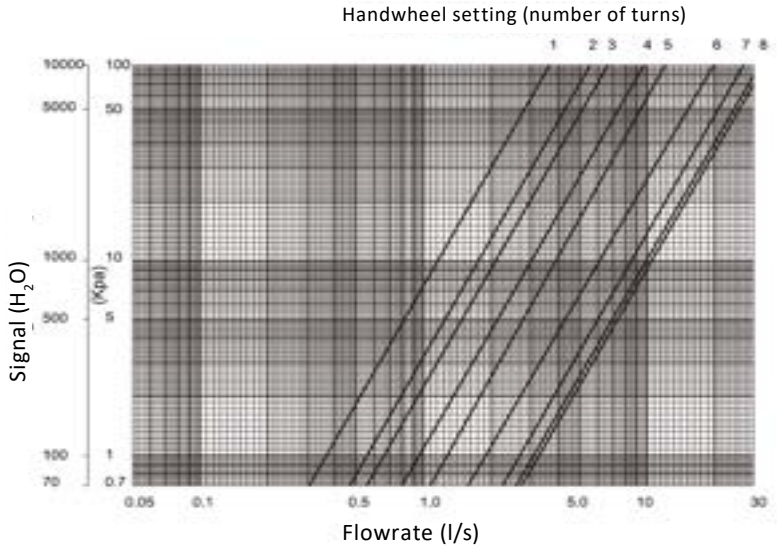
$$Q = Kv_{venturi} \bullet \sqrt{\Delta p}$$

Refer to the $Kv_{venturi}$ values included in the table: Δp has to be measured through the pressure outlets.Use the following formula for the liquids having density p different from water:

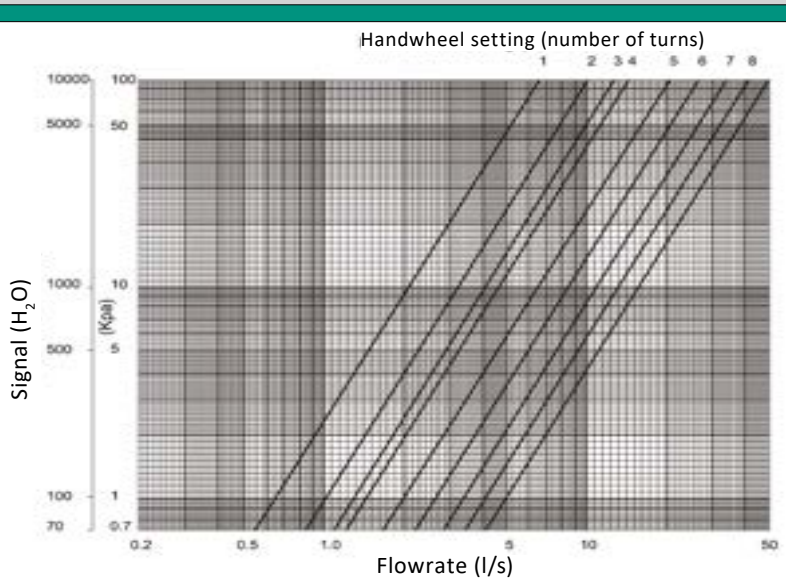
$$Q = Kv_{venturi} \bullet \sqrt{\Delta p/p}$$

Flow Measurement Graphs

FSB DN 65	Setting	Kv (m^3/h)
	1	18.6
	2	26.8
	3	35.4
	4	38.7
	5	49.4
	6	65.5
	7	74.6
	8	80.2
	All open	83.8

FSB DN 80	Setting	Kv (m^3/h)
	1	13.3
	2	20.0
	3	24.1
	4	34.9
	5	45.9
	6	71.6
	7	98.8
	8	113.7
	All open	119.5

Flow Measurement Graphs

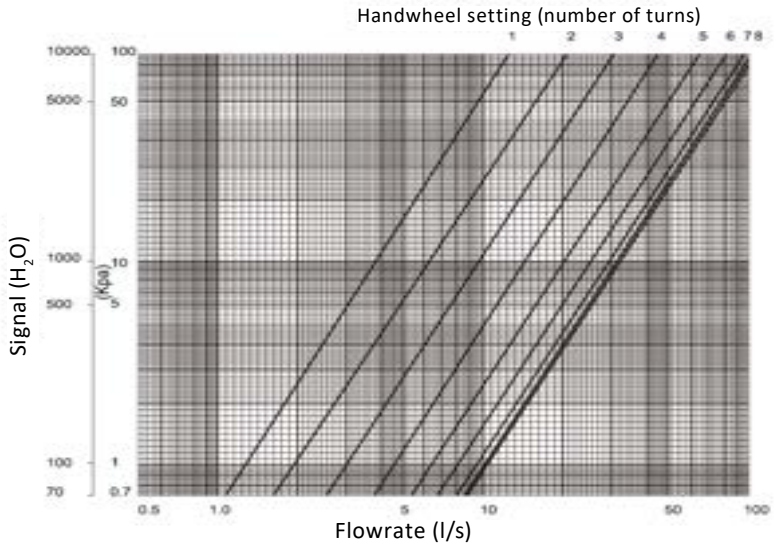
FSB DN 100	Setting	Kv (m^3/h)
	1	23.6
	2	36.6
	3	48.5
	4	55.2
	5	75.2
	6	97.9
	7	123.9
	8	149.4
	All open	178.7

FSB DN 125	Setting	Kv (m^3/h)
	1	32.2
	2	55.6
	3	68.8
	4	98.0
	5	145.7
	6	199.1
	7	231.7
	8	260.5
	All open	272.7

FIVC Static Balancing Valve

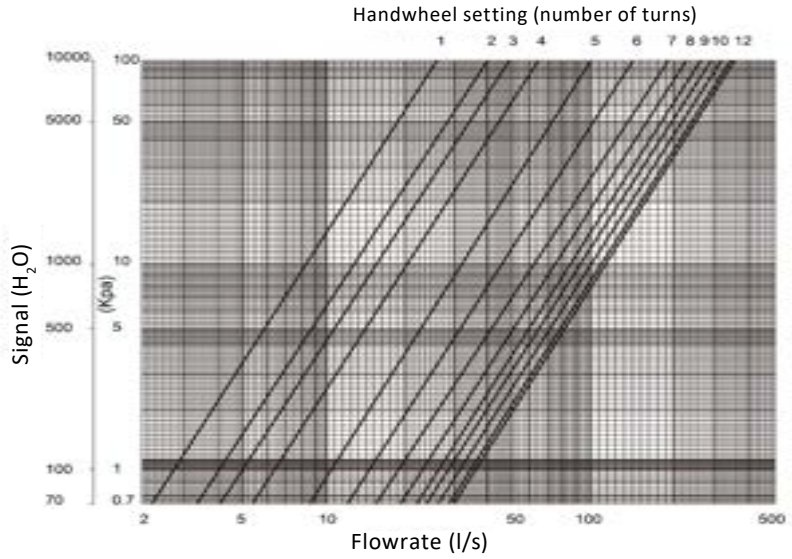
Ductile Iron – PN 16 – Variable Orifice – EN 1092-2

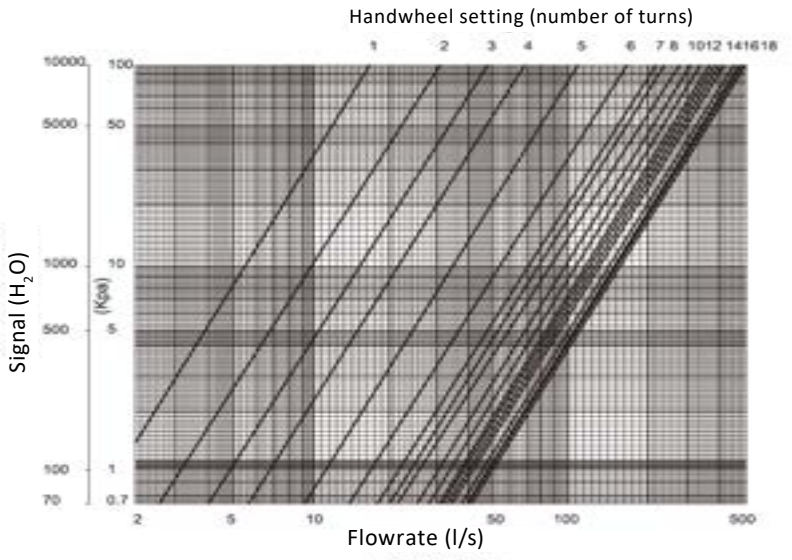
Flow Measurement Graphs

FSB DN 150	Setting	Kv (m^3/h)
	1	48
	2	75
	3	110
	4	162
	5	233
	6	294
	7	346
	8	371
	All open	380

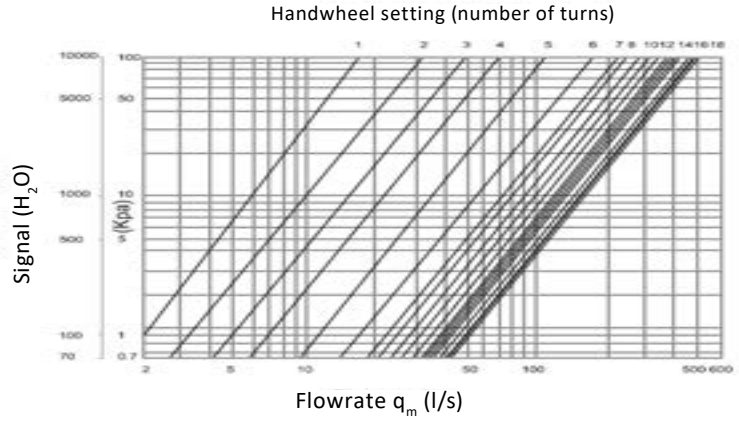
FSB DN 200	Setting	Kv (m^3/h)
	1	41
	2	61
	3	81
	4	99
	5	161
	6	215
	7	271
	8	339
	9	412
	10	482
	11	546
	12 (All open)	608

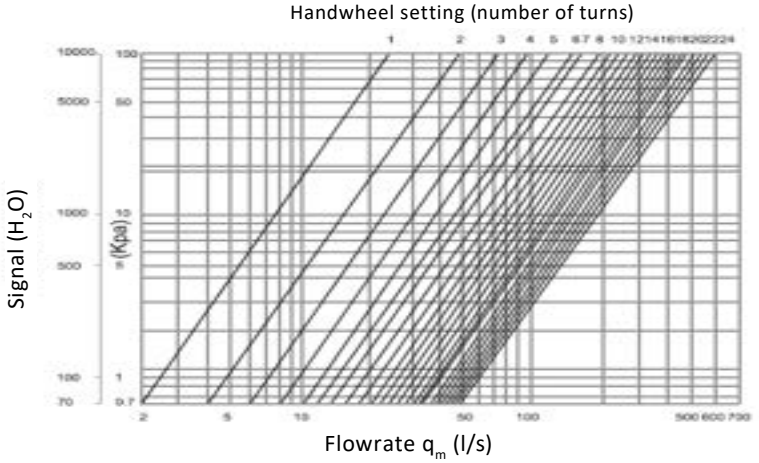
Flow Measurement Graphs

FSB DN 250	Setting	Kv (m^3/h)
	1	97
	2	146
	3	177
	4	232
	5	368
	6	543
	7	695
	8	832
	9	960
	10	1045
	11	1151
	12	1249
	All open	1292

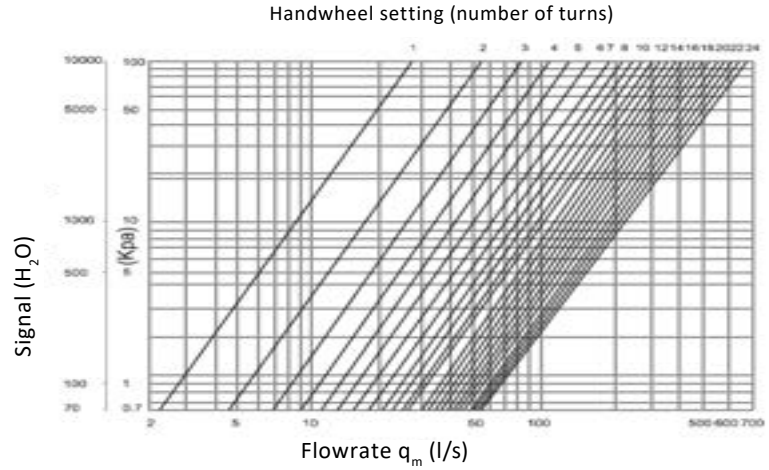
FSB DN 300	Setting	Kv (m^3/h)
	1	63
	2	113
	3	174
	4	245
	5	397
	6	628
	7	792
	8	873
	9	1002
	10	1112
	11	1223
	12	1331
	13	1383
	14	1444
	15	1505
	16	1639
	17	1707
	18	1730
	All open	1791

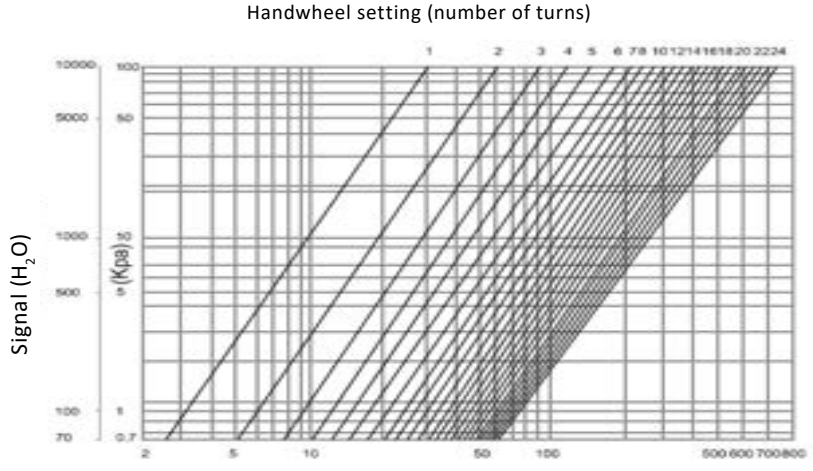
Flow Measurement Graphs

FSB DN 350	Setting	Kv (m^3/h)
	1	64
	2	115
	3	177
	4	250
	5	404
	6	639
	7	807
	8	889
	9	1020
	10	1132
	11	1246
	12	1355
	13	1409
	14	1470
	15	1533
	16	1669
	17	1739
	18	1762
	All open	1824

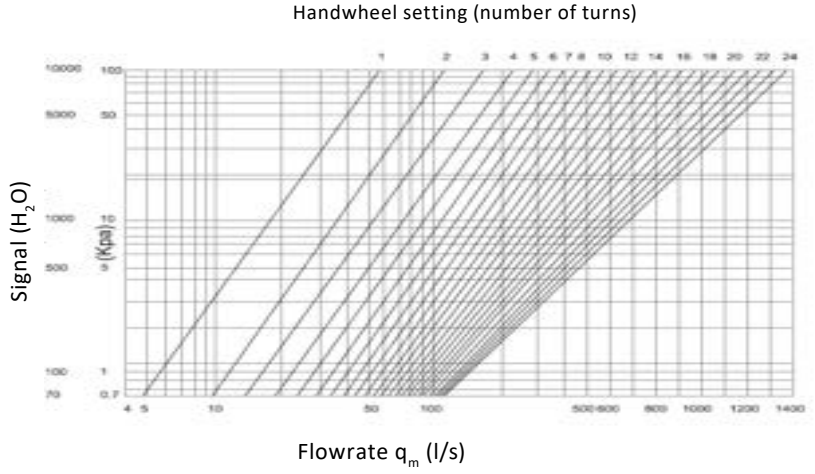
FSB DN 400	Setting	Kv (m^3/h)
	1	87
	2	175
	3	262
	4	350
	5	437
	6	525
	7	612
	8	699
	9	787
	10	874
	11	962
	12	1049
	13	1136
	14	1224
	15	1311
	16	1399
	17	1486
	18	1574
	19	1661
	20	1748
	21	1836
	22	1923
	23	2011
	24	2098

Flow Measurement Graphs

FSB DN 450	Setting	Kv (m^3/h)
	1	99
	2	198
	3	296
	4	395
	5	494
	6	593
	7	692
	8	791
	9	889
	10	988
	11	1087
	12	1186
	13	1285
	14	1384
	15	1482
	16	1581
	17	1680
	18	1779
	19	1878
	20	1977
	21	2075
	22	2174
	23	2273
	24	2372

FSB DN 500	Setting	Kv (m^3/h)
	1	110
	2	220
	3	330
	4	440
	5	550
	6	660
	7	770
	8	880
	9	990
	10	1100
	11	1210
	12	1320
	13	1430
	14	1540
	15	1650
	16	1760
	17	1870
	18	1980
	19	2090
	20	2200
	21	2310
	22	2420
	23	2530
	24	2640

Flow Measurement Graphs

FSB DN 600	Setting	Kv (m^3/h)
	1	206
	2	412
	3	617
	4	823
	5	1029
	6	1235
	7	1441
	8	1647
	9	1852
	10	2058
	11	2264
	12	2470
	13	2676
	14	2882
	15	3087
	16	3293
	17	3499
	18	3705
	19	3911
	20	4117
	21	4322
	22	4528
	23	4734
	24	4940

FIVC Static Balancing Valve

Ductile Iron – PN 25 – Fixed Orifice – EN 1092-2



FSB series

Technical data

Main features and materials

- Body: Ductile Iron
- Bonnet: Ductile Iron
- Disc: Ductile Iron - EPDM
- Stem: Stainless Steel
- Handwheel: Ductile Iron
- Dimensions: Face-to-Face acc. to BS 7350:1990
- Drilling: EN 1092-2 PN 25
- Standard: BS EN 12266-1.2003
- Testing: Shell pressure: 3.75 MPa
Seat pressure: 2.75 MPa
- UPS: Hydraulic system balance
Energy- and temperature optimzation

Field of applications

- Temperature range: -10 to 120°C
- Max. working pressure: 25 bar
- Accuracy of flow measurement: ±5%

- HVAC
- Cooling system
- Water distribution
- Oil distribution

Description

FIVC Static Balancing Valve is designed with integrated pressure probes to determine the flow rate through integrated fixed orifice. The valve controls hydraulic medium flow at HVAC plants and ensures load balance, hence contributes to energy and cost savings.

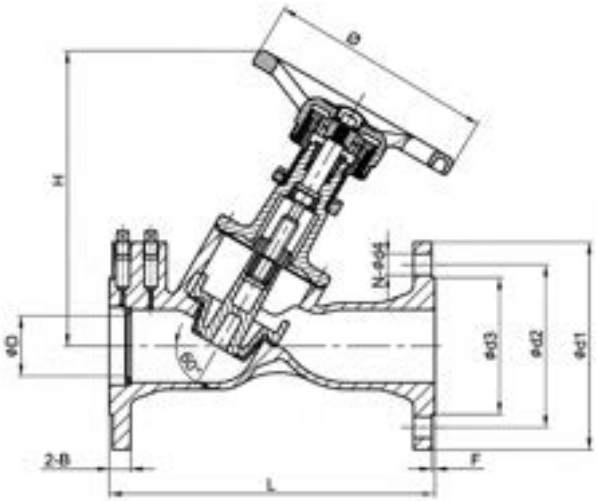
Further, the FIVC Balancing Valve does, through its reduction of media flow speed, prevents the water hammer phenomenon.

This valve is used for water, air, and oil.

Declaration

The product has been inspected and tested in accordance with the European PED Directive No 2014/68/EU, dated 15/05/2014.

Dimensions



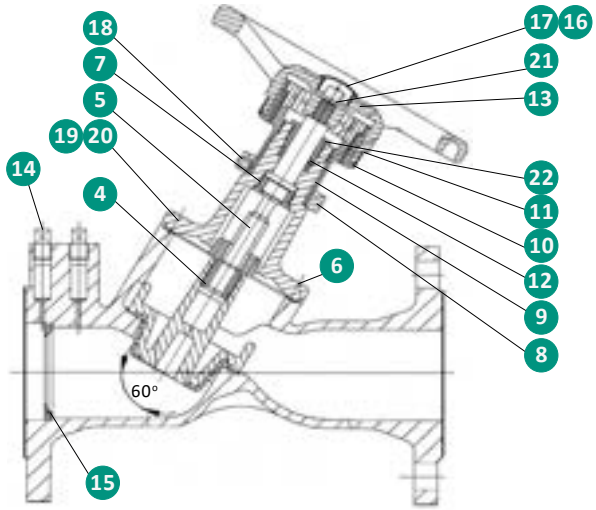
Product code	Size	H	L	B	Ø	ød1	ød2	ød3	N-ød4	F	øD	Kg
FSB065N25GF230	65	263	290	19	200	185	145	118	8-ø19	3	53.7±0.3	-
FSB080N25GF230	80	268	310	19	200	200	160	132	8-ø19	3	62.3±0.3	-
FSB100N25GF230	100	300	350	19	240	235	190	156	8-ø23	3	84.8±0.3	-
FSB125N25GF230	125	328	400	19	290	270	220	184	8-ø28	3	105±0.3	-
FSB150N25GF230	150	340	480	20	290	300	250	211	8-ø28	3	122.9±0.4	-
FSB200N25GF230	200	525	600	22	350	360	310	274	12-ø28	3	162.5±0.4	-
FSB250N25GF230	250	572	730	30.2	420	425	370	330	12-ø31	3	200±0.4	-
FSB300N25GF230	300	686	850	31.8	420	485	430	389	16-ø31	4	243±0.4	-
FSB350N25GF230	350	681	980	26.5	420	555	490	448	16-ø34	4	249±0.4	-
FSB400N25GF230	400	965	1100	28	640	620	550	503	16-ø37	4	284.3±0.5	-
FSB450N25GF230	450	972	1200	30	640	670	600	548	20-ø37	4	321±0.5	-
FSB500N25GF230	500	1065	1250	31.5	640	730	660	609	20-ø37	4	357.3±0.5	-
FSB600N25GF230	600	1180	1450	42	640	845	770	720	20-ø41	5	418.5±0.5	-

Dimensions are in millimeters

FIVC Static Balancing Valve

Ductile Iron – PN 25 – Fixed Orifice – EN 1092-2

Product Specification



N°	Name	Material
1	Body	Ductile Iron EN JS 1040/65-45-12
2	Seal gasket	EPDM
3	Disc	Ductile Iron EN JS 1040/65-45-12 +EPDM
4	Stem nut	Brass CW617N EN 12165
5	Stem	DN 65-150: Stainless Steel BS 970 410 S21 DN 200-500: Stainless Steel BS 970 431 S21 DN 600: Stainless Steel 630
6	Cover	Ductile Iron EN JS 1040
7	Stem lock bushing	Brass CW617N EN 12165
8	Limit set of indicator	Brass CW617N EN 12165 galvanized
9	Oriented set of indicator	Brass CW617N EN 12165
10	Directed circle	ABS plastic
11	Indicator	ABS plastic
12	Packing	PFTE+EPDM
13	Handwheel	Ductile Iron EN JS 1040/65-45-12
14	Plug	Steel
15	Orifice insert	DN 65-300: Brass CW617N EN 12165 DN 350-600: Stainless Steel BS 970 304 S15
16	Bolt	Stainless Steel BS 970 304 S15
17	Big gasket	Stainless Steel BS 970 304 S15
18	Hexagon socket screws	Stainless Steel BS 970 304 S15
19	Bolt	Stainless Steel BS 970 304 S15
20	Spring gasket	Stainless Steel BS 970 304 S15
21	Indicator dust cover	ABS plastic
22	Packing gland	DN 65-150: Brass CW617N EN 12165 DN 200-600: Ductile Iron EN JS 1040 /65-45-12

Flowrate calculation

The flow rate Q can be determined with the following formula:

$$Q = Kv_{venturi} \bullet \sqrt{\Delta p}$$

Refer to the $Kv_{venturi}$ values included in the table: Δp has to be measured through the pressure outlets.Use the following formula for the liquids having density p different from water:

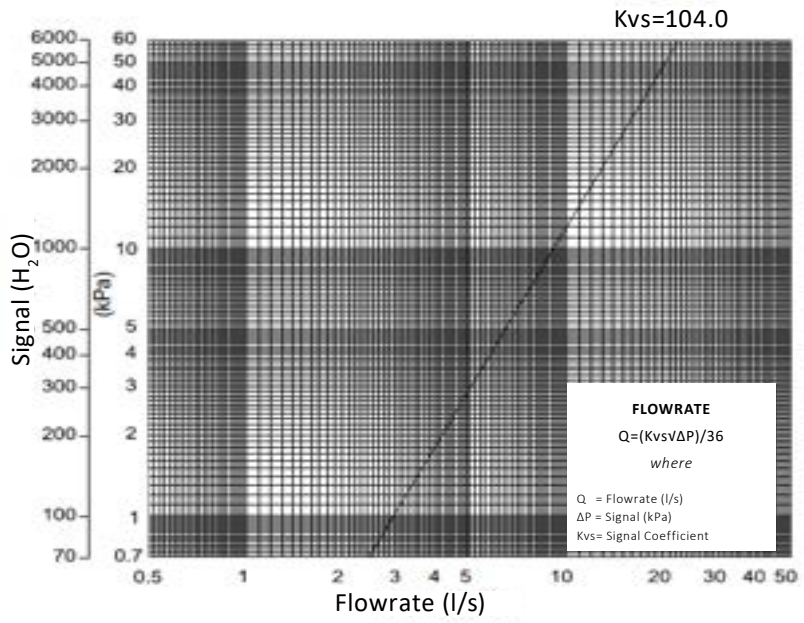
$$Q = Kv_{venturi} \bullet \sqrt{\Delta p/p}$$

FIVC Static Balancing Valve

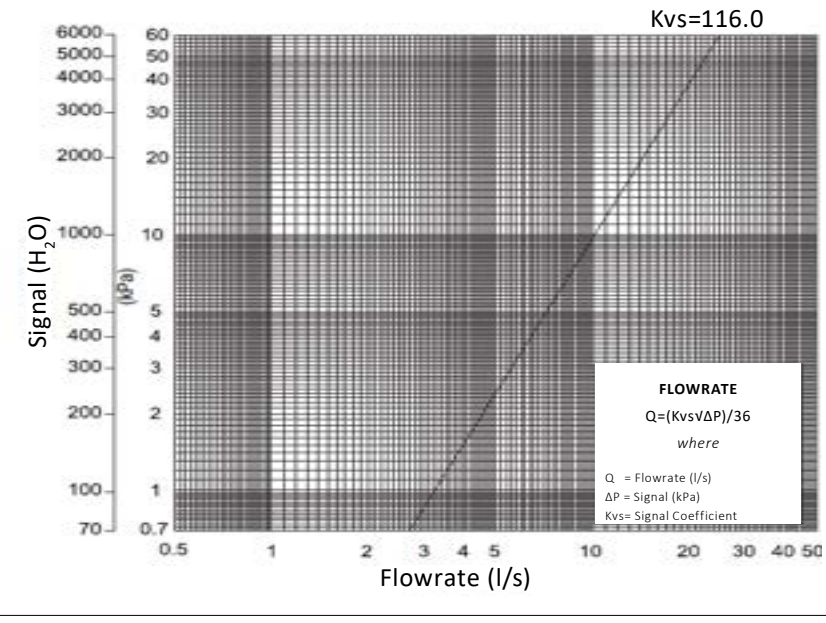
Ductile Iron – PN 25 – Fixed Orifice – EN 1092-2

Flow Measurement Graphs

FSB DN 65

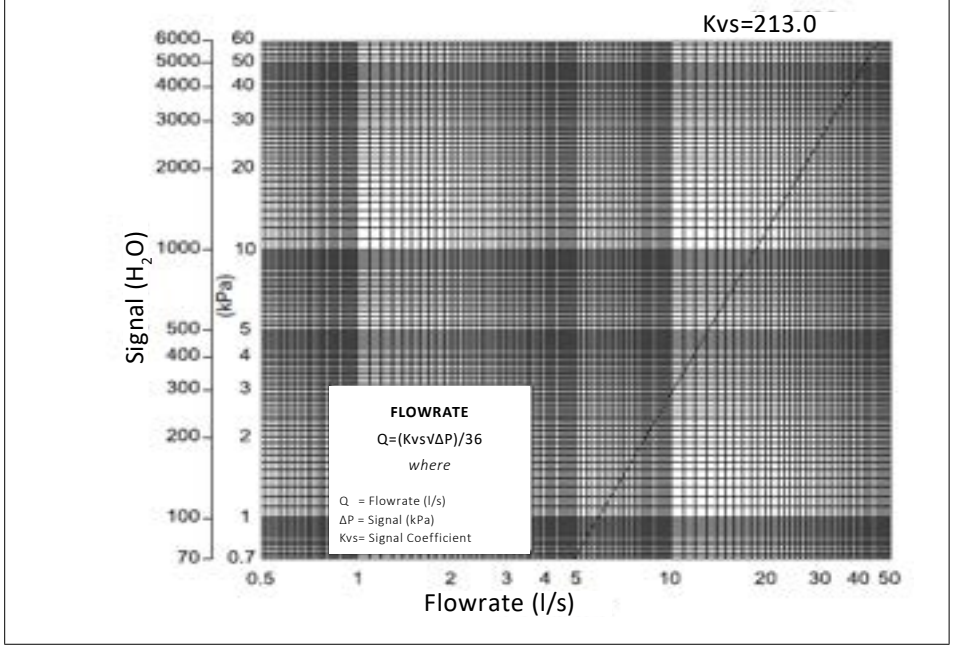


FSB DN 80

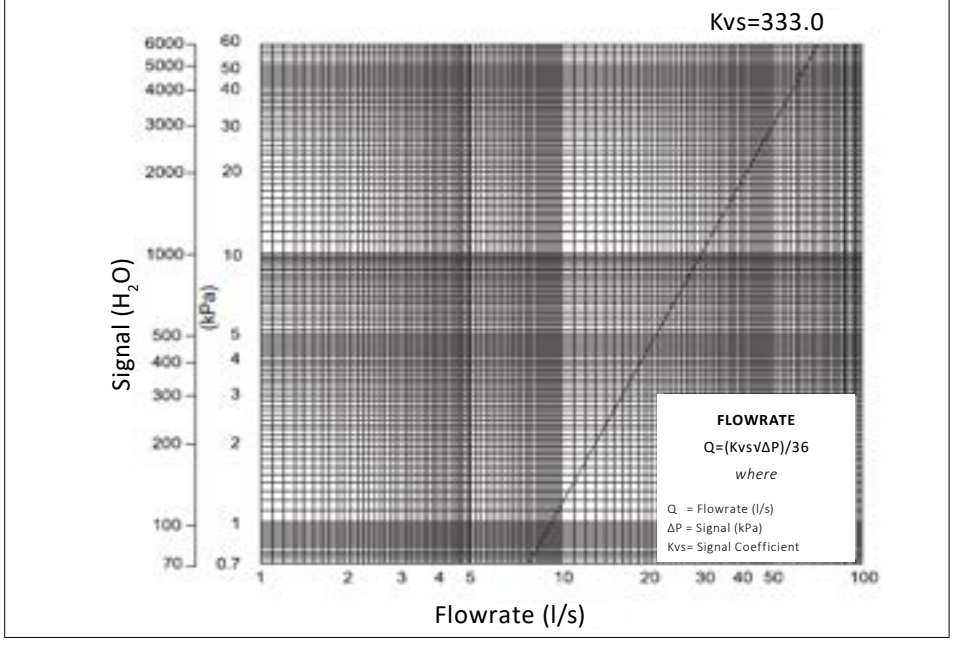


Flow Measurement Graphs

FSB DN 100

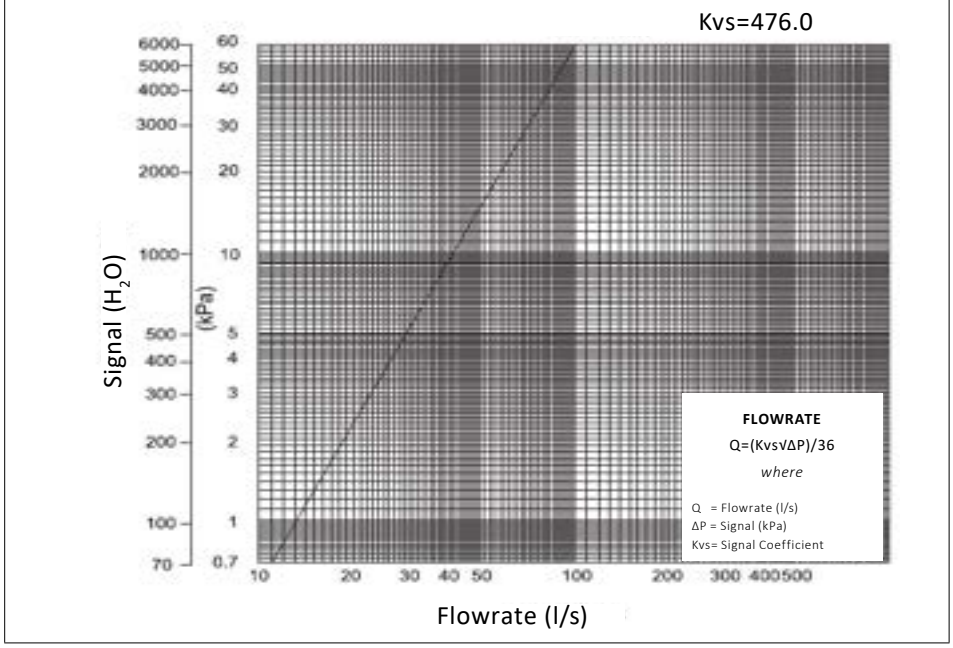


FSB DN 125

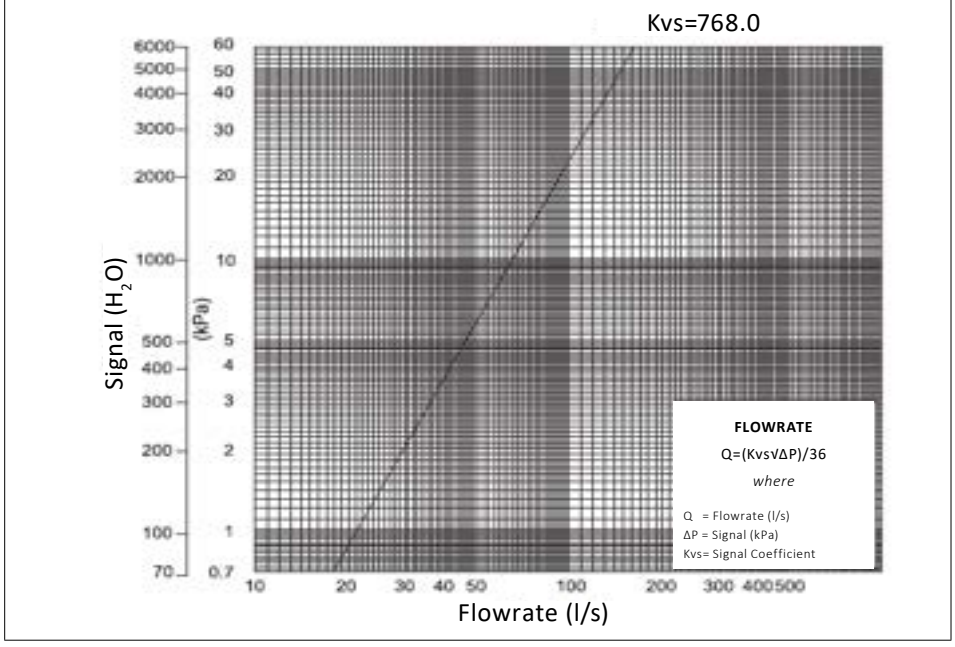


Flow Measurement Graphs

FSB DN 150

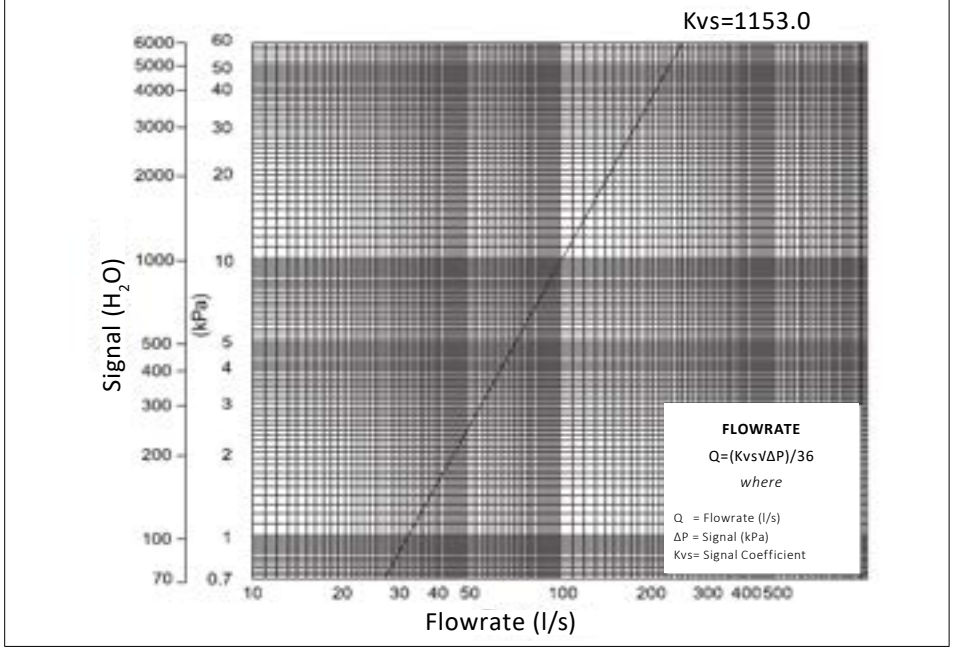


FSB DN 200

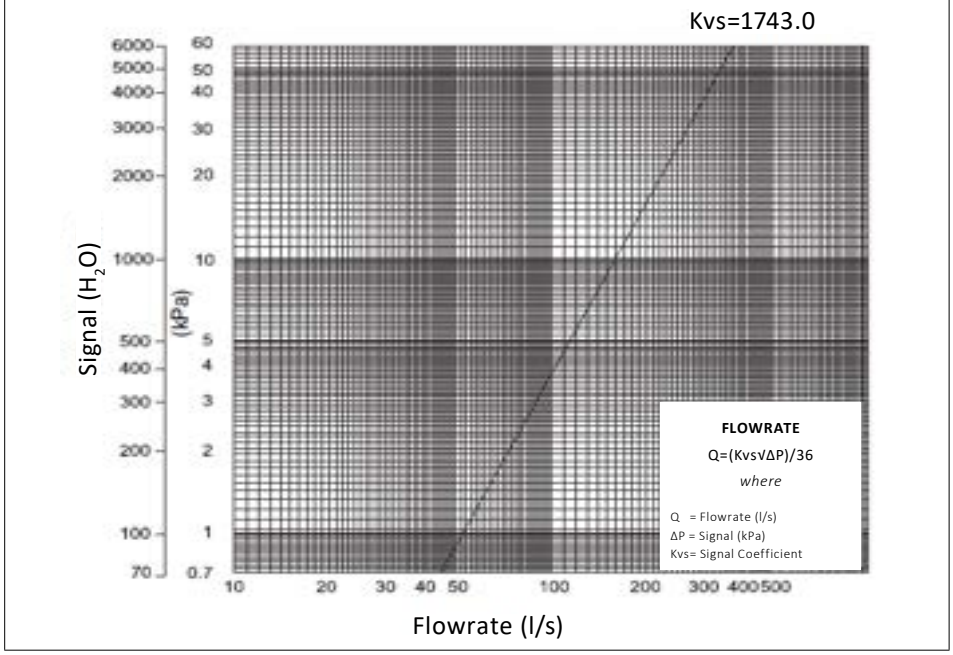


Flow Measurement Graphs

FSB DN 250

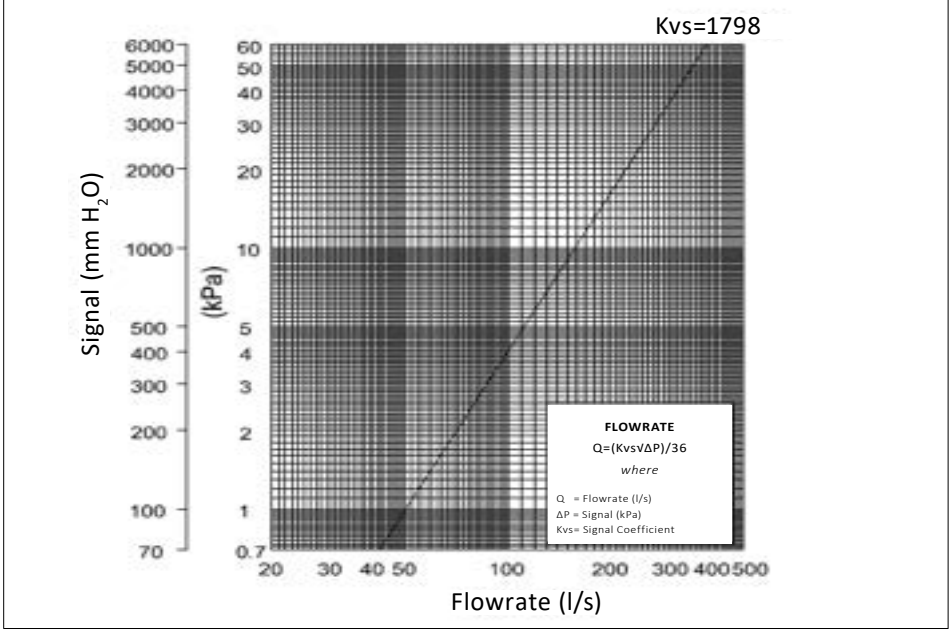


FSB DN 300

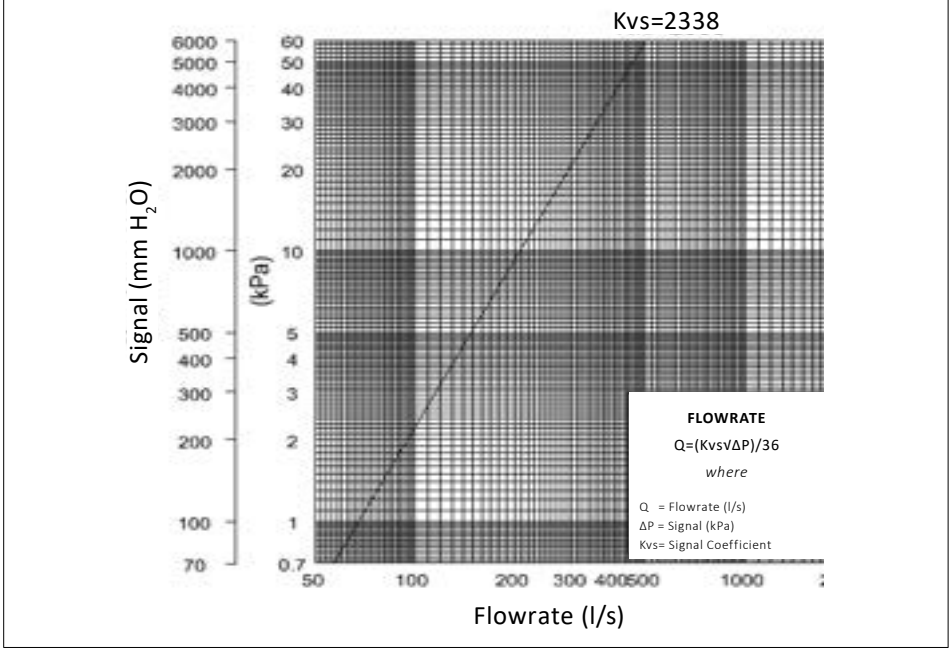


Flow Measurement Graphs

FSB DN 350

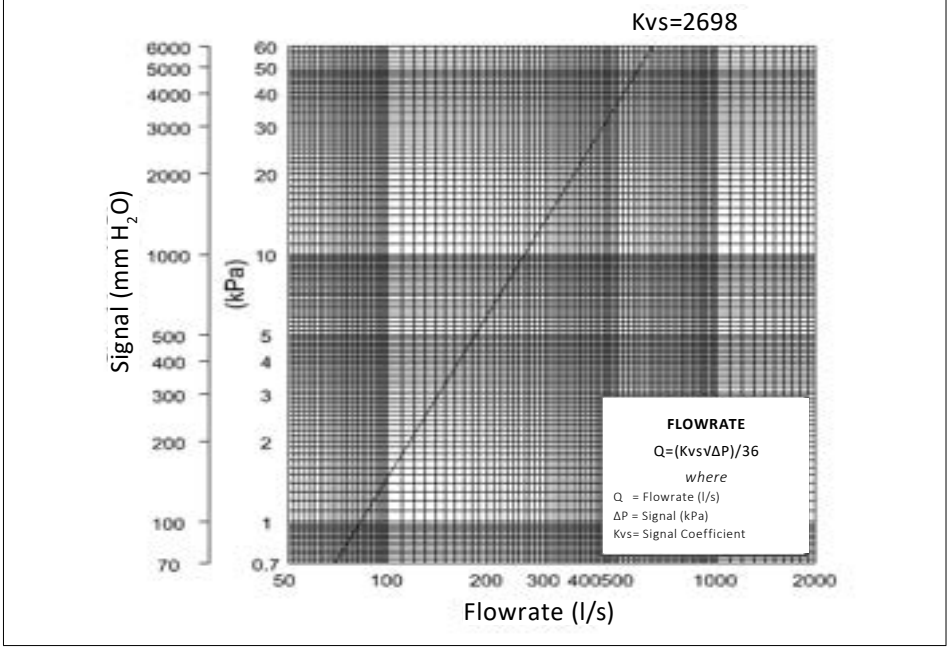


FSB DN 400

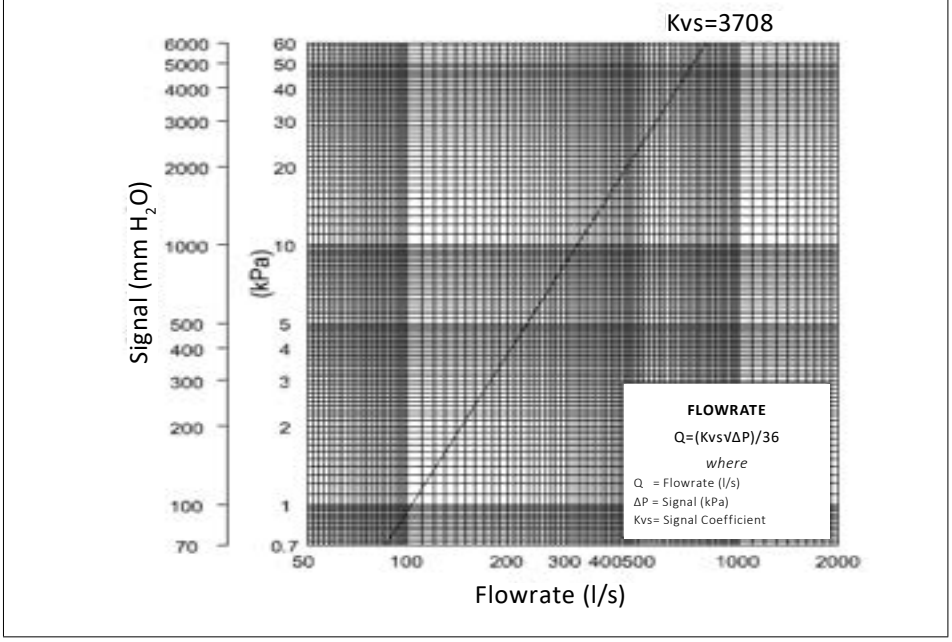


Flow Measurement Graphs

FSB DN 450

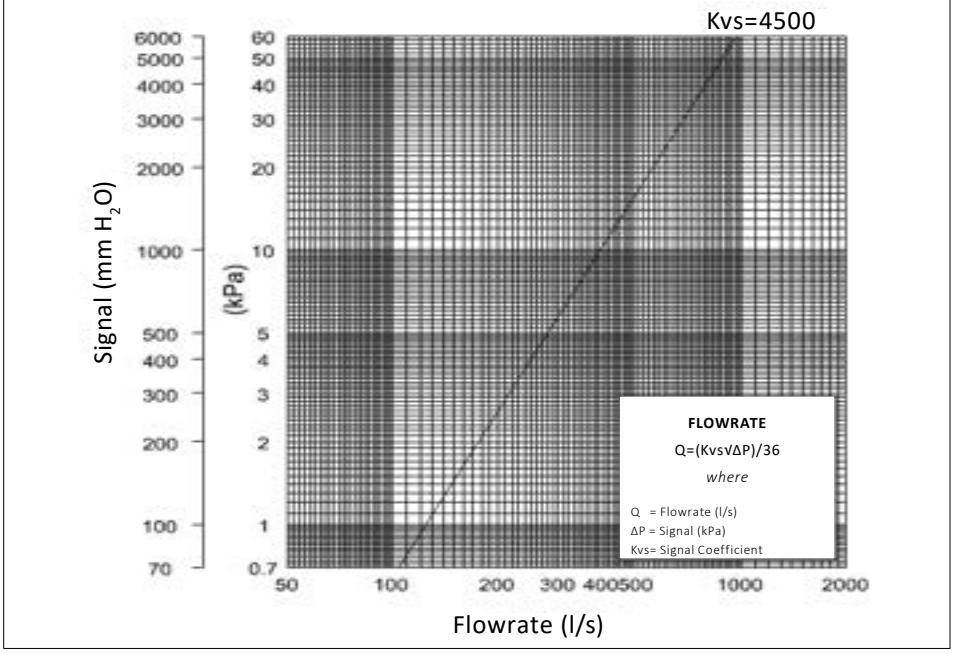


FSB DN 500



Flow Measurement Graphs

FSB DN 600



FIVC Static Balancing Valve

Ductile Iron – PN 25 – Variable Orifice – EN 1092-2



FSB series

Technical data

Main features and materials

- Body: Ductile Iron
- Bonnet: Ductile Iron
- Disc: Ductile Iron + EPDM
- Stem: Stainless Steel
- Handwheel: Ductile Iron
- Dimensions: Face-to-Face acc. to BS 7350:1990
- Drilling: EN 1092-2 PN 25
- Standard: BS EN 12266-1.2003
- Testing: Shell pressure 3.75 MPa
  Seat: pressure 2.75 MPa
- UPS: Hydraulic system balance
  Energy- and temperature optimzation

Field of applications

- Temperature range: -10 to 120°C
- Max. working pressure: 25 bar
- Accuracy of flow measurement: ±5%

- HVAC
- Cooling system
- Water distribution
- Oil distribution

Description

FIVC Static Balancing Valve is designed with integrated pressure probes to determine the flow rate through integrated variable orifice. The valve controls hydraulic medium flow at HVAC plants and ensures load balance, hence contributes to energy and cost savings.

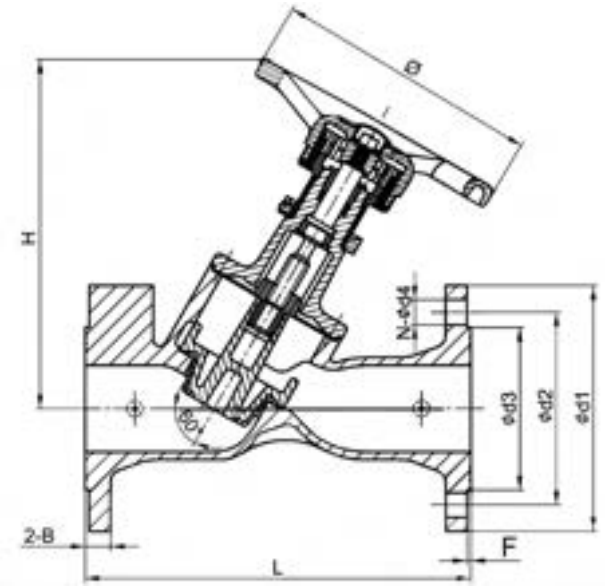
Further, the FIVC Balancing Valve does, through its reduc tion of media flow speed, prevents the water hammer phenomenon.

This valve is used for water, air, and oil.

Declaration

The product has been inspected and tested in accordance with the European PED Directive Nº 2014/68/EU, dated 15/05/2014.

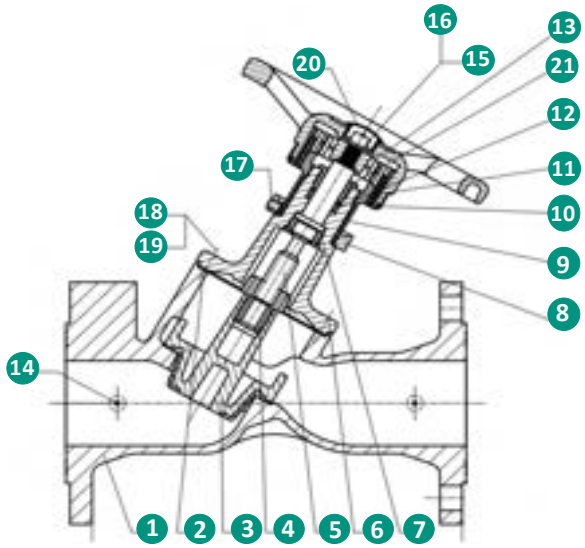
Dimensions



Product code	Size	H	L	B	Ø	ød1	ød2	ød3	N-ød4	F	Kg
FSB065N25GV230	65	263	290	19	200	185	145	118	8-ø19	3	17
FSB080N25GV230	80	268	310	19	200	200	160	132	8-ø19	3	20
FSB100N25GV230	100	300	350	19	240	235	190	156	8-ø23	3	29
FSB125N25GV230	125	328	400	19	290	270	220	184	8-ø28	3	40
FSB150N25GV230	150	340	480	20	290	300	250	211	8-ø28	3	52
FSB200N25GV230	200	525	600	22	350	360	310	274	12-ø28	3	113
FSB250N25GV230	250	572	730	24.5	420	425	370	330	12-ø31	3	185
FSB300N25GV230	300	686	850	27.5	420	485	430	389	16-ø31	4	248
FSB350N25GV230	350	681	980	30	420	555	490	448	16-ø34	4	408
FSB400N25GV230	400	965	1100	32	640	620	550	503	16-ø37	4	592
FSB450N25GV230	450	972	1200	34.5	640	670	600	548	20-ø37	4	836
FSB500N25GV230	500	1065	1250	36.5	640	730	660	609	20-ø37	4	684
FSB600N25GV230	600	1180	1450	42	640	845	770	720	20-ø41	5	1315

Dimensions are in millimeters

Product Specification



N°	Name	Material
1	Body	Ductile Iron EN JS 1040/65-45-12
2	Seal gasket	EPDM
3	Disc	Ductile Iron EN JS 1040/65-45-12 + EPDM
4	Stem nut	Brass CW617N EN 12165
5	Stem	DN 65-150: Stainless Steel BS 970 410 S21 DN 200-500: Stainless Steel BS 970 431 S29 DN 600: Stainless Steel 630
6	Cover	Ductile Iron EN JS 1040
7	Stem lock bushing	Brass CW617N EN 12165
8	Limit set of indicator	Brass CW617N EN 12165 galvanized
9	Oriented set of indicator	Brass CW617N EN 12165
10	Directed circle	ABS plastic
11	Indicator	ABS plastic
12	Packing	PTFE + EPDM
13	Handwheel	Ductile Iron EN JS 1040
14	Plug	Steel
15	Bolt	Stainless Steel BS 970 304 S15
16	Big gasket	Stainless Steel BS 970 304 S15
17	Hexagon socket screws	Stainless Steel BS 970 304 S15
18	Bolt	Stainless Steel BS 970 304 S15
19	Spring gasket	Stainless Steel BS 970 304 S15
20	Indicator dust cover	ABS plastic
21	Packing gland	DN 65-150: Brass CW617N EN 12165 DN 200-600: Ductile Iron EN JS 1040

Flowrate calculation

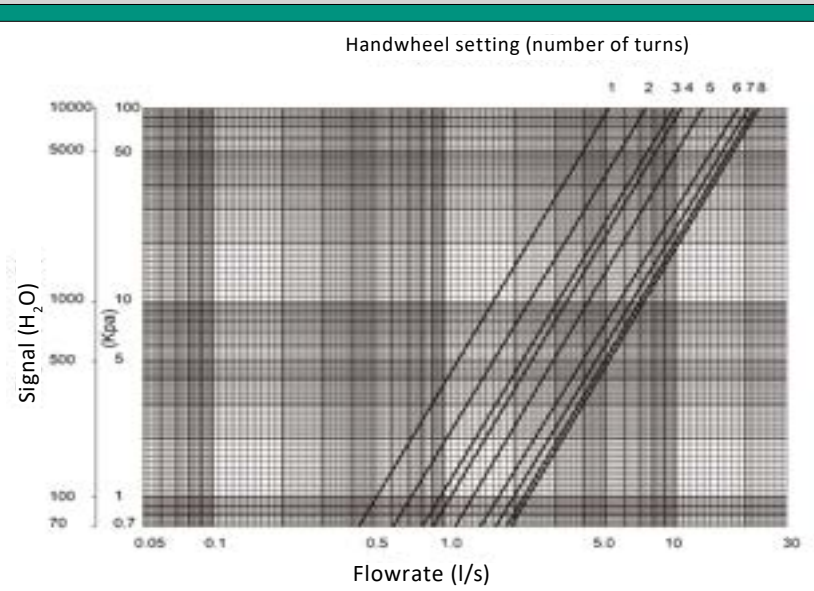
The flow rate Q can be determined with the following formula:

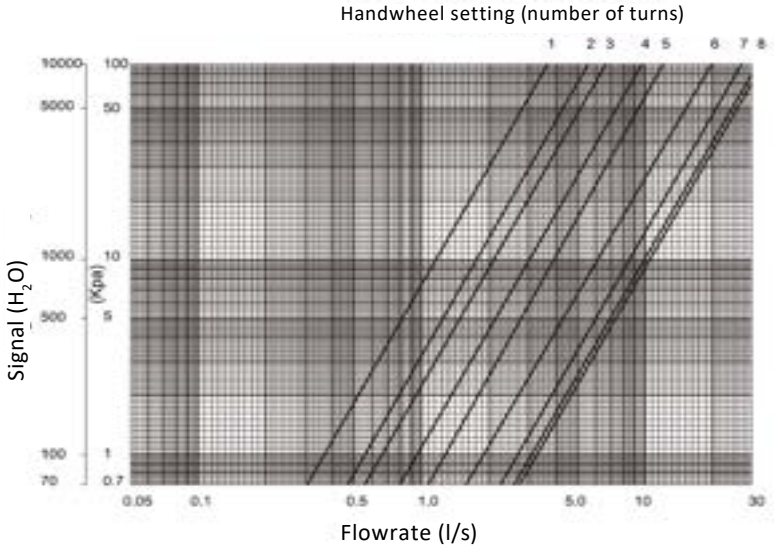
$$Q = Kv_{setting} \bullet \sqrt{\Delta p}$$

Refer to the $Kv_{setting}$ values included in the table: Δp has to be measured through the pressure outlets.Use the following formula for the liquids having density p different from water:

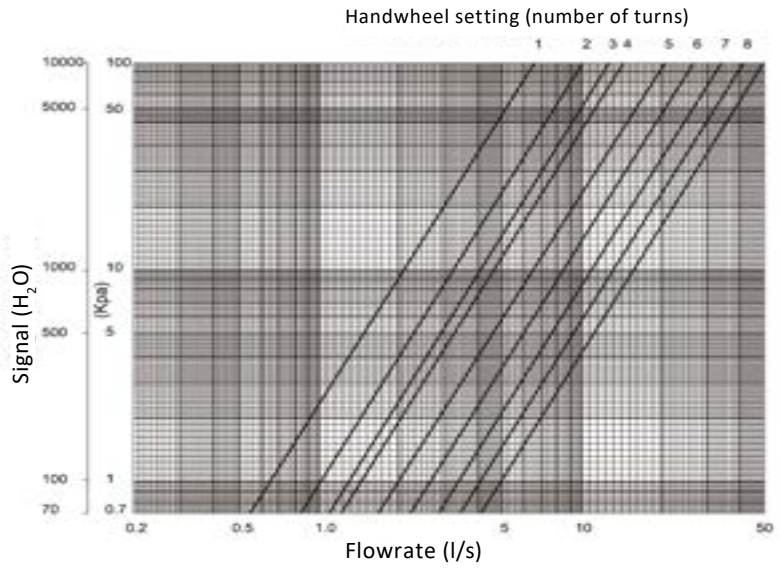
$$Q = Kv_{setting} \bullet \sqrt{\Delta p/p}$$

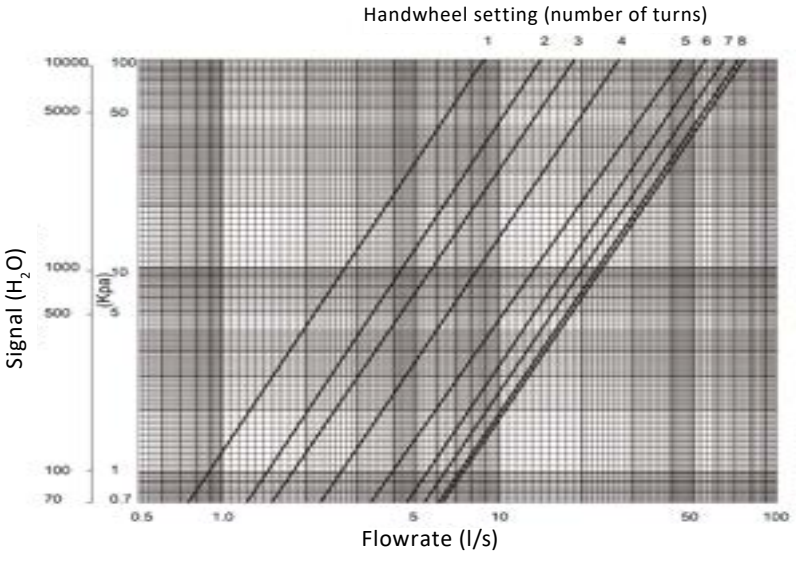
Flow Measurement Graphs

FSB DN 65	Setting	Kv (m^3/h)
	1	18.6
	2	26.8
	3	35.4
	4	38.7
	5	49.4
	6	65.5
	7	74.6
	8	80.2
	All open	83.8

FSB DN 80	Setting	Kv (m^3/h)
	1	13.3
	2	20.0
	3	24.1
	4	34.9
	5	45.9
	6	71.6
	7	98.8
	8	113.7
	All open	119.5

Flow Measurement Graphs

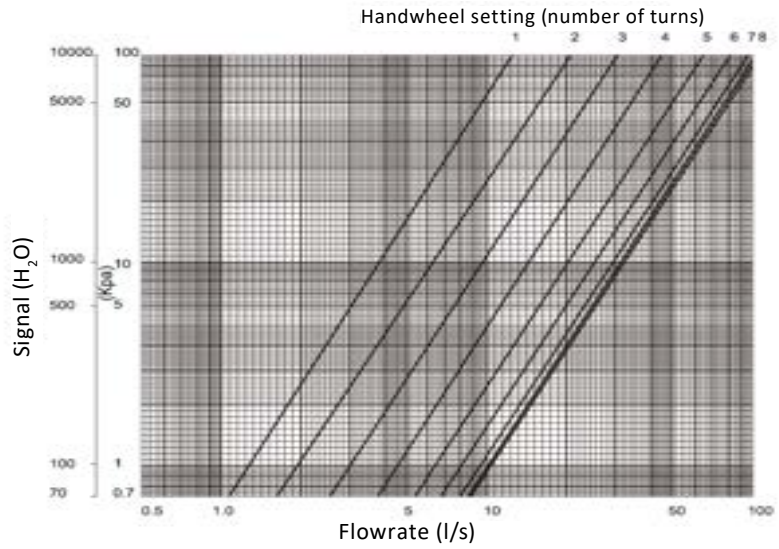
FSB DN 100	Setting	Kv (m^3/h)
	1	23.6
	2	36.6
	3	48.5
	4	55.2
	5	75.2
	6	97.9
	7	123.9
	8	149.4
	All open	178.7

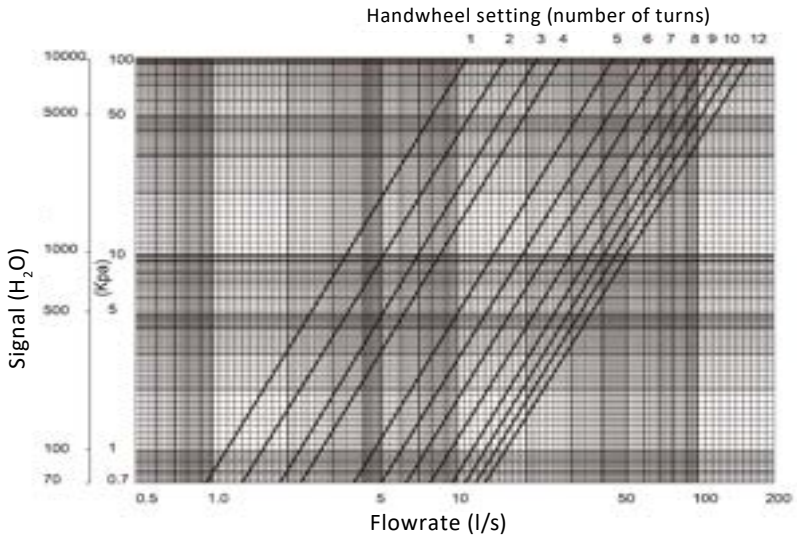
FSB DN 125	Setting	Kv (m^3/h)
	1	32.2
	2	55.6
	3	68.8
	4	98.0
	5	145.7
	6	199.1
	7	231.7
	8	260.5
	All open	272.7

FIVC Static Balancing Valve

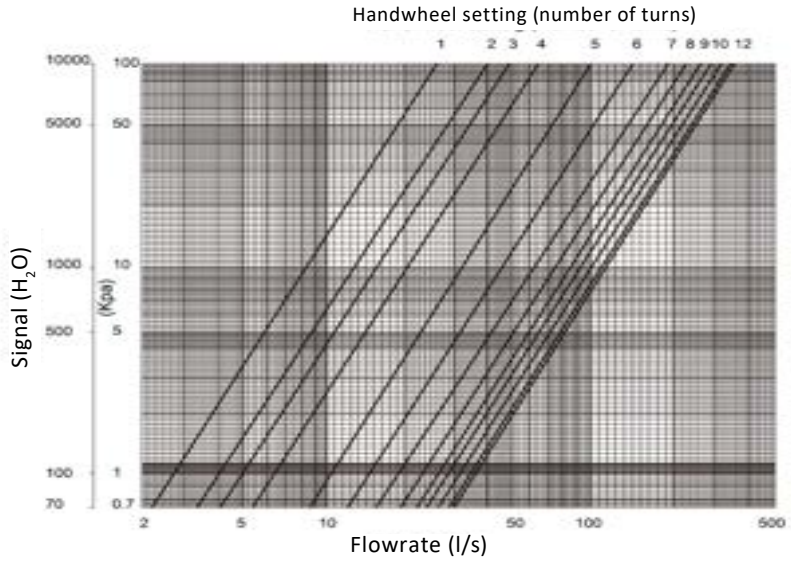
Ductile Iron – PN 25 – Variable Orifice – EN 1092-2

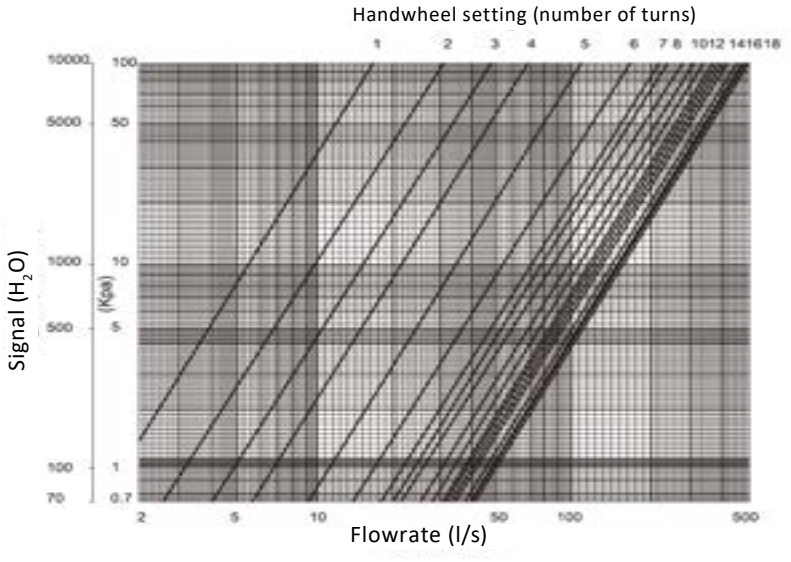
Flow Measurement Graphs

FSB DN 150	Setting	Kv (m^3/h)
	1	48
	2	75
	3	110
	4	162
	5	233
	6	294
	7	346
	8	371
	All open	380

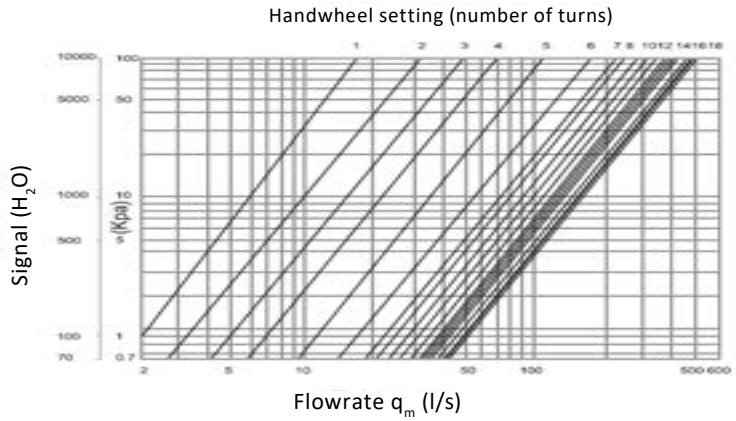
FSB DN 200	Setting	Kv (m^3/h)
	1	41
	2	61
	3	81
	4	99
	5	161
	6	215
	7	271
	8	339
	9	412
	10	482
	11	546
	12 (All open)	608

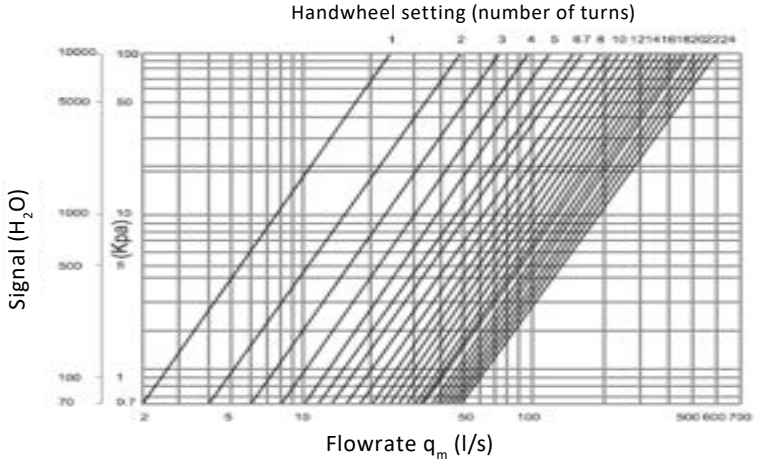
Flow Measurement Graphs

FSB DN 250	Setting	Kv (m^3/h)
	1	97
	2	146
	3	177
	4	232
	5	368
	6	543
	7	695
	8	832
	9	960
	10	1045
	11	1151
	12	1249
	All open	1292

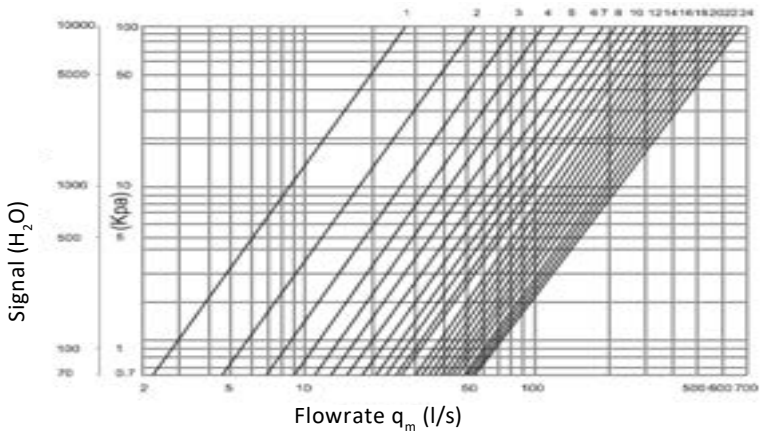
FSB DN 300	Setting	Kv (m^3/h)
	1	63
	2	113
	3	174
	4	245
	5	397
	6	628
	7	792
	8	873
	9	1002
	10	1112
	11	1223
	12	1331
	13	1383
	14	1444
	15	1505
	16	1639
	17	1707
	18	1730
	All open	1791

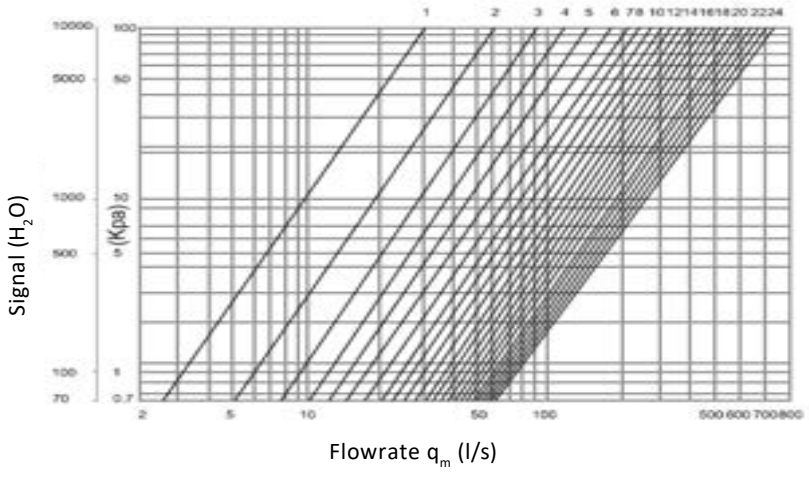
Flow Measurement Graphs

FSB DN 350	Setting	Kv (m^3/h)
	1	64
	2	115
	3	177
	4	250
	5	404
	6	639
	7	807
	8	889
	9	1020
	10	1132
	11	1246
	12	1355
	13	1409
	14	1470
	15	1533
	16	1669
	17	1739
	18	1762
	All open	1824

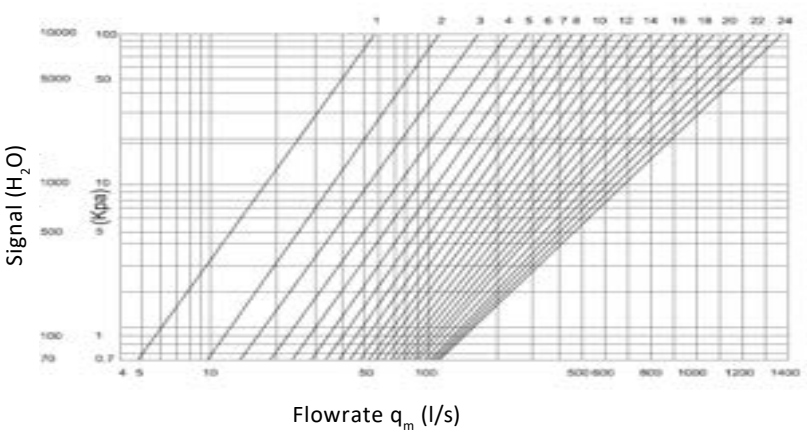
FSB DN 400	Setting	Kv (m^3/h)
	1	87
	2	175
	3	262
	4	350
	5	437
	6	525
	7	612
	8	699
	9	787
	10	874
	11	962
	12	1049
	13	1136
	14	1224
	15	1311
	16	1399
	17	1486
	18	1574
	19	1661
	20	1748
	21	1836
	22	1923
	23	2011
	24	2098

Flow Measurement Graphs

FSB DN 450	Setting	Kv (m^3/h)
	1	99
	2	198
	3	296
	4	395
	5	494
	6	593
	7	692
	8	791
	9	889
	10	988
	11	1087
	12	1186
	13	1285
	14	1384
	15	1482
	16	1581
	17	1680
	18	1779
	19	1878
	20	1977
	21	2075
	22	2174
	23	2273
	24	2372

FSB DN 500	Setting	Kv (m^3/h)
	1	110
	2	220
	3	330
	4	440
	5	550
	6	660
	7	770
	8	880
	9	990
	10	1100
	11	1210
	12	1320
	13	1430
	14	1540
	15	1650
	16	1760
	17	1870
	18	1980
	19	2090
	20	2200
	21	2310
	22	2420
	23	2530
	24	2640

Flow Measurement Graphs

FSB DN 600	Setting	Kv (m^3/h)
	1	206
	2	412
	3	617
	4	823
	5	1029
	6	1235
	7	1441
	8	1647
	9	1852
	10	2058
	11	2264
	12	2470
	13	2676
	14	2882
	15	3087
	16	3293
	17	3499
	18	3705
	19	3911
	20	4117
	21	4322
	22	4528
	23	4734
	24	4940

ORIFICE PLATES



Feature	Precision-engineered to accurately measure fluid flow rates based on pressure differentials.
Data-driven decision-making	Silent observer of fluid dynamics, offering accurate measurement and invaluable data collection.
Corrosion resistance	Of corrosion-resistant materials to withstand harsh environments.
Green responsibility	Maintains system integrity, empowers operation optimization and productivity maximization ensuring sustainability goals.
Low maintenance	Requires minimal upkeep due to its design and quality materials.



- Accurate flow/pressure drop measurement
- System efficiency
- Eliminating unnecessary energy consumption
- Space saving

ISH 2025

FIVC Orifice Plate

Stainless Steel – PN 16 – Wafer – EN 1092-2



FOP series

Technical data

Main features and materials

- Body: Stainless Steel
- Extension rod: Stainless Steel
- Test points: DZR Brass
- USP: Upstream/downstream identification colors for test points.
  Horizontal and vertical installation.
  Accurate flow measurement
  Cost and maintenance efficient

Field of applications

- Temperature range: -20 to 120 °C
- Max. working pressure: 16 bar

- Heating and chilled water HVAC systems

Description

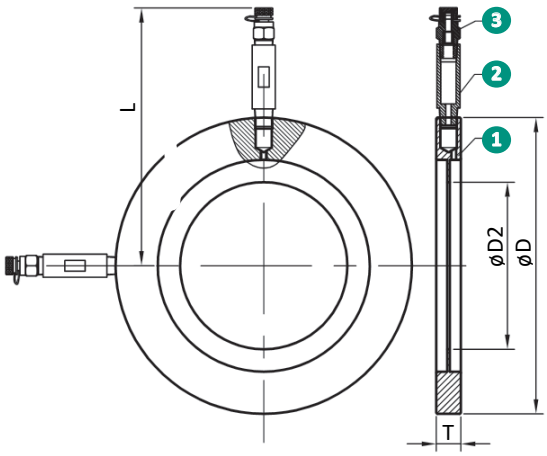
FIVC Orifice Plate is a precision manufactured product that has the purpose to measure the acurate water flow in HVAC systems. With its robust design, this Orifice Plate can fit between many sizes of EN 1092-2 flanges. In order to be able to identify upstream and downstream ports, two different colors are used for the integrated orifice test points *(Upstream: Red - Downstream: Blue).*

Please note that the fluid to be transported is limited to non-hazardous Group 2 liquids and on no account must the metering station be used on Group 1 gases, Group 1 liquids and Group 2 gases.

Declaration

The product has been manufactured and tested in accordance with the European PED Directive No 2014/68/EU, dated 15/05/2014 and is CE marked.

Dimensions



Product Information

Product code	Size	L	ØD	øD2	T	Kvs	Kg
FOP050ST16511	50	135.5	108.0	39.0	20	47.5	1.3
FOP065ST16511	65	145.0	127.0	54.0	20	88.6	1.7
FOP080ST16511	80	152.5	142.0	65.0	20	150.6	2.0
FOP100ST16511	100	163.3	163.5	84.0	20	281.1	2.3
FOP125ST16511	125	178.3	193.5	103.0	20	328.8	3.0
FOP150ST16511	150	191.5	220.0	125.2	20	477.5	3.3
FOP200ST16511	200	218.8	274.5	164.0	20	826.0	4.7
FOP250ST16511	250	246.5	330.0	202.5	20	1218.0	5.9
FOP300ST16511	300	274.0	385.0	243.5	20	1794.0	7.6
FOP350ST16511	350	304.0	445.0	270.0	20	2128.3	12.3
FOP400ST16511	400	329.0	495.0	308.0	20	2765.8	14.0
FOP450ST16511	450	359.0	555.0	342.0	30	3375.4	25.7
FOP500ST16511	500	390.0	617.0	388.0	30	4407.1	32.1
FOP600ST16511	600	448.5	734.0	478.0	30	6860.9	41.8

**Dimensions are in millimeters • The CV and KV values are related to the differential pressure.*

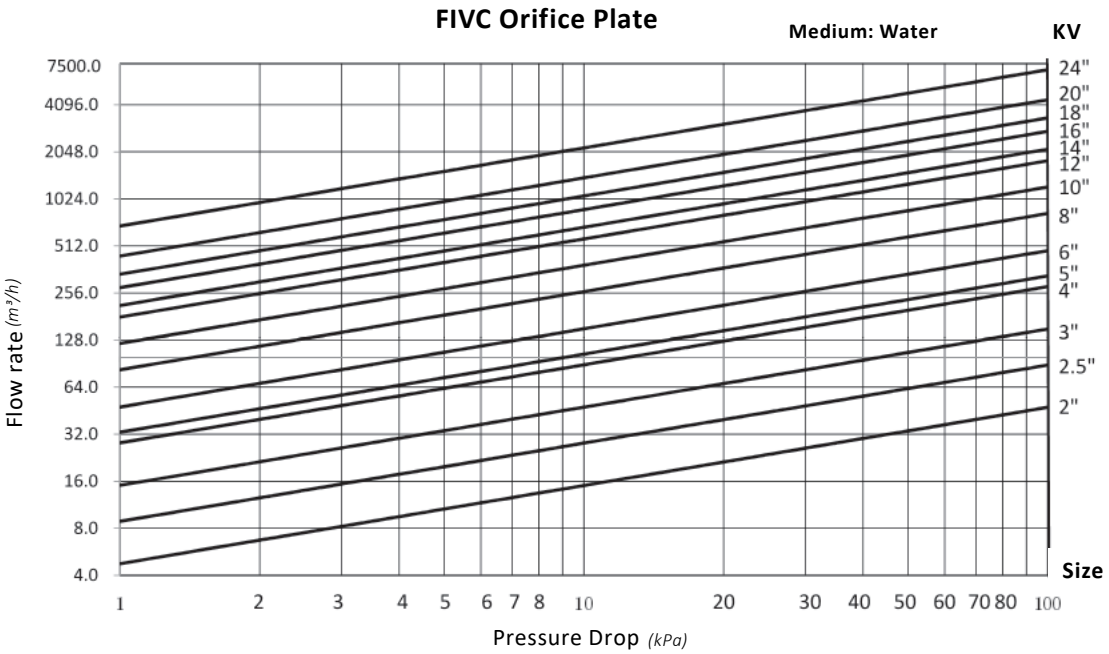
Product Specification

N°	Name	Material
1	Body	Stainless Steel SS 304
2	Extension rod	Stainless Steel SS 304
3	Test point	DZR Brass

FIVC Orifice Plate

Stainless Steel – PN 16 – Wafer – EN 1092-2

Flowrate Measurement Graph



FIVC Orifice Plate

Stainless Steel – PN 40 / PN 25 – Wafer – EN 1092-2



FOP series

Technical data

Main features and materials

- Body: Stainless Steel
- Extension rod: Stainless Steel
- Test points: DZR Brass
- USP: Upstream/downstream identification colors for test points.
  Horizontal and vertical installation.
  Accurate flow measurement
  Cost and maintenance efficient

Field of applications

- Temperature range: -20 to 120 °C
- Max. working pressure: 40 bar (DN 50 - 200)
- Max. working pressure: 25 bar (DN 250 - 600)

- Heating and chilled water HVAC systems

Description

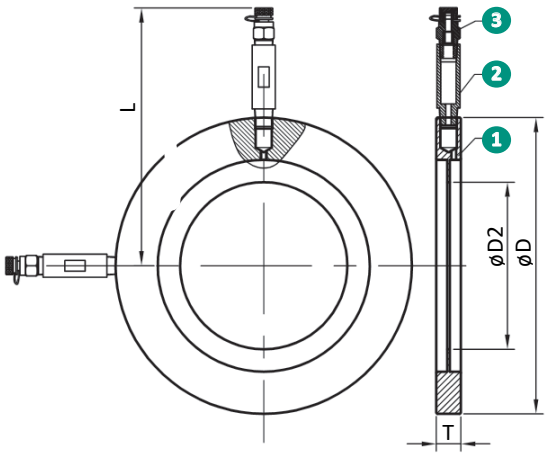
FIVC Orifice Plate is a precision manufactured product that has the purpose to measure the acurate water flow in HVAC systems. With its robust design, this Orifice Plate can fit between many sizes of EN 1092-2 flanges. In order to be able to identify upstream and downstream ports, two different colors are used for the integrated orifice test points *(Upstream: Red - Downstream: Blue).*

Please note that the fluid to be transported is limited to non-hazardous Group 2 liquids and on no account must the metering station be used on Group 1 gases, Group 1 liquids and Group 2 gases.

Declaration

The product has been manufactured and tested in accordance with the European PED Directive No 2014/68/EU, dated 15/05/2014 and is CE marked.

Dimensions



Product Information

Product code	Size	L	ØD	øD2	T	MWP	Kvs	Kg
FOP050ST25511	50	135.5	108.0	39.0	20	25/40	47.5	1.3
FOP065ST25511	65	145.0	127.0	54.0	20	25/40	88.6	1.7
FOP080ST25511	80	152.5	142.0	65.0	20	25/40	150.6	2.0
FOP100ST25511	100	165.5	168.0	84.0	20	25/40	281.1	2.5
FOP125ST25511	125	178.5	194.0	103.0	20	25/40	328.8	3.0
FOP150ST25511	150	193.5	224.0	125.2	20	25/40	477.5	3.6
FOP200ST40511	200	226.5	290.0	164.0	25	40	826.0	7.1
FOP200ST25511	200	223.5	284.0	164.0	20	25	826.0	5.3
FOP250ST25511	250	251.5	340.0	202.5	20	25	1218.0	6.8
FOP300ST25511	300	281.5	400.0	243.5	20	25	1794.0	9.0
FOP350ST25511	350	310.0	457.0	270.0	20	25	2128.3	13.7
FOP400ST25511	400	338.5	514.0	308.0	20	25	2765.8	16.4
FOP450ST25511	450	363.5	564.0	342.0	30	25	3375.4	27.0
FOP500ST25511	500	393.5	624.0	388.0	30	25	4407.1	32.5
FOP600ST25511	600	446.5	730.0	478.0	30	25	6860.9	39.6

Dimensions are in millimeters

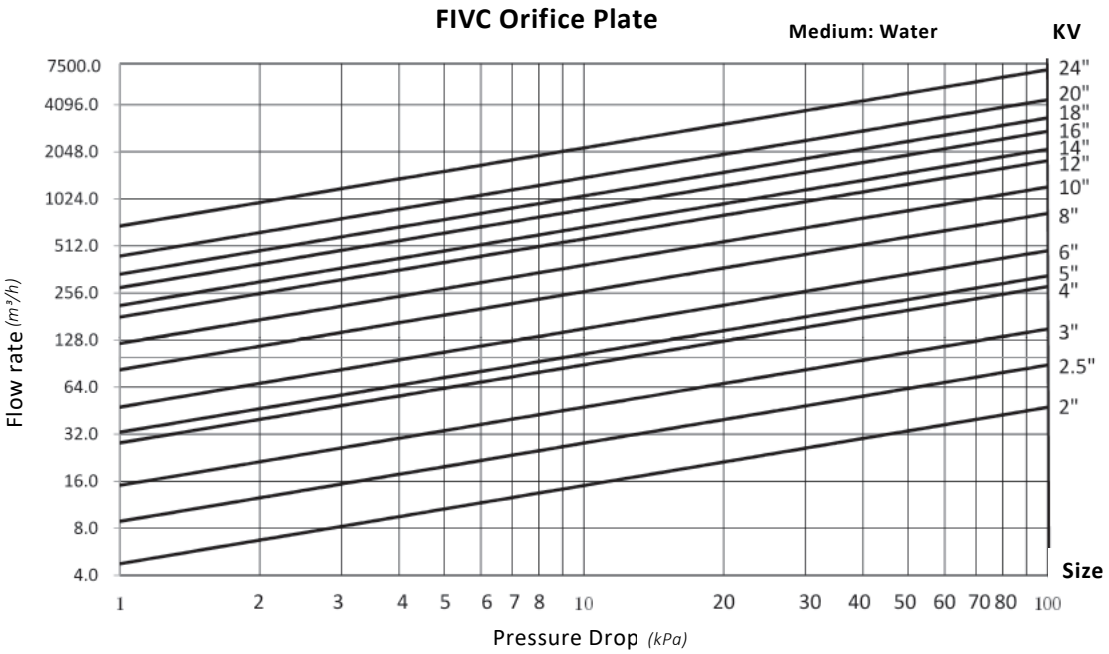
Product Specification

N°	Name	Material
1	Body	Stainless Steel SS 304
2	Extension rod	Stainless Steel SS 304
3	Test point	DZR Brass

FIVC Orifice Plate

Stainless Steel – PN 40 / PN 25 – Wafer – EN 1092-2

Flowrate Measurement Graph



2-WAY VALVES



Feature	Simple, quick, and precise flow isolation facilitates seamless operation and reliability.
Corrosion resistance	Of durable materials, exhibiting excellent corrosion resistance, ensuring longevity and performance in harsh environments.
Green responsibility	Designed for optimal flow efficiency with minimal energy loss, contributing to sustainable operations and cost savings.
Space optimizer	Maximize space efficiency, ideal for tight installations.
Adaptability	Easy adaptability and integration into various systems and environments, providing flexibility and compatibility across a range of industries and processes.
Low maintenance	Requires minimal upkeep due to its robust design and quality materials, reducing downtime and lifecycle costs.



- Excellent control performance
- ON-OFF or 3-Point floating control
- Leakage tightness
- Fast response time
- Low-power consumption

Available as

Ball valve

Globe valve

ISH 2025

FIVC Motorized Globe Valve

Brass – PN 16 – ON-OFF – Normally closed – ISO 228



F2GL series

Technical data

Main features and materials

• Body:	Forged Brass
• Trim:	Forged Brass
• Seal:	Forged Brass
• O-Ring:	EPDM/NBR
• Shaft:	Stainless Steel
• Spring:	Stainless Steel
• Packing:	EPDM/NBR
• Actuator type:	ON-OFF actuator
• Voltage:	220V AC 50/60 Hz
• Power:	6 W
• IP class:	IP40
• Drive force:	196.2 N
• Stroke:	3 mm (max. 5 mm)
• Operating time:	Opening: ≤10 sec. Closing: ≤5 sec.
• Cable length:	50 cm
• USP:	Integrated failsafe Manual disc operation mode

Field of applications

• Max. medium temperature:	1 to 95 °C
• Max. temperature of actuator:	100 °C
• Max. working pressure:	16 bar
• Max. closing pressure:	5 bar

- Industrial cold/hot water plants
- Refrigeration and air conditioning

Description

FIVC Motorized Globe Valve is designed to control the flow by opening and closening through its reliable ON-OFF actuator.

The valve is commonly used in fan coil units, cooling ceilings or cooling/heating ends and is electrically connected with a room thermostat or temperature controller. The valve reacts by opening or closing to maintain temperature according to the temperature setpoint on the temperature controller.

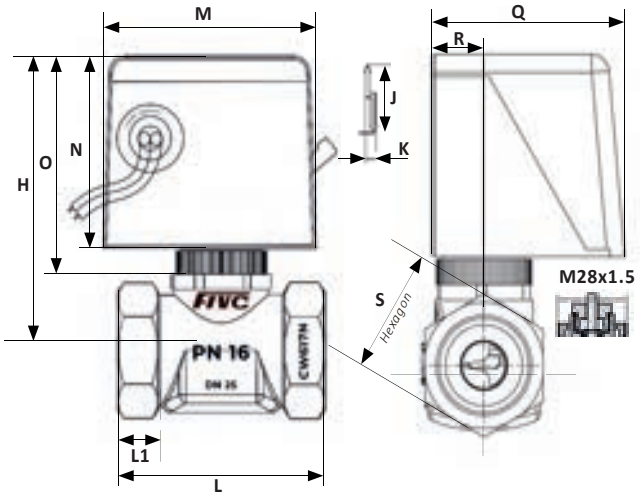
Benefits are quick response time, reduced operating energy consumption, long lifespan, and ensured leakage tightness.

Besides, the valve has an intergrated failsafe that ensures immediate fluid stop to a specific location in case of power loss. The actuator includes an integrated clutch that enables operating the valve manually. The valve is suitable for water.

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive Nº 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



Product code	Size (DN)	L	L1	H	S	Kvs	Kg
F2GL015B16C01	15	55	≥13	101	26	1.6	0.65
F2GL020B16C01	20	60	≥13.5	104	31	2.5	0.68
F2GL025B16C01	25	71	≥17	107	38	4.0	0.75

Dimensions are in millimeters

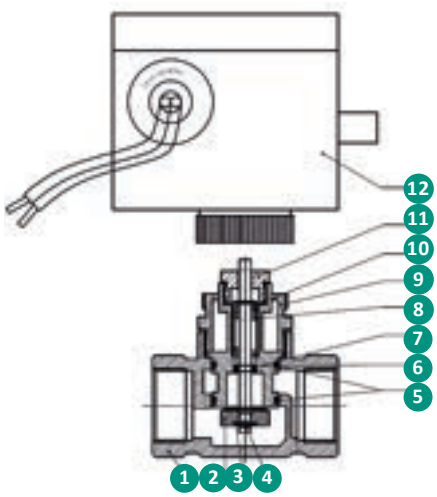
Actuator dimensions					J	K
M	N	O	Q	R		
74.8	62	75	65	17.5	30.2	5.2

Dimensions are in millimeters

FIVC Motorized Globe Valve

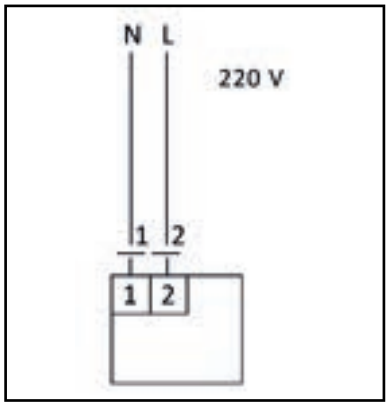
Brass – PN 16 – ON-OFF – Normally closed – ISO 228

Product Specification



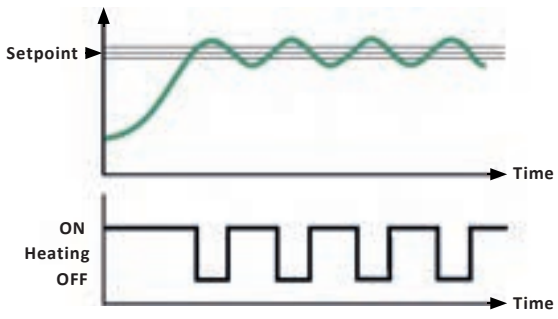
N°	Name	Material
1	Body	Forged Brass
2	Seal parts	Brass+Plastic
3	Ret. ring (E-type open)	Stainless Steel 304
4	Shaft	Stainless Steel
5	O-Ring	EPDM/NBR (ø21x1.8)
6	Cone	Forged Brass
7	Seal parts	EPDM/NBR
8	Spring	Stainless Steel 304
9	Joint	Forged Brass
10	Spring seat	Forged Brass
11	Cap	Forged Brass
12	Electrical actuator	-

Wiring Diagram



Characteristics of control action

ON/OFF control action



FIVC Motorized Globe Valve

Brass – PN 16 – ON-OFF – Normally closed – ISO 228



F2GL series

Technical data

Main features and materials

• Body:	Forged Brass
• Trim:	Forged Brass
• Seal:	Forged Brass
• O-Ring:	EPDM/NBR
• Shaft:	Stainless Steel
• Spring:	Stainless Steel
• Packing:	EPDM/NBR
• Actuator type:	ON-OFF actuator
• Voltage:	24V DC
• Power:	6 W
• IP class:	IP40
• Drive force:	196.2 N
• Stroke:	3 mm (max. 5 mm)
• Operating time:	Opening: ≤10 sec. Closing: ≤5 sec.
• Cable length:	50 cm
• USP:	Integrated failsafe Manual disc operation mode

Field of applications

• Max. medium temperature:	1 to 95 °C
• Max. temperature of actuator:	100 °C
• Max. working pressure:	16 bar
• Max. closing pressure:	5 bar

- Industrial cold/hot water plants
- Refrigeration and air conditioning

Description

FIVC Motorized Globe Valve is designed to control the flow by opening and closening through its reliable ON-OFF actuator.

The valve is commonly used in fan coil units, cooling ceilings or cooling/heating ends and is electrically connected with a room thermostat or temperature controller. The valve reacts by opening or closing to maintain temperature according to the temperature setpoint on the temperature controller.

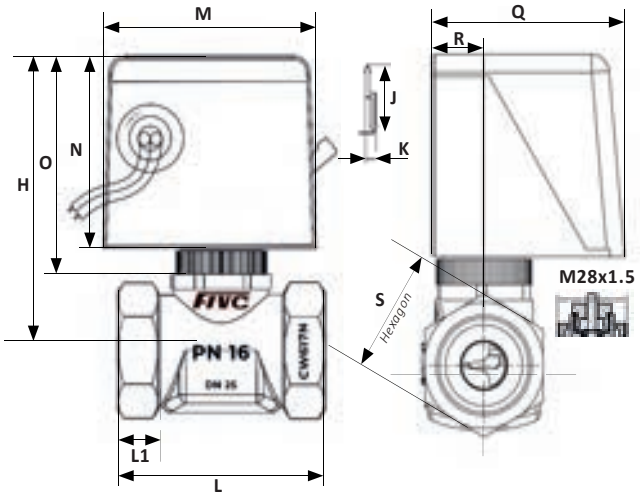
Benefits are quick response time, reduced operating energy consumption, long lifespan, and ensured leakage tightness.

Besides, the valve has an intergrated failsafe that ensures immediate fluid stop to a specific location in case of power loss. The actuator includes an integrated clutch that enables operating the valve manually. The valve is suitable for water.

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



Product code	Size (DN)	L	L1	H	S	Kvs	Kg
F2GL015B16C24	15	55	≥13	101	26	1.6	0.65
F2GL020B16C24	20	60	≥13.5	104	31	2.5	0.68
F2GL025B16C24	25	71	≥17	107	38	4.0	0.75

Dimensions are in millimeters

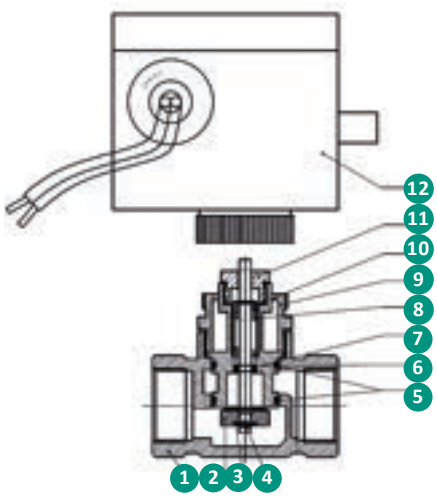
Actuator dimensions					J	K
M	N	O	Q	R		
74.8	62	75	65	17.5	30.2	5.2

Dimensions are in millimeters

FIVC Motorized Globe Valve

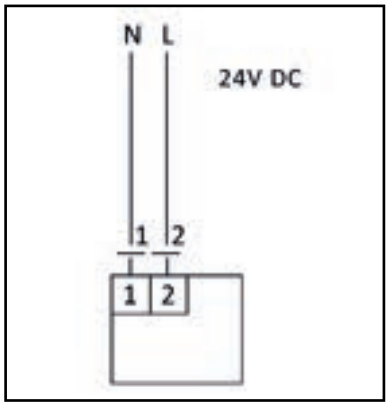
Brass – PN 16 – ON-OFF – Normally closed – ISO 228

Product Specification



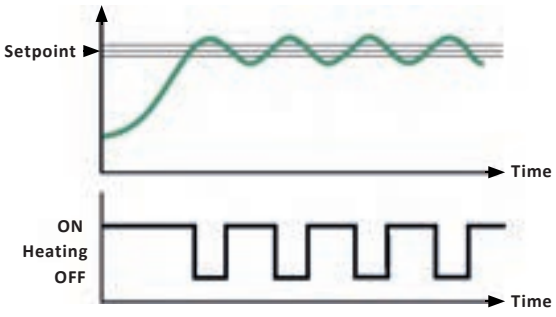
N°	Name	Material
1	Body	Forged Brass
2	Seal parts	Brass+Plastic
3	Ret. ring (E-type open)	Stainless Steel 304
4	Shaft	Stainless Steel
5	O-Ring	EPDM/NBR (ø21x1.8)
6	Cone	Forged Brass
7	Seal parts	EPDM/NBR
8	Spring	Stainless Steel 304
9	Joint	Forged Brass
10	Spring seat	Forged Brass
11	Cap	Forged Brass
12	Electrical actuator	-

Wiring Diagram



Characteristics of control action

ON/OFF control action



FIVC Motorized Ball Valve *Brass – PN 20 – ON-OFF/3-Point floating control – Normally closed – Full Port – ISO 228*



F2BA series

Technical data

Main features and materials

• Body:	Forged Brass
• Bonnet:	Forged Brass
• Seat:	Plastic
• O-Ring:	EPDM/NBR
• Actuator type:	ON-OFF or 3-Point floating control
• Voltage:	220V AC 50/60 Hz
• Power:	6 W
• IP class:	IP65
• Drive torque:	10.5 Nm
• Stroke:	90°
• Operating time:	15 sec.
• Cable length:	50 cm
• USP:	High-tightness
	Long lifespan
	Increased process efficiency
	Resistant to clogging

Field of applications

• Temperature range of media:	1 to 95 °C
• Max. temp. of the actuator:	100 °C
• Max. working pressure:	20 bar
• Max. closing pressure:	5 bar

- Industrial cold/hot water plants
- Refrigeration and air conditioning

Description

FIVC Motorized Ball Valve is designed to control the flow by opening, closing, or partially blocking flow passages through its reliable ON-OFF or 3-Point floating actuator.

The valve is commonly used in fan coil units, cooling ceilings or cooling/heating ends and is electrically connected with a room thermostat or temperature controller. The valve reacts by opening or closing to maintain temperature according to the temperature setpoint on the temperature controller.

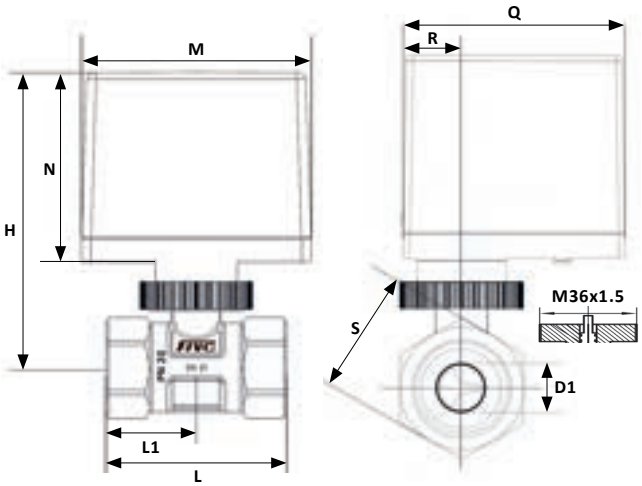
Benefits are quick response time, reduced operating energy consumption, long lifespan, and ensured leakage tightness.

The valve is suitable for freshwater, hot water, and up to 60 pct. ethylene glycol solutions.

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



Product code	Size	L	S	L1	D1	Kvs	Kg
F2BA015B20C01	15	62	32.5	31.5	10	4.4	0.66
F2BA020B20C01	20	63	32.5	31.5	12	6	0.61
F2BA025B20C01	25	73	40	36.5	16	13.6	0.72
F2BA032B20C01	32	83	48	41.5	20	16	0.99

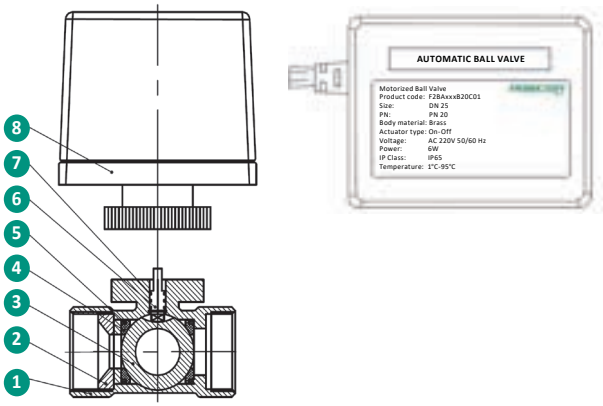
Dimensions are in millimeters

Actuator dimensions				
M	H	N	Q	R
81.5	105	67.5	63.5	19

Dimensions are in millimeters

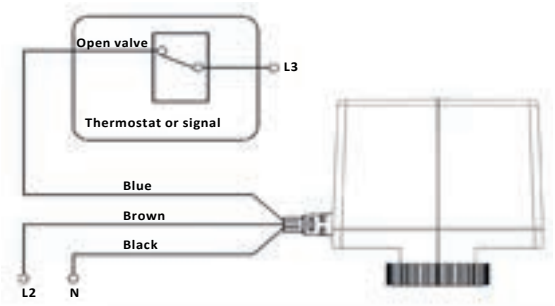
FIVC Motorized Ball Valve *Brass – PN 20 – ON-OFF/3-Point floating control – Normally closed – Full Port – ISO 228*

Product Specification



N°	Name	Material
1	Body	Forged Brass
2	Bonnet	Forged Brass
3	Sphere	Forged Brass
4	Seat	Plastic
5	O-Ring	EPDM/NBR (ø21x1.8)
6	Shaft	Forged Brass
7	O-Ring	EPDM/NBR
8	Electric actuator	-

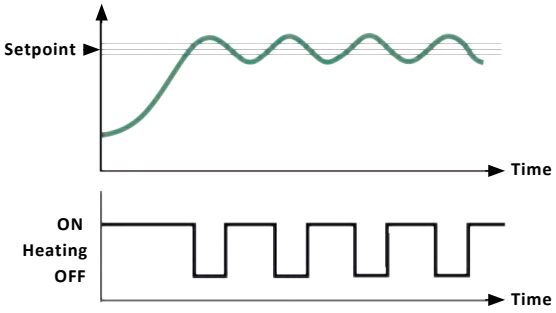
Wiring Diagram



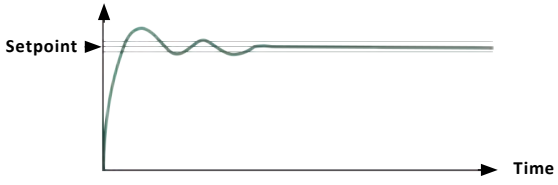
Wiring N°	Name	Operation
1	N	Neutral
2	L2	Closed
3	L2 and L3	Open

Characteristics of control action

ON/OFF control action



3-point floating control action



FIVC Motorized Ball Valve

Brass – PN 20 – ON-OFF/3-Point floating control – Normally closed – Full Port – ISO 228



F2BA series

Technical data

Main features and materials

• Body:	Forged Brass
• Bonnet:	Forged Brass
• Seat:	Plastic
• O-Ring:	EPDM/NBR
• Actuator type:	ON-OFF or 3-Point floating control
• Voltage:	24 V DC
• Power:	6 W
• IP class:	IP65
• Drive torque:	10.5 Nm
• Stroke:	90°
• Operating time:	15 sec.
• Cable length:	50 cm
• USP:	High-tightness
	Long lifespan
	Increased process efficiency
	Resistant to clogging

Field of applications

• Temperature range of media:	1 to 95 °C
• Max. temp. of the actuator:	100 °C
• Max. working pressure:	20 bar
• Max. closing pressure:	5 bar

- Industrial cold/hot water plants
- Refrigeration and air conditioning

Description

FIVC Motorized Ball Valve is designed to control the flow by opening, closing, or partially blocking flow passages through its reliable ON-OFF or 3-Point floating actuator.

The valve is commonly used in fan coil units, cooling ceilings or cooling/heating ends and is electrically connected with a room thermostat or temperature controller. The valve reacts by opening or closing to maintain temperature according to the temperature setpoint on the temperature controller.

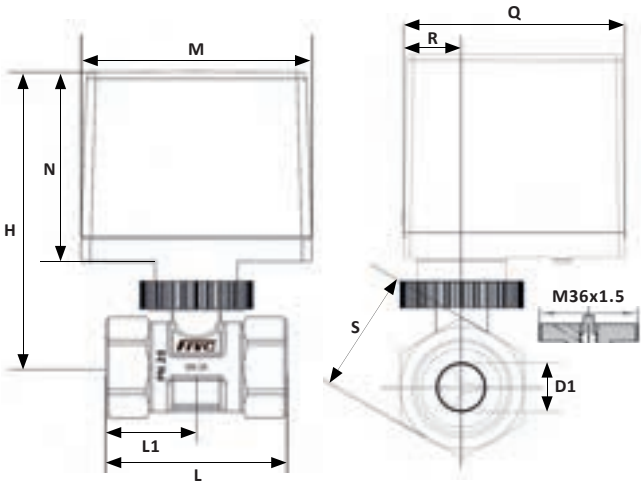
Benefits are quick response time, reduced operating energy consumption, long lifespan, and ensured leakage tightness.

The valve is suitable for freshwater, hot water, and up to 60 pct. ethylene glycol solutions.

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



Product code	Size	L	S	L1	D1	Kvs	Kg
F2BA015B20C24	15	62	32.5	31.5	10	4.4	0.66
F2BA020B20C24	20	63	32.5	31.5	12	6	0.61
F2BA025B20C24	25	73	40	36.5	16	13.6	0.72
F2BA032B20C24	32	83	48	41.5	20	16	0.99

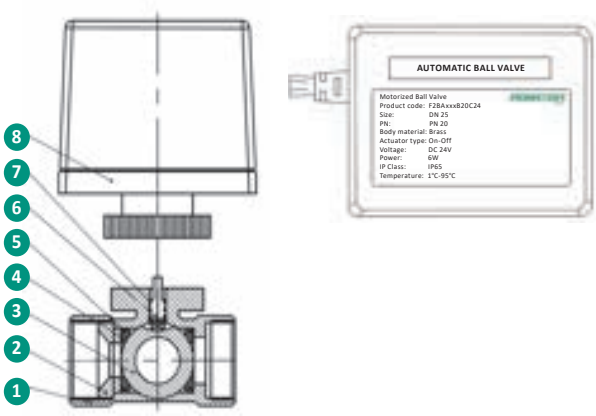
Dimensions are in millimeters

Actuator dimensions				
M	H	N	Q	R
81.5	105	67.5	63.5	19

Dimensions are in millimeters

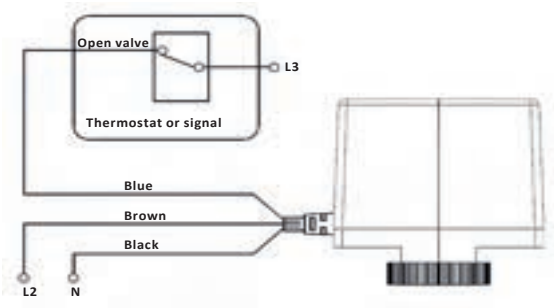
FIVC Motorized Ball Valve *Brass – PN 20 – ON-OFF/3-Point floating control – Normally closed – Full Port – ISO 228*

Product Specification



N°	Name	Material
1	Body	Forged Brass
2	Bonnet	Forged Brass
3	Sphere	Forged Brass
4	Seat	Plastic
5	O-Ring	EPDM/NBR (ø21x1.8)
6	Shaft	Forged Brass
7	O-Ring	EPDM/NBR
8	Electric actuator	-

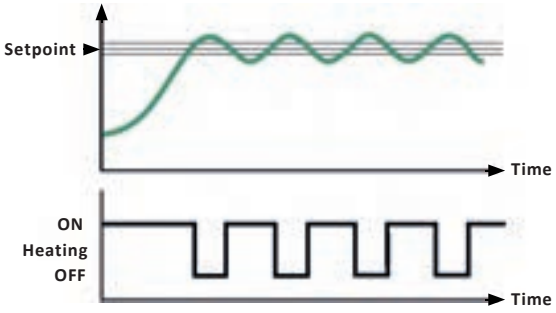
Wiring Diagram



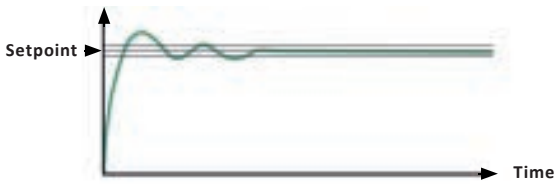
Wiring N°	Name	Operation
1	N	Neutral
2	L2	Closed
3	L2 and L3	Open

Characteristics of control action

ON/OFF control action



3-point floating control action



FIVC Motorized Ball Valve *Brass – PN 20 – ON-OFF/3-Point floating control – Normally open – Full Port – ISO 228*



F2BA series

Technical data

Main features and materials

• Body:	Forged Brass
• Bonnet:	Forged Brass
• Seat:	Plastic
• O-Ring:	EPDM/NBR
• Actuator type:	ON-OFF or 3-Point floating control
• Voltage:	220V AC 50/60 Hz
• Power:	6 W
• IP class:	IP65
• Drive torque:	10.5 Nm
• Stroke:	90°
• Operating time:	15 sec.
• Cable length:	50 cm
• USP:	High-tightness
	Long lifespan
	Increased process efficiency
	Resistant to clogging

Field of applications

• Temperature range of media:	1 to 95 °C
• Max. temp. of the actuator:	100 °C
• Max. working pressure:	20 bar
• Max. closing pressure:	5 bar

- Industrial cold/hot water plants
- Refrigeration and air conditioning

Description

FIVC Motorized Ball Valve is designed to control the flow by opening, closing, or partially blocking flow passages through its reliable ON-OFF or 3-Point floating actuator.

The valve is commonly used in fan coil units, cooling ceilings or cooling/heating ends and is electrically connected with a room thermostat or temperature controller. The valve reacts by opening or closing to maintain temperature according to the temperature setpoint on the temperature controller.

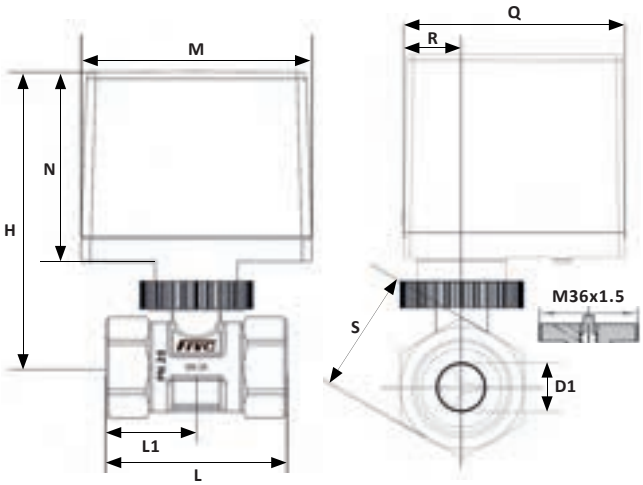
Benefits are quick response time, reduced operating energy consumption, long lifespan, and ensured leakage tightness.

The valve is suitable for freshwater, hot water, and up to 60 pct. ethylene glycol solutions.

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



Product code	Size	L	S	L1	D1	Kvs	Kg
F2BA015B20N01	15	62	32.5	31.5	10	4.4	0.66
F2BA020B20N01	20	63	32.5	31.5	12	6	0.61
F2BA025B20N01	25	73	40	36.5	16	13.6	0.72
F2BA032B20N01	32	83	48	41.5	20	16	0.99

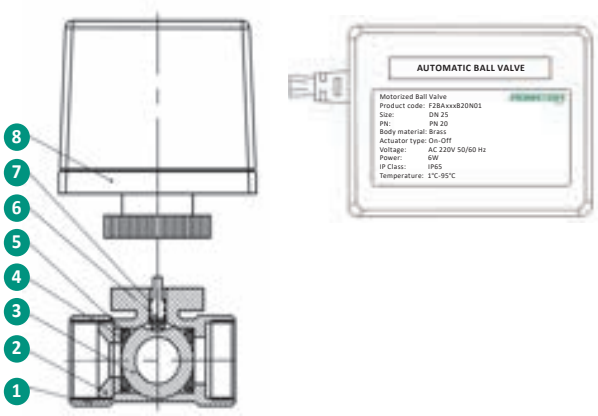
Dimensions are in millimeters

Actuator dimensions				
M	H	N	Q	R
81.5	105	67.5	63.5	19

Dimensions are in millimeters

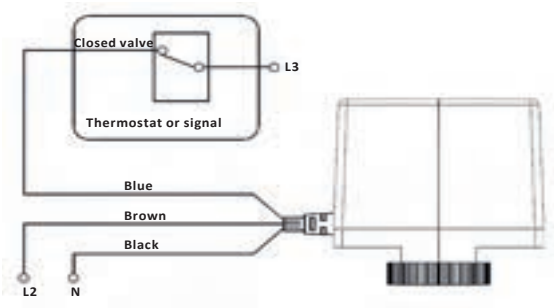
FIVC Motorized Ball Valve *Brass – PN 20 – ON-OFF/3-Point floating control – Normally open – Full Port – ISO 228*

Product Specification



N°	Name	Material
1	Body	Forged Brass
2	Bonnet	Forged Brass
3	Sphere	Forged Brass
4	Seat	Plastic
5	O-Ring	EPDM/NBR (ø21x1.8)
6	Shaft	Forged Brass
7	O-Ring	EPDM/NBR
8	Electric actuator	-

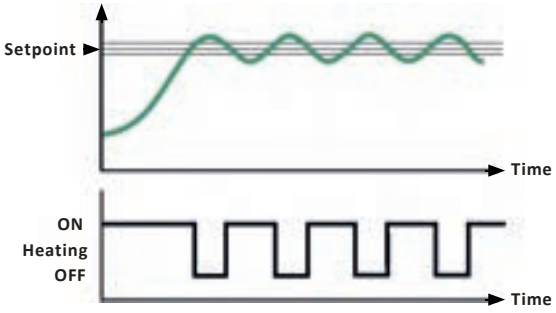
Wiring Diagram



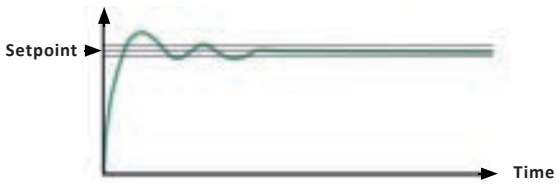
Wiring N°	Name	Operation
1	N	Neutral
2	L2	Open
3	L2 and L3	Closed

Characteristics of control action

ON/OFF control action



3-point floating control action



FIVC Motorized Ball Valve

Brass – PN 20 – ON-OFF/3-Point floating control – Normally open – Full Port – ISO 228



F2BA series

Technical data

Main features and materials

• Body:	Forged Brass
• Bonnet:	Forged Brass
• Seat:	Plastic
• O-Ring:	EPDM/NBR
• Actuator type:	ON-OFF or 3-Point floating control
• Voltage:	24V DC
• Power:	6 W
• IP class:	IP65
• Drive torque:	10.5 Nm
• Stroke:	90°
• Operating time:	15 sec.
• Cable length:	50 cm
• USP:	High-tightness
	Long lifespan
	Increased process efficiency
	Resistant to clogging

Field of applications

• Temperature range of media:	1 to 95 °C
• Max. temp. of the actuator:	100 °C
• Max. working pressure:	20 bar
• Max. closing pressure:	5 bar

- Industrial cold/hot water plants
- Refrigeration and air conditioning

Description

FIVC Motorized Ball Valve is designed to control the flow by opening, closing, or partially blocking flow passages through its reliable ON-OFF or 3-Point floating actuator.

The valve is commonly used in fan coil units, cooling ceilings or cooling/heating ends and is electrically connected with a room thermostat or temperature controller. The valve reacts by opening or closing to maintain temperature according to the temperature setpoint on the temperature controller.

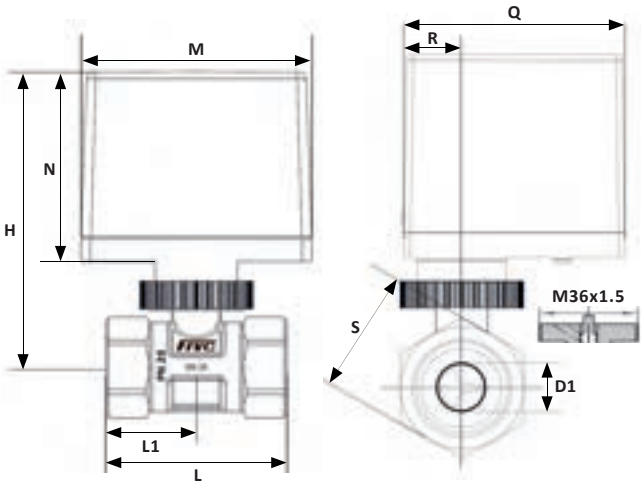
Benefits are quick response time, reduced operating energy consumption, long lifespan, and ensured leakage tightness.

The valve is suitable for freshwater, hot water, and up to 60 pct. ethylene glycol solutions.

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



Product code	Size	L	S	L1	D1	Kvs	Kg
F2BA015B20N24	15	62	32.5	31.5	10	4.4	0.66
F2BA020B20N24	20	63	32.5	31.5	12	6	0.61
F2BA025B20N24	25	73	40	36.5	16	13.6	0.72
F2BA032B20N24	32	83	48	41.5	20	16	0.99

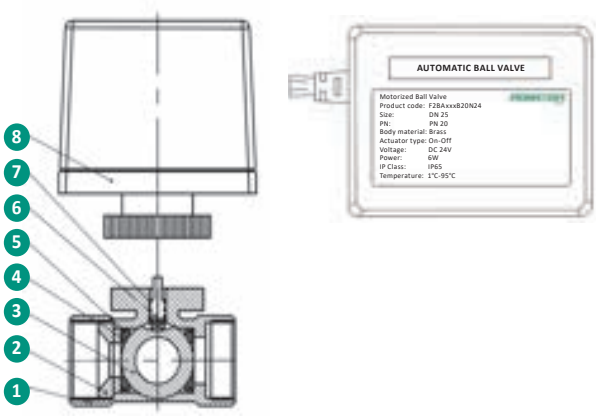
Dimensions are in millimeters

Actuator dimensions				
M	H	N	Q	R
81.5	105	67.5	63.5	19

Dimensions are in millimeters

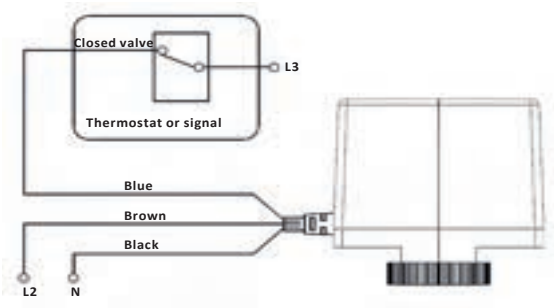
FIVC Motorized Ball Valve *Brass – PN 20 – ON-OFF/3-Point floating control – Normally open – Full Port – ISO 228*

Product Specification



N°	Name	Material
1	Body	Forged Brass
2	Bonnet	Forged Brass
3	Sphere	Forged Brass
4	Seat	Plastic
5	O-Ring	EPDM/NBR (ø21x1.8)
6	Shaft	Forged Brass
7	O-Ring	EPDM/NBR
8	Electric actuator	-

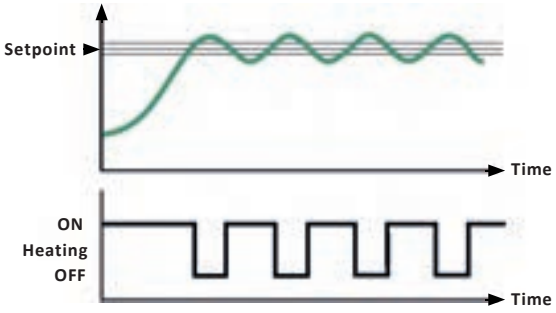
Wiring Diagram



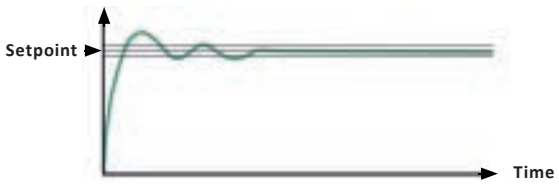
Wiring N°	Name	Operation
1	N	Neutral
2	L2	Open
3	L2 and L3	Closed

Characteristics of control action

ON/OFF control action



3-point floating control action



TRIPLE-DUTY VALVES



Multi-Functionality	Combines three essential functions in one unit: shut-off, flow regulation, and backflow prevention. Simplifies installation by integrating isolation, balancing, and throttling functions.
System reliability	Ensures consistent and reliable performance in fluid systems, reducing downtime and maintenance.
Corrosion resistance	Designed with high-quality, corrosion-resistant components for long-lasting durability in demanding environments.
Green responsibility	Provides precise flow control, reducing energy consumption and minimizing fluid wastage.
Superior space optimizer	A compact 3-in-1 solution that optimizes space, reduces installation complexity, and lowers costs.



- 3-in-1 valve
- System protection
- Cost-, time-, space savings
- Changeable body
- Excellent closing
- Integrated positioning indicator
- Faster and simpler installation

Available as

Straight-type

Angle-type

ISH 2025

FIVC Triple Duty Valve

Ductile Iron – PN 16 – Angle – EN 1092-2



FTDVA series

Technical data

Main features and materials

- Body: Ductile Iron
- Disc: Grey Cast Iron+EPDM
- Handwheel: Carbon Steel
- Stem: Stainless Steel
- Painting: RAL 5015, thickness ≈ 150 µm
- Drilling: EN 1092-2 PN 16
- USP: Three-in-one: Silent check-, regulating-, and shut-off valve. Integrated positioning indicator Cost-efficient, small size, and easy operation.
- Pressure test standard: BS EN 12266-1

Field of applications

- Temperature range: -20 to 120 °C
- Max. working pressure: 16 bar
- HVAC
- Water distribution
- Oil distribution
- Gas distribution

Description

The FIVC Triple Duty Valve is designed as an angle-form 3-in-1 valve to be installed in pipelines to control the pump in an open water supply system or closed cycling system. It performs multiple functions, including acting as a regulation valve, non-return valve, and isolation valve, enabling the user to save several system components, and contributing to space and cost savings.
This manages the lack of space and contributes to system optimization, including increased pump- as well as other equipment efficiency and eliminating water hammer.

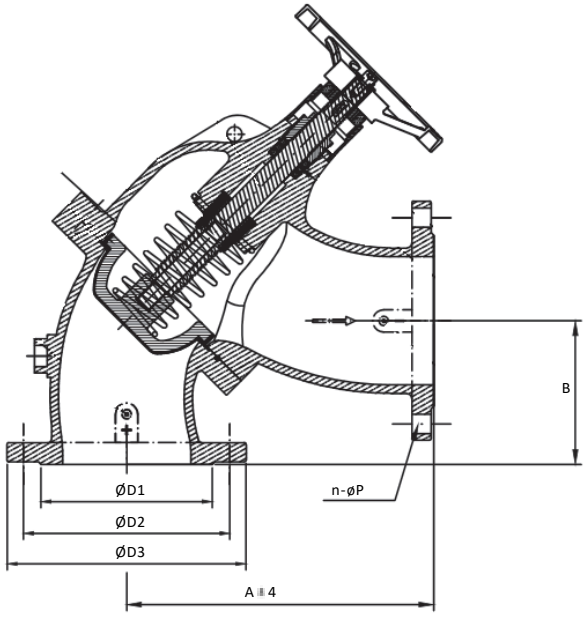
Moreover, the valve is time-efficient in form of faster and simpler installation and maintenance.
The valve can be used for water, oil, and gas.

Declaration

The product has been manufactured and tested in accordance with the European PED Directive No. 2014/68/EU, dated 15/05/2014.

Dimensions

DN 65-150



Product code	Size	D1	D2	D3	n-ød	Plug (NPT)	L	A	B	Kg
FTDVA065N16214	65	118	145	185	4-ø19	1/4	304	187	117	20
FTDVA080N16214	80	132	160	200	8-ø19	1/4	305	208	98	24
FTDVA100N16214	100	156	180	220	8-ø19	1/4	355	244	111	38
FTDVA125N16214	125	184	210	250	8-ø19	1/4	445	305	140	55
FTDVA150N16214	150	221	240	285	8-ø23	1/4	525	359	168	72

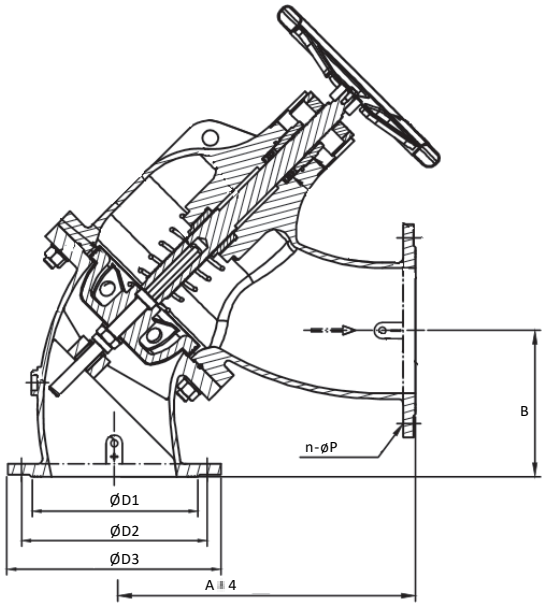
Dimensions are in millimeters

FIVC Triple Duty Valve

Ductile Iron – PN 16 – Angle – EN 1092-2

Dimensions

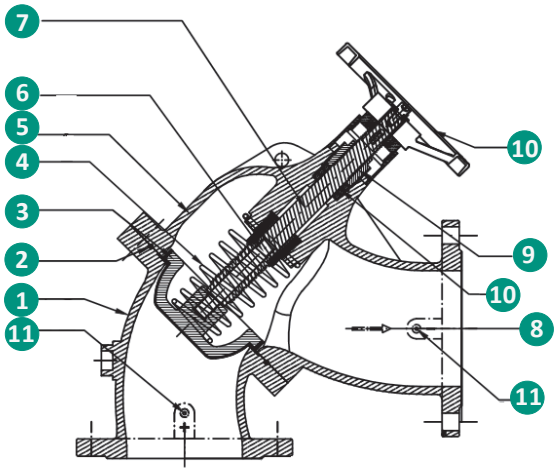
DN 200-300



Product code	Size	D1	D2	D3	n-ød	Plug (NPT)	L	A	B	Kg
FTDVA200N16214	200	266	295	340	12-ø23	1/4	716	481	233	124
FTDVA250N16214	250	319	355	405	12-ø28	1/4	762	516	248	185
FTDVA300N16214	300	370	410	460	12-ø28	1/4	967	611	356	270

Dimensions are in millimeters

Product Specification



N°	Name	Material
1	Lower body	Ductile Iron EN-GJS-450-10
2	O-Ring	EPDM
3	Disc	Grey Cast Iron JL 1040 + EPDM
4	Spring	Stainless Steel 304S15
5	Upper body	Ductile Iron EN-GJS-450-10
6	Disc shaft	Stainless Steel 410S21
7	Stem	Stainless Steel 410S21
8	V-type filler	EPDM
9	Packing gland	Stainless Steel 410S21
10	Handwheel	Carbon Steel BS S235JR
11	Plugs NPT 1/4”	Stainless Steel BS 304S15

FIVC Triple Duty Valve

Grey Cast Iron – PN 16 – Straight – EN 1092-2



FTDVS series

Technical data

Main features and materials

• Body:	Grey Cast Iron
• Disc:	Ductile Iron+EPDM
• Handwheel:	DN 50-300: Carbon Steel DN 350-500: Grey Cast Iron
• Painting:	RAL 5015, thickness ≈ 150 µm
• Drilling:	EN 1092-2 PN 16
• USP:	3-in-1: Silent check-, regulating, and shut-off valve. Integrated positioning indicator. Cost-efficient, small size, and easy operation.
• Pressure test standard:	BS EN 12266-1

Field of applications

• Temperature range:	-20 to 120 °C
• Max. working pressure:	16 bar

- HVAC
- Water distribution
- Oil distribution
- Gas distribution

Description

The FIVC Triple Duty Valve is designed as a straight 3-in-1 valve to be installed in pipelines to control the pump in an open water supply system or closed cycling system. It performs multiple functions, including acting as a regulation valve, non-return valve, and isolation valve, enabling the user to save several system components, and contributing to space and cost savings.

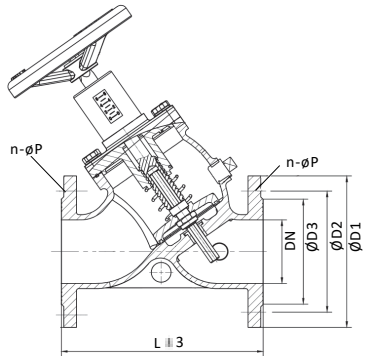
This manages the lack of space and contributes to system optimization, including increased pump- as well as other equipment efficiency and eliminating water hammer. Moreover, the valve is time-efficient in form of faster and simpler installation and maintenance. The valve can be used for water, oil, and gas.

Declaration

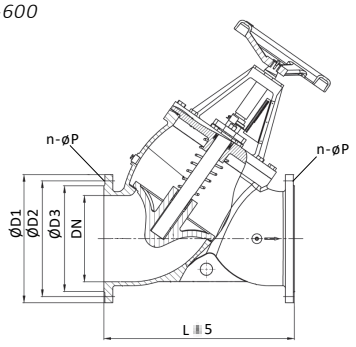
The product has been manufactured and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014.

Dimensions

DN 50-300



DN 350-600



Product code	Size	L	D1	D2	D3	n-øP	Plug 1	Plug 2	Kg
FTDVS050C16214	50	213	165	125	99	4-ø19	NPT 1/2"	NPT 1/4"	12
FTDVS065C16214	65	250	185	145	118	4-ø19	NPT 1/2"	NPT 1/4"	16
FTDVS080C16214	80	254	200	160	132	8-ø19	NPT 1/2"	NPT 1/4"	20
FTDVS100C16214	100	368	220	180	156	8-ø19	NPT 1"	NPT 1/4"	40
FTDVS125C16214	125	407	250	210	184	8-ø19	NPT 1"	NPT 1/4"	46
FTDVS150C16214	150	457	285	240	211	8-ø23	NPT 1"	NPT 1/4"	68
FTDVS200C16214	200	546	340	295	266	12-ø23	NPT 1"	NPT 1/4"	120
FTDVS250C16214	250	648	405	355	319	12-ø28	NPT 1"	NPT 1/4"	182
FTDVS300C16214	300	762	460	410	370	12-ø28	NPT 1"	NPT 1/4"	238
FTDVS350C16214	350	772	520	470	429	16-ø28	NPT 1"	NPT 1/4"	355
FTDVS400C16214	400	858	580	525	480	16-ø31	NPT 1"	NPT 1/4"	520
FTDVS450C16214	450	938	640	585	548	20-ø31	NPT 1"	NPT 1/4"	750
FTDVS500C16214	500	1050	715	650	609	20-ø34	NPT 1"	NPT 1/4"	980

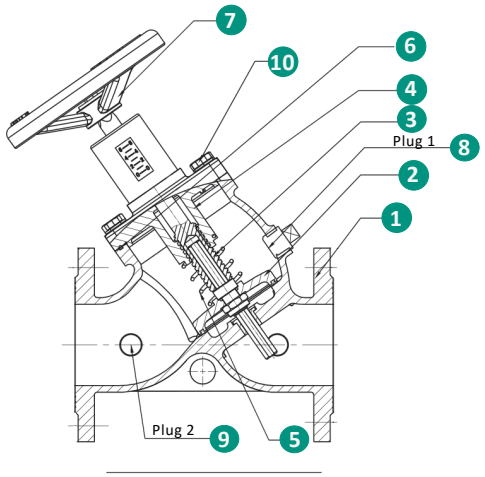
Dimensions are in millimeters

FIVC Triple Duty Valve

Grey Cast Iron – PN 16 – Straight – EN 1092-2

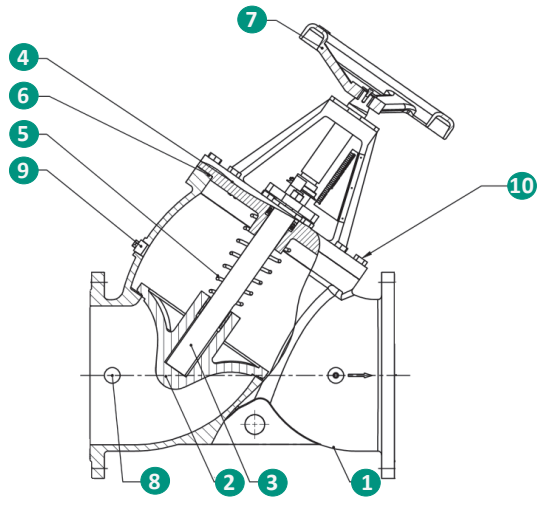
Product Specification

DN 50-300



N°	Name	Material
1	Body	Grey Cast Iron EN-JL-1040
2	Disc	Ductile Iron EN-GJS-450-10 + EPDM
3	Shaft	Stainless Steel 410S21
4	Cover	Grey Cast Iron EN-JL-1040
5	Spring	Stainless Steel BS 304S15
6	Ring	EPDM
7	Handwheel	Steel BS S235JR
8	Plug 1	Stainless Steel BS 304S15
9	Plug 2	Stainless Steel BS 304S15
10	Bolt	Stainless Steel BS 304S15

DN 350-500



N°	Name	Material
1	Body	Grey Cast Iron EN-JL-1040
2	Disc	Ductile Iron EN-JL-1050 + EPDM
3	Shaft	Stainless Steel 410S21
4	Cover	Grey Cast Iron EN-JL-1040
5	Spring	Stainless Steel BS 304S15
6	Ring	EPDM
7	Handwheel	Grey Cast Iron EN-JL-1040
8	Plug 1	Stainless Steel BS 304S15
9	Plug 2	Stainless Steel BS 304S15
10	Bolt	Stainless Steel BS 304S15

FIVC Triple Duty Valve

Ductile Iron – PN 25 – Straight – EN 1092-2



FTDVS series

Technical data

Main features and materials

• Body:	Ductile Iron
• Disc:	Ductile Iron+EPDM
• Handwheel:	Steel
• Painting:	RAL 5015, thickness ≈ 150 µm
• Drilling:	EN 1092-2 PN 25
• USP:	3-in-1: Silent check-, regulating-, and shut-off valve. Integrated positioning indicator. Cost-efficient, small size, and easy operation.
• Pressure test standard:	BS EN 12266-1

Field of applications

• Temperature range:	-20 to 120 °C
• Max. working pressure:	25 bar

- HVAC
- Water distribution
- Oil distribution
- Gas distribution

Description

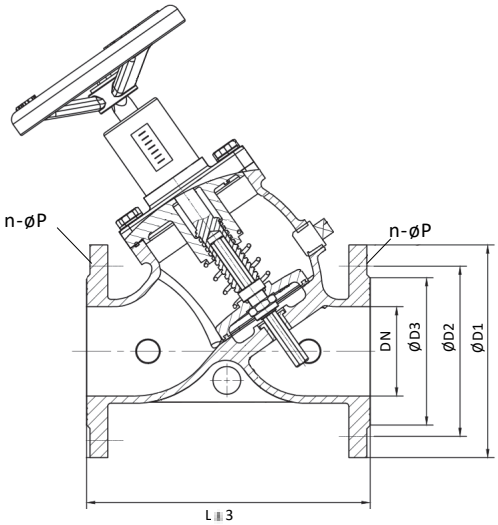
The FIVC Triple Duty Valve is designed as a straight 3-in-1 valve to be installed in pipelines to control the pump in an open water supply system or closed cycling system. It performs multiple functions, including acting as a regulation valve, non-return valve, and isolation valve, enabling the user to save several system components, and contributing to space and cost savings.

This manages the lack of space and contributes to system optimization, including increased pump- as well as other equipment efficiency and eliminating water hammer. Moreover, the valve is time-efficient in form of faster and simpler installation and maintenance. The valve can be used for water, oil, and gas.

Declaration

The product has been manufactured and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014.

Dimensions



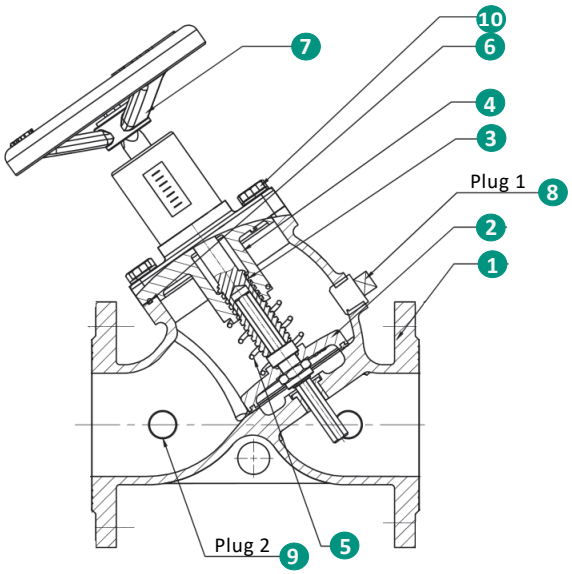
Product code	Size *(DN)*	L	D1	D2	D3	n-øP	Plug1	Plug2	Kg
FTDVS050N25214	50	213	165	125	99	4-ø19	NPT 1/2"	NPT 1/4"	14
FTDVS065N25214	65	250	185	145	118	8-ø19	NPT 1/2"	NPT 1/4"	18
FTDVS080N25214	80	254	200	160	132	8-ø19	NPT 1/2"	NPT 1/4"	22
FTDVS100N25214	100	368	235	190	156	8-ø23	NPT 1"	NPT 1/4"	44
FTDVS125N25214	125	407	270	220	184	8-ø28	NPT 1"	NPT 1/4"	51
FTDVS150N25214	150	457	300	250	211	8-ø28	NPT 1"	NPT 1/4"	75
FTDVS200N25214	200	546	360	310	274	12-ø28	NPT 1"	NPT 1/4"	132
FTDVS250N25214	250	648	425	370	330	12-ø31	NPT 1"	NPT 1/4"	200
FTDVS300N25214	300	762	485	430	389	16-ø31	NPT 1"	NPT 1/4"	262

Dimensions are in millimeters

FIVC Triple Duty Valve

Ductile Iron – PN 25 – Straight – EN 1092-2

Product Specification



N°	Name	Material
1	Body	Ductile Iron EN-GJS-450-10
2	Disc	Ductile Iron EN-GJS-450-10 + EPDM
3	Shaft	Stainless Steel SS 410S21
4	Cover	Ductile Iron EN-GJS-450-10
5	Spring	Stainless Steel BS 304S15
6	Ring	EPDM
7	Handwheel	Steel BS S235JR
8	Plug 1	Stainless Steel BS 304S15
9	Plug 2	Stainless Steel BS 304S15
10	Bolt	Stainless Steel BS 304S15

SUCTION DIFFUSERS



Multi-Functionality	Combines the functions of a strainer and flow stabilizer in a single unit. Reduces turbulence, prevents air entrainment, and improves pump efficiency during fluid suction.
Corrosion resistance	Built with corrosion-resistant materials for dependable performance in demanding and aggressive fluid environments.
Green responsibility	Enhances overall energy efficiency, supporting sustainability initiatives. Helps maintain media quality, prevents contamination, and minimizes operational disruptions to promote sustainable fluid management.
Superior space optimizer	A superior space-saving solution due to its compact, multifunctional design. Ideal for installations with limited space and simplifies system configuration.



- Flow stabilization
- Debris management
- Pump protection
- Turbulence reduction, Minimizing pressure fluctuations
- Faster and simpler installation
- Cost-, space-, and time-efficient

ISH 2025

FIVC Suction Diffuser

Cast Iron – PN 16 – EN 1092-2



FSD series

Technical data

Main features and materials

- Body: Cast Iron
- Cover: Cast Iron
- Mesh screen: Stainless Steel
- Sealing part: EPDM
- Paint: RAL 5015 (thickness min. 150 micron)
- Testing: Shell pressure: 2 .4 MPa
- Standard: BS EN 12266-1
- Drilling: EN 1092-2 PN 16
- USP: Pump protector, System efficiency. Turbulence reduction, Minimizing pressure fluctuations, Flow stabilization and debris management. Cost-, space-, and time-efficient.

Field of applications

- Temperature range: -20 to 120 °C
- Max. working pressure: 16 bar

- Petrochemical industry
- Irrigation systems
- Mining and infrastructure industries
- Shipyard industry
- Textile industry
- Mechanical industry
- Steam applications

Description

Positioned strategically at the suction side of pumps, suction diffusers play a pivotal role in optimizing fluid systems. These multifunctional devices seamlessly integrate the roles of a strainer and a flow stabilizer, ensuring efficient and reliable pump operation.

By adeptly sifting debris from the fluid stream, the suction diffuser acts as a shield, preventing harmful particles from causing clogs and damage to the pump. Additionally, the integrated flow straightener ensures a seamless, turbulence-free flow into the pump, effectively reducing turbulences and minimizing pressure fluctuations for enhanced overall system stability.

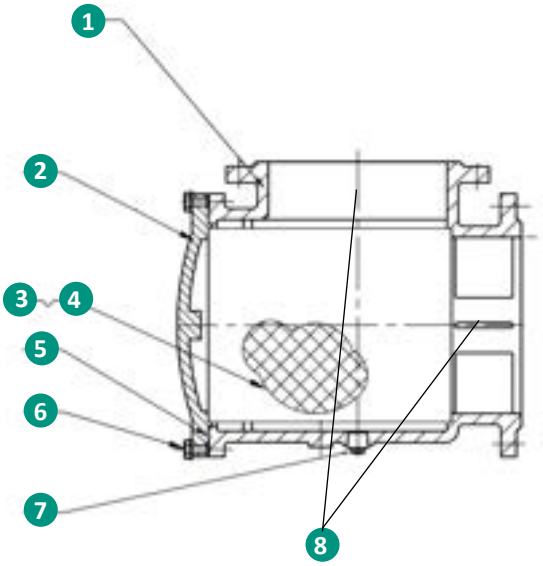
Combining the functions of a strainer, flow straightener, and diffuser, suction diffusers stand as stalwart guardians of efficiency and reliability in fluid dynamics.

Declaration

The product has been manufactured and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014.

Product Specification

DN 50x50 - 500x500



N°	Name	Material
1	Body	Cast Iron EN JS 1040
2	Cover	Cast Iron EN JS 1040
3	Screen	Stainless Steel SS 304S15
4	20 Woven mesh	Stainless Steel SS 304S15
5	O-rings	EPDM
6	Bolt	Carbon Steel BS235JR
7	Plug/drain	Carbon Steel BS235JR
8	Plug 1/4 NPT	Stainless Steel BS 304S15

Screen Information

ST	Mesh	T	øF	Opening area
	Per cm²	*mm*	*mm*	*%*
Perforated	4.96	1 DN 50 - 300 1.2 DN 350 - 500	3.2	39.9

Screen type - Mesh: Number of holes - T: Thickness - øF: Inscribed hole diameter

FIVC Suction Diffuser

Cast Iron – PN 16 – EN 1092-2

Product Information

	Size	L1*	L2*	D1	D2	n1-ød1	D3	D4	n2-ød2	ØA	L	Kg
FSD50x50C16212	50x50	114.4	114.4	125	165	4-Ø19	125	165	4-Ø19	Ø64	125	11
FSD65x50C16212	65x50	126.5	126.5	145	185	4-Ø19	125	165	4-Ø19	Ø80	138	15
FSD65x65C16212	65x65	126.5	126.5	145	185	4-Ø19	145	185	4-Ø19	Ø80	138	17
FSD80x50C16212	80x50	139.7	114 .0	160	200	8-Ø19	125	165	4-Ø19	Ø64	125	19
FSD80x65C16212	80x65	140.1	140.1	160	200	8-Ø19	145	185	4-Ø19	Ø88	143	21
FSD80x80C16212	80x80	140.1	140.1	160	200	8-Ø19	160	200	8-Ø19	Ø88	143	23
FSD100x80C16212	100x80	165.0	165.0	180	220	8-Ø19	160	200	8-Ø19	Ø138	172	33
FSD100x100C16212	100x100	165.0	165.0	180	220	8-Ø19	180	220	8-Ø19	Ø125	166	36
FSD125x100C16212	125x100	191.5	191.5	210	250	8-Ø19	180	220	8-Ø19	Ø170	223	48
FSD125x125C16212	125x125	191.5	191.5	210	250	8-Ø19	210	250	8-Ø19	Ø170	223	50
FSD150x100C16212	150x100	203.0	165.0	240	285	8-Ø23	180	220	8-Ø19	Ø138	172	42
FSD150x125C16212	150x125	203.0	203.0	240	285	8-Ø23	210	250	8-Ø19	Ø210	250	52
FSD150x150C16212	150x150	203.0	203.0	240	285	8-Ø23	240	285	8-Ø23	Ø210	250	54
FSD200x125C16212	200x125	192.0	229.0	295	340	12-Ø23	210	250	8-Ø19	Ø168	312	60
FSD200x150C16212	200x150	228.6	203.0	295	340	12-Ø23	240	285	8-Ø23	Ø210	250	83
FSD200x200C16212	200x200	229..0	229.0	295	340	12-Ø23	295	340	12-Ø23	Ø263	355	110
FSD250x200C16212	250x200	279.4	229.0	355	405	12-Ø28	295	340	12-Ø23	Ø263	355	124
FSD250x250C16212	250x250	279.0	279.0	355	405	12-Ø28	355	405	12-Ø28	Ø313	458	141
FSD300x200C16212	300x200	280.0	280.0	410	460	12-Ø28	295	340	12-Ø23	Ø263	315	148
FSD300x250C16212	300x250	304.8	279.0	410	460	12-Ø28	355	405	12-Ø28	Ø313	458	202
FSD300x300C16212	300x300	304.8	304.8	410	460	12-Ø28	410	460	12-Ø28	Ø343	454	215
FSD350x250C16212	350x250	318.0	328.0	470	520	16-Ø28	355	405	12-Ø28	Ø325	460	226
FSD350x300C16212	350x300	318.0	328.0	470	520	16-Ø28	410	460	12-Ø28	Ø325	460	243
FSD350x350C16212	350x350	318..0	328.0	470	520	16-Ø28	470	520	16-Ø28	Ø325	460	230
FSD400x300C16212	400x300	334.0	364.0	525	580	16-Ø31	410	460	12-Ø28	Ø380	522	327
FSD400x350C16212	400x350	334.0	364.0	525	580	16-Ø31	470	520	16-Ø28	Ø380	522	338
FSD400x400C16212	400x400	334.0	364.0	525	580	16-Ø31	525	580	16-Ø31	Ø380	522	368
FSD450x350C16212	450x350	370.0	389.0	585	640	20-Ø31	470	520	16-Ø28	Ø430	562	371
FSD450x400C16212	450x400	370.0	389.0	585	640	20-Ø31	525	580	16-Ø31	Ø430	562	375
FSD450x450C16212	450x450	370.0	389.0	585	640	20-Ø31	585	640	20-Ø31	Ø430	562	411
FSD500x400C16212	500x400	406.0	428.0	650	715	20-Ø34	525	580	16-Ø31	Ø474	612	420
FSD500x450C16212	500x450	406.0	428.0	650	715	20-Ø31	585	640	20-Ø31	Ø474	612	460
FSD500x500C16212	500x500	406.0	428.0	650	715	20-Ø34	650	715	20-Ø34	Ø474	612	514

*Dimensions are in millimeters *) DN 50x50 – DN 300x300 is ± 3 mm. *) DN 350x250 – DN 500x500 is ± 5 mm*

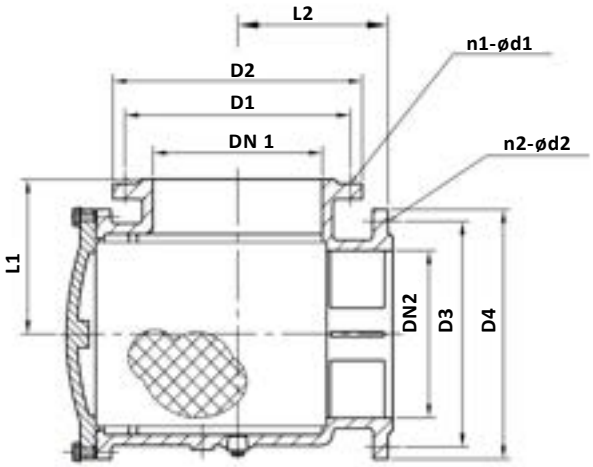
FIVC Suction Diffuser

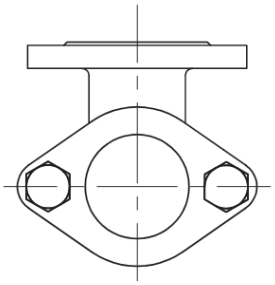
Cast Iron – PN 16 – EN 1092-2

Dimensions are in millimeters

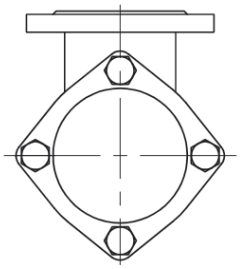
Dimensions

Size 50x50 - 500x500

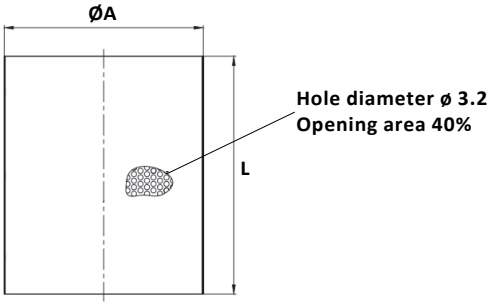


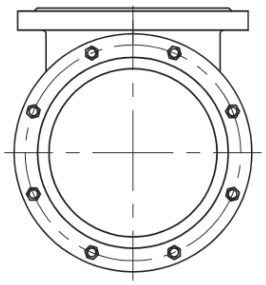


Size 50x50 - 100x100



Size 125x100 - 200x125





Size 200x150 - 500x500

FIVC Suction Diffuser

Ductile Iron – PN 16 – EN 1092-2



FSD series

Technical data

Main features and materials

- Body: Ductile Iron
- Cover: Ductile Iron
- Mesh screen: Stainless Steel
- Sealing part: EPDM
- Paint: RAL 5015 (thickness min. 150 micron)
- Testing: Shell pressure: 2.4 MPa
- Standard: BS EN 12266-1
- Drilling: EN 1092-2 PN 16
- USP: Pump protector, System efficiency. Turbulence reduction, Minimizing pressure fluctuations, Flow stabilization and debris management. Cost-, space-, and time-efficient.

Field of applications

- Temperature range: -20 to 120 °C
- Max. working pressure: 16 bar

- Petrochemical industry
- Irrigation systems
- Mining and infrastructure
- Shipyard industry
- Textile industry
- Mechanical industry

Description

Positioned strategically at the suction side of pumps, suction diffusers play a pivotal role in optimizing fluid systems. These multifunctional devices seamlessly integrate the roles of a strainer and a flow stabilizer, ensuring efficient and reliable pump operation.

By adeptly sifting debris from the fluid stream, the suction diffuser acts as a shield, preventing harmful particles from causing clogs and damage to the pump. Additionally, the integrated flow straightener ensures a seamless, turbulence-free flow into the pump, effectively reducing turbulences and minimizing pressure fluctuations for enhanced overall system stability.

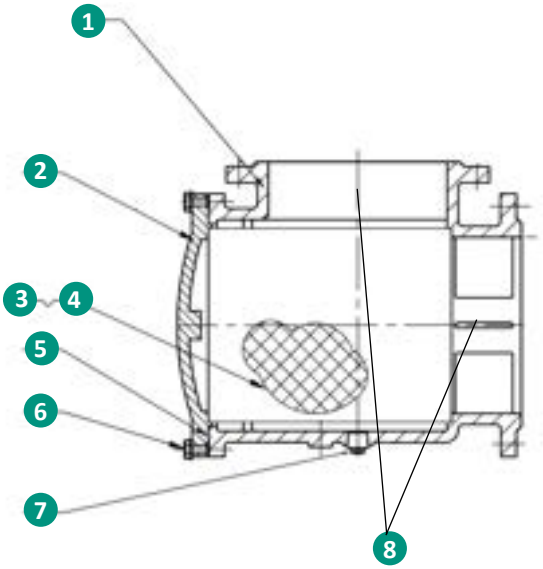
Combining the functions of a strainer, flow straightener, and diffuser, suction diffusers stand as stalwart guardians of efficiency and reliability in fluid dynamics.

Declaration

The product has been manufactured and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014.

Product Specification

DN 50x50 - 500x500



N°	Name	Material
1	Body	Ductile Iron EN JS 1050
2	Cover	Ductile Iron EN JS 1050
3	Screen	Stainless Steel SS 304S15
4	20 Woven mesh	Stainless Steel SS 304S15
5	O-rings	EPDM
6	Bolt	Carbon Steel BS235JR
7	Plug/drain	Carbon Steel BS235JR
8	Plug 1/4 NPT	Stainless Steel BS 304S15

Screen Information

ST	Mesh	T	øF	Opening area
	Per cm²	*mm*	*mm*	*%*
Perforated	4.96	1 DN 50 - 300 1.2 DN 350 - 500	3.2	39.9

Screen type - Mesh: Number of holes - T: Thickness - øF: Inscribed hole diameter

FIVC Suction Diffuser

Ductile Iron – PN 16 – EN 1092-2

Product Information

	Size	L1*	L2*	D1	D2	n1-ød1	D3	D4	n2-ød2	ØA	L	Kg
FSD50x50N16212	50x50	114.4	114.4	125	165	4-Ø19	125	165	4-Ø19	Ø64	125	11
FSD65x50N16212	65x50	126.5	126.5	145	185	4-Ø19	125	165	4-Ø19	Ø80	138	15
FSD65x65N16212	65x65	126.5	126.5	145	185	4-Ø19	145	185	4-Ø19	Ø80	138	17
FSD80x50N16212	80x50	139.7	114 .0	160	200	8-Ø19	125	165	4-Ø19	Ø64	125	19
FSD80x65N16212	80x65	140.1	140.1	160	200	8-Ø19	145	185	4-Ø19	Ø88	143	21
FSD80x80N16212	80x80	140.1	140.1	160	200	8-Ø19	160	200	8-Ø19	Ø88	143	23
FSD100x80N16212	100x80	165.0	165.0	180	220	8-Ø19	160	200	8-Ø19	Ø138	172	33
FSD100x100N16212	100x100	165.0	165.0	180	220	8-Ø19	180	220	8-Ø19	Ø125	166	36
FSD125x100N16212	125x100	191.5	191.5	210	250	8-Ø19	180	220	8-Ø19	Ø170	223	48
FSD125x125N16212	125x125	191.5	191.5	210	250	8-Ø19	210	250	8-Ø19	Ø170	223	50
FSD150x100N16212	150x100	203.0	165.0	240	285	8-Ø23	180	220	8-Ø19	Ø138	172	42
FSD150x125N16212	150x125	203.0	203.0	240	285	8-Ø23	210	250	8-Ø19	Ø210	250	52
FSD150x150N16212	150x150	203.0	203.0	240	285	8-Ø23	240	285	8-Ø23	Ø210	250	54
FSD200x125N16212	200x125	192.0	229.0	295	340	12-Ø23	210	250	8-Ø19	Ø168	312	60
FSD200x150N16212	200x150	228.6	203.0	295	340	12-Ø23	240	285	8-Ø23	Ø210	250	83
FSD200x200N16212	200x200	229..0	229.0	295	340	12-Ø23	295	340	12-Ø23	Ø263	355	110
FSD250x200N16212	250x200	279.4	229.0	355	405	12-Ø28	295	340	12-Ø23	Ø263	355	124
FSD250x250N16212	250x250	279.0	279.0	355	405	12-Ø28	355	405	12-Ø28	Ø313	458	141
FSD300x200N16212	300x200	280.0	280.0	410	460	12-Ø28	295	340	12-Ø23	Ø263	315	148
FSD300x250N16212	300x250	304.8	279.0	410	460	12-Ø28	355	405	12-Ø28	Ø313	458	202
FSD300x300N16212	300x300	304.8	304.8	410	460	12-Ø28	410	460	12-Ø28	Ø343	454	215
FSD350x250N16212	350x250	318.0	328.0	470	520	16-Ø28	355	405	12-Ø28	Ø325	460	226
FSD350x300N16212	350x300	318.0	328.0	470	520	16-Ø28	410	460	12-Ø28	Ø325	460	243
FSD350x350N16212	350x350	318..0	328.0	470	520	16-Ø28	470	520	16-Ø28	Ø325	460	230
FSD400x300N16212	400x300	334.0	364.0	525	580	16-Ø31	410	460	12-Ø28	Ø380	522	327
FSD400x350N16212	400x350	334.0	364.0	525	580	16-Ø31	470	520	16-Ø28	Ø380	522	338
FSD400x400N16212	400x400	334.0	364.0	525	580	16-Ø31	525	580	16-Ø31	Ø380	522	368
FSD450x350N16212	450x350	370.0	389.0	585	640	20-Ø31	470	520	16-Ø28	Ø430	562	371
FSD450x400N16212	450x400	370.0	389.0	585	640	20-Ø31	525	580	16-Ø31	Ø430	562	375
FSD450x450N16212	450x450	370.0	389.0	585	640	20-Ø31	585	640	20-Ø31	Ø430	562	411
FSD500x400N16212	500x400	406.0	428.0	650	715	20-Ø34	525	580	16-Ø31	Ø474	612	420
FSD500x450N16212	500x450	406.0	428.0	650	715	20-Ø31	585	640	20-Ø31	Ø474	612	460
FSD500x500N16212	500x500	406.0	428.0	650	715	20-Ø34	650	715	20-Ø34	Ø474	612	514

*Dimensions are in millimeters *) DN 50x50 – DN 300x300 is ± 3 mm. *) DN 350x250 – DN 500x500 is ± 5 mm*

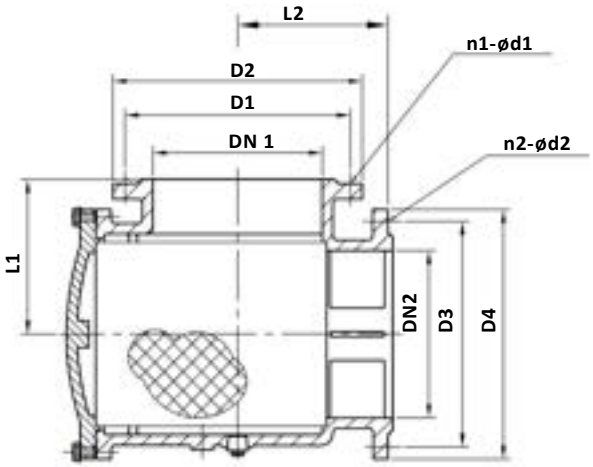
FIVC Suction Diffuser

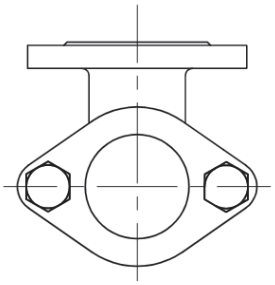
Ductile Iron – PN 16 – EN 1092-2

Dimensions are in millimeters

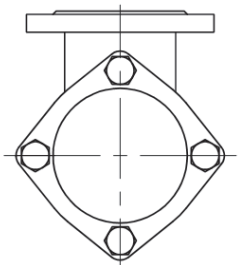
Dimensions

Size 50x50 - 500x500

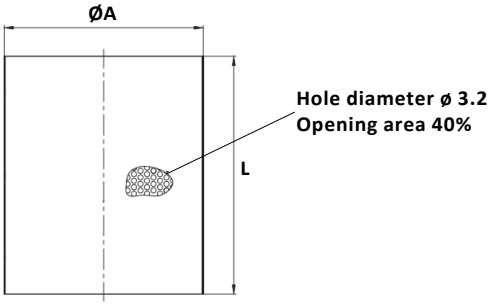


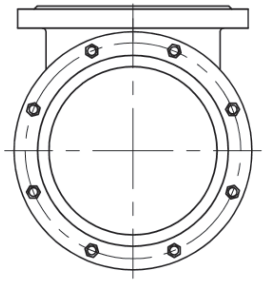


Size 50x50 - 100x100



Size 125x100 - 200x125





Size 200x150 - 500x500

FIVC Suction Diffuser

Ductile Iron – PN 25 – EN 1092-2



FSD series

Technical data

Main features and materials

- Body: Ductile Iron
- Cover: Ductile Iron
- Mesh screen: Stainless Steel
- Sealing part: EPDM
- Paint: RAL 5015 (thickness min. 150 micron)
- Testing: Shell pressure: 3.75 MPa
- Standard: BS EN 12266-1
- Drilling: EN 1092-2 PN 25
- USP: Pump protector, System efficiency. Turbulence reduction, Minimizing pressure fluctuations, Flow stabilization and debris management. Cost-, space-, and time-efficient.

Field of applications

- Temperature range: -20 to 120 °C
- Max. working pressure: 25 bar

- Petrochemical industry
- Irrigation systems
- Mining and infrastructure industries
- Shipyard industry
- Textile industry
- Mechanical industry
- Steam applications

Description

Positioned strategically at the suction side of pumps, suction diffusers play a pivotal role in optimizing fluid systems. These multifunctional devices seamlessly integrate the roles of a strainer and a flow stabilizer, ensuring efficient and reliable pump operation.

By adeptly sifting debris from the fluid stream, the suction diffuser acts as a shield, preventing harmful particles from causing clogs and damage to the pump. Additionally, the integrated flow straightener ensures a seamless, turbulence-free flow into the pump, effectively reducing turbulences and minimizing pressure fluctuations for enhanced overall system stability.

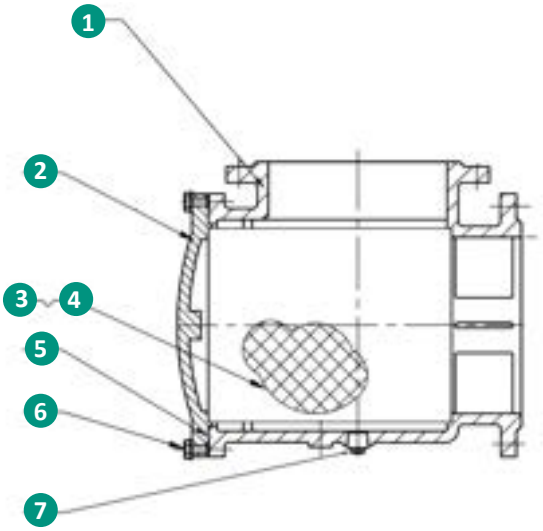
Combining the functions of a strainer, flow straightener, and diffuser, suction diffusers stand as stalwart guardians of efficiency and reliability in fluid dynamics.

Declaration

The product has been manufactured and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014.

Product Specification

DN 50x50 - 300x300



N°	Name	Material
1	Body	Ductile Iron EN JS 1050
2	Cover	Ductile Iron EN JS 1050
3	Screen	Stainless Steel SS 304S15
4	20 Woven mesh	Stainless Steel SS 304S15
5	O-rings	EPDM
6	Bolt	Carbon Steel BS235JR
7	Plug/drain	Carbon Steel BS235JR

Screen Information

ST	Mesh	T	øF	Opening area
	Per cm²	*mm*	*mm*	*%*
Perforated	4.96	1	3.2	39.9

Screen type - Mesh: Number of holes - T: Thickness - øF: Inscribed hole diameter

FIVC Suction Diffuser

Ductile Iron – PN 25 – EN 1092-2

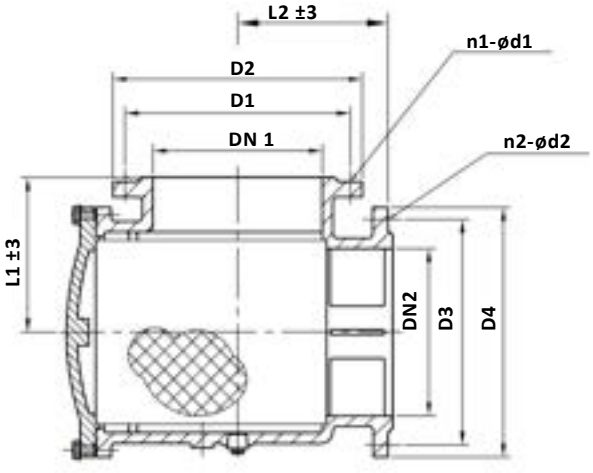
Product Information

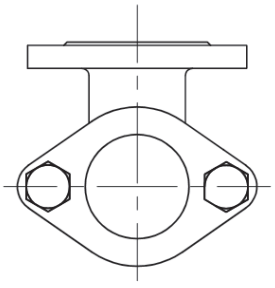
	Size	L1	L2	D1	D2	n1-ød1	D3	D4	n2-ød2	ØA	L	Kg
FSD50x50N25212	50x50	118.5	118.5	125	165	4-Ø19	125	165	4-Ø19	Ø64	125	11.0
FSD65x50N25212	65x50	129.0	130.5	145	185	8-Ø19	125	165	4-Ø19	Ø80	138	15.0
FSD65x65N25212	65x65	129.0	129.0	145	185	8-Ø19	145	185	8-Ø19	Ø80	138	17.0
FSD80x50N25212	80x50	140.6	118.1	160	200	8-Ø19	125	165	4-Ø19	Ø64	125	19.0
FSD80x65N25212	80x65	141.0	142.6	160	200	8-Ø19	145	185	8-Ø19	Ø88	143	21.0
FSD80x80N25212	80x80	141.0	141.0	160	200	8-Ø19	160	200	8-Ø19	Ø88	143	23.0
FSD100x80N25212	100x80	161.0	165.9	190	235	8-Ø23	160	200	8-Ø19	Ø138	172	35.0
FSD100x100N25212	100x100	161.0	161.0	190	235	8-Ø23	190	235	8-Ø23	Ø125	166	38.0
FSD125x100N25212	125x100	187.6	187.6	220	270	8-Ø28	190	235	8-Ø23	Ø170	223	50.0
FSD125x125N25212	125x125	187.6	187.6	220	270	8-Ø28	220	270	8-Ø28	Ø170	223	53.0
FSD150x100N25212	150x100	198.6	161.1	250	300	8-Ø28	190	235	8-Ø23	Ø138	172	45.0
FSD200x125N25212	200x125	186.4	225.1	310	360	12-Ø28	220	270	8-Ø28	Ø210	250	65.0
FSD150x125N25212	150x125	203.0	203.0	250	300	8-Ø28	220	270	8-Ø28	Ø210	250	56.7
FSD150x150N25212	150x150	203.0	203.0	250	300	8-Ø28	250	300	8-Ø28	Ø168	312	63.8
FSD200x150N25212	200x150	223.0	198.6	310	360	12-Ø28	250	300	8-Ø28	Ø210	250	87.0
FSD200x200N25212	200x200	229.0	229.0	310	360	12-Ø28	310	360	12-Ø28	Ø263	355	116
FSD250x200N25212	250x200	274.7	223.4	370	425	12-Ø31	310	360	12-Ø28	Ø263	355	131
FSD250x250N25212	250x250	274.3	274.3	370	425	12-Ø31	370	425	12-Ø31	Ø313	458	149
FSD300x200N25212	300x200	276.7	274.4	430	485	16-Ø31	310	360	12-Ø28	Ø263	315	157
FSD300x250N25212	300x250	301.5	274.3	430	485	16-Ø31	370	425	12-Ø31	Ø313	458	212
FSD300x300N25212	300x300	301.5	301.5	430	485	16-Ø31	430	485	16-Ø31	Ø343	454	227

Dimensions are in millimeters

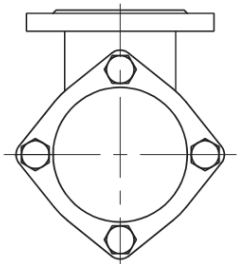
Dimensions

Size 50x50 - 300x300

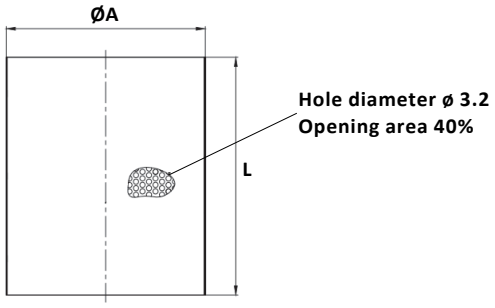


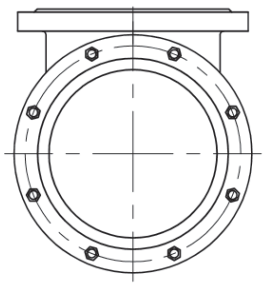


Size 50x50 - 100x100



Size 125x100 - 200x125





Size 200x150 - 300x300

AIR VENTS



Efficient Air Control	Efficient air discharge, air admission during vacuum formation, and pressurized water discharge (for triple-action models). Promotes rapid pressure stabilization and enhances system reliability across various operating conditions.
Durability	Of robust, high-quality materials to withstand fluctuating temperatures and pressures for demanding environments.
Green transformation	Minimizes airflow resistance, reducing energy loss, and promotes efficient operation. Contributes to lower energy consumption, reduced carbon footprint, and overall sustainability goals.
Low Maintenance	Ease installation with no manual intervention required during operation. Minimal maintenance ensures reduced downtime.



- Effective air discharge
- 1-action, 2-action, or 3-action vent
- Eliminating flow restrictions
- Eliminating unnessecary headloss
- Eliminates air pockets
- Single-, double-, or triple action

Available as

Single-action

Double-action

Triple-action

ISH 2025

FIVC Automatic Air Vent

Brass – PN 7 – Single Action – ISO 228



FAV series

Technical data

Main features and materials

- Body: Brass CW617N
- Disc spring: Stainless Steel
- O-Ring: EPDM
- Internal float: PP-H
- Stem: Brass CW614N
- Handle: PTFE
- USP: Single action; Releases accumulated air. Compact settlement

Field of applications

- Temperature range: 5 to 120 °C
- Max. working pressure: 14 bar
- Max. pressure of airvent operation: 7 bar
- Compatible fluids: Water and glycol solutions *(Max. 50 % concentration of glycol)*

- Hot and cold water plants
- Industrial Technologies
- Heat and refrigerating
- Engineering and air-conditioning

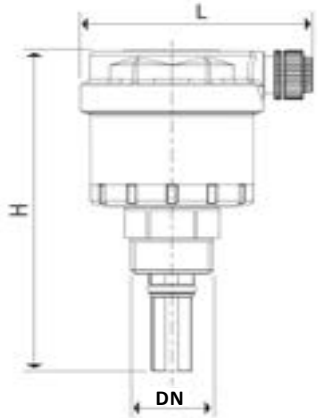
Description

FIVC Automatic Air Vent is designed as a single action valve with a small orifice to releases low volumes of air when the line is under pressure.
Benefits of using the FIVC Air Vent are its contribution for an efficient flow, since air pockets lead to restrictions of the flow, hence unnecessary head loss and sometimes also flow stop.
The Air Vent does have a reliable operation that reduces the water hammer incidents.
The valve can be used for water.

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



Product Information

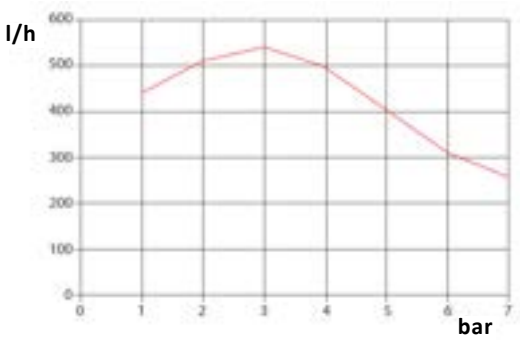
Product code	Size *(DN)*	L*	H*	Kg
FAV038B7	10	47	81	0.13
FAV015B7	15	47	81	0.15

**Dimensions are in millimeters*

Product Specification

N°	Name	Material
1	Body	Brass
2	Disc spring	Stainless Steel
3	O-Ring	EPDM

Performance



Pressure *(bar)*	Air capacity *(l/h)*
1	440
2	510
3	540
4	500
5	400
6	310
7	250

The graph reports the air capacities in discharge, in standard conditions at the change of the relative pressure of the system.

FIVC Automatic Air Vent

Brass – PN 10 – Single Action – ISO 228



FAV series

Technical data

Main features and materials

- Body: Brass CW614N
- Disc spring: Stainless Steel
- O-Ring: NBR
- Internal float: Polythene
- Stem: Brass CW614N
- Gasket: NBR
- USP: Single action; Releases accumulated air. Compact settlement

Field of applications

- Max. temperature: 110 °C
- Max. working pressure: 10 bar
- Compatible fluids: Water

- Hot and cold water plants
- Industrial Technologies
- Heat and refrigerating
- Engineering and air-conditioning

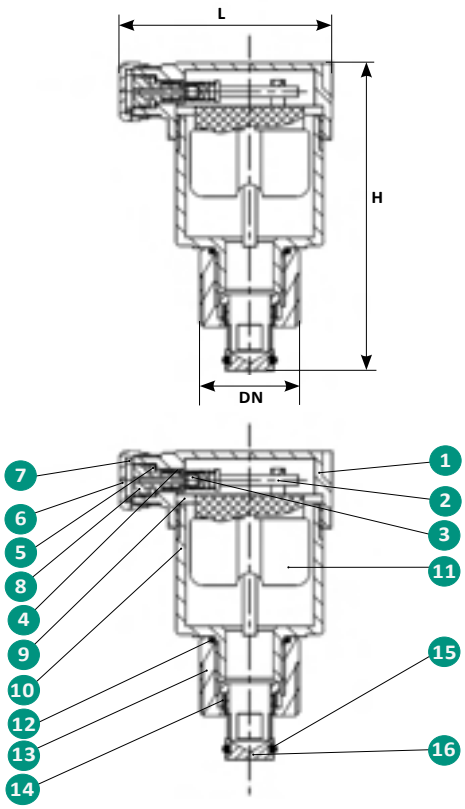
Description

FIVC Automatic Air Vent is designed as a single action valve with a small orifice to releases low volumes of air when the line is under pressure.
Benefits of using the FIVC Air Vent are its contribution for an efficient flow, since air pockets lead to restrictions of the flow, hence unnecessary head loss and sometimes also flow stop.
The Air Vent does have a reliable operation that reduces the water hammer incidents.
The valve can be used for water.

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



Product Information

Product code	Size *(DN)*	L*	H*	Kg
FAV015B1021	15	50	68	-
FAV020B1021	20	50	68	-
FAV025B1021	25	50	68.7	-

**Dimensions are in millimeters*

Product Specification

N°	Name	Material
1	Cap	Brass CW614N
2	Stem	Brass CW614N
3	Gasket	NBR
4	Spring	Stainless Steel SS 304
5, 7, 9, 12, 15	O-Rings	NBR
6	Air cap	Brass CW614N
8	Core	Brass CW614N
10	Body	Brass CW614N
11	Floater	Polythene
13	Connector	Brass CW614N
14	Spring	Stainless Steel SS 304
16	Disc	Brass CW614N

FIVC Automatic Air Vent

Brass – PN 16 – Single Action – ISO 228



FAV series

Technical data

Main features and materials

- Body: Brass CW614N
- Disc spring: Stainless Steel
- O-Ring: NBR
- Internal float: Polythene
- Stem: Brass CW614N
- Gasket: NBR
- USP: Single action; Releases accumulated air. Compact settlement

Field of applications

- Max. temperature: 110 °C
- Max. working pressure: 16 bar
- Compatible fluids: Water

- Hot and cold water plants
- Industrial Technologies
- Heat and refrigerating
- Engineering and air-conditioning

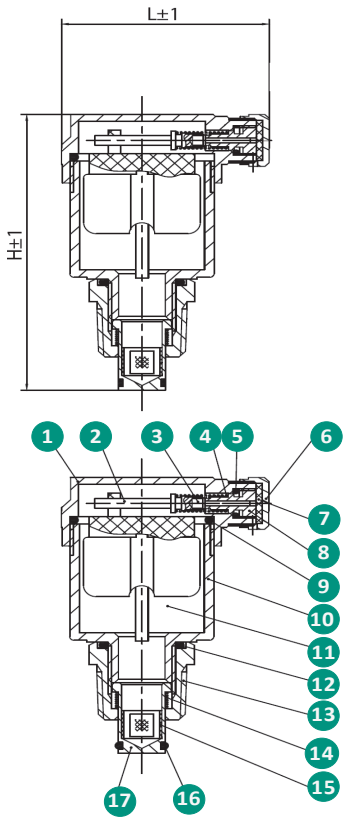
Description

FIVC Automatic Air Vent is designed as a single action valve with a small orifice to releases low volumes of air when the line is under pressure.
Benefits of using the FIVC Air Vent are its contribution for an efficient flow, since air pockets lead to restrictions of the flow, hence unnecessary head loss and sometimes also flow stop.
The Air Vent does have a reliable operation that reduces the water hammer incidents.
The valve can be used for water.

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



Product code	Size (DN)	L	H	Kg
FAV015B1621	15	50	75	-
FAV020B1621	20	50	75	-
FAV025B1621	25	50	75	-

Dimensions are in millimeters

Product Specification

N°	Name	Material
1	Cap	Brass CW614N
2	Stem	Brass CW614N
3	Gasket	NBR
4	Spring	Stainless Steel 304
5, 7, 9, 12, 16	O-Rings	NBR
6	Air cap	Brass CW614N
8	Core	Brass CW614N
10	Body	Brass CW614N
11	Floater	Polythene
13	Connector	Brass CW614N
14	Spring	Stainless Steel 304
15	Screen	Stainless Steel 304
17	Disc	Brass CW614N

FIVC Air Vent

Ductile Iron – PN 16 – Single Action – Screwed – BSPT



FAI series

Technical data

Main features and materials

- Body: Ductile Iron
- Bonnet: Ductile Iron
- Sealing seat: Bronze
- O-Ring: Viton/EPDM
- Ball: Stainless Steel
- Thread: BSPT
- Connection: GB/T12716 - GB/T7306
- Testing: Shell pressure: 2.4 MPa
  Sealing pressure: 1.8 MPa
- USP: Single action; Releases accumulated air
  Compact settlement

Field of applications

- Temperature range: -10 to 100 °C
- Max. working pressure: 16 bar

- HVAC
- Water supply system
- Building industry
- Waste water treatment

Description

The FIVC Air Vent is designed as a single action valve with a small orifice to releases low volumes of air when the line is under pressure.

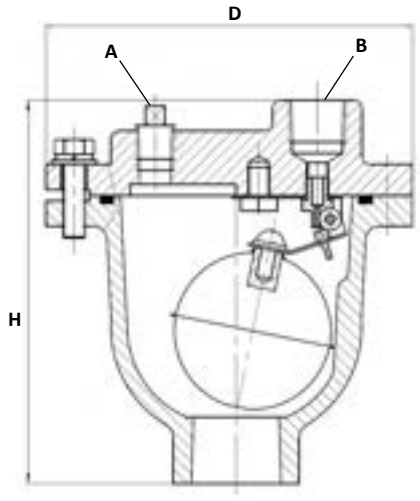
Benefits of using the air vent are its contribution for an efficient flow since air pockets lead to restrictions of the flow, hence unnecessary head loss and sometimes also flow stop.

The air vent does have a reliable operation that reduces the water hammer incidents.
The valve can be used for water.

Declaration

The product has been manufactured and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).
Compliance: JKR 20200-0043-99.

Dimensions



Product code	Size	D	A	B	H	Kg
FAI015N16BS230	15	134	1/4"	1/2"	140	2.9
FAI020N16BS230	20	134	1/4"	1/2"	140	2.9
FAI025N16BS230	25	134	1/4"	1/2"	140	2.9

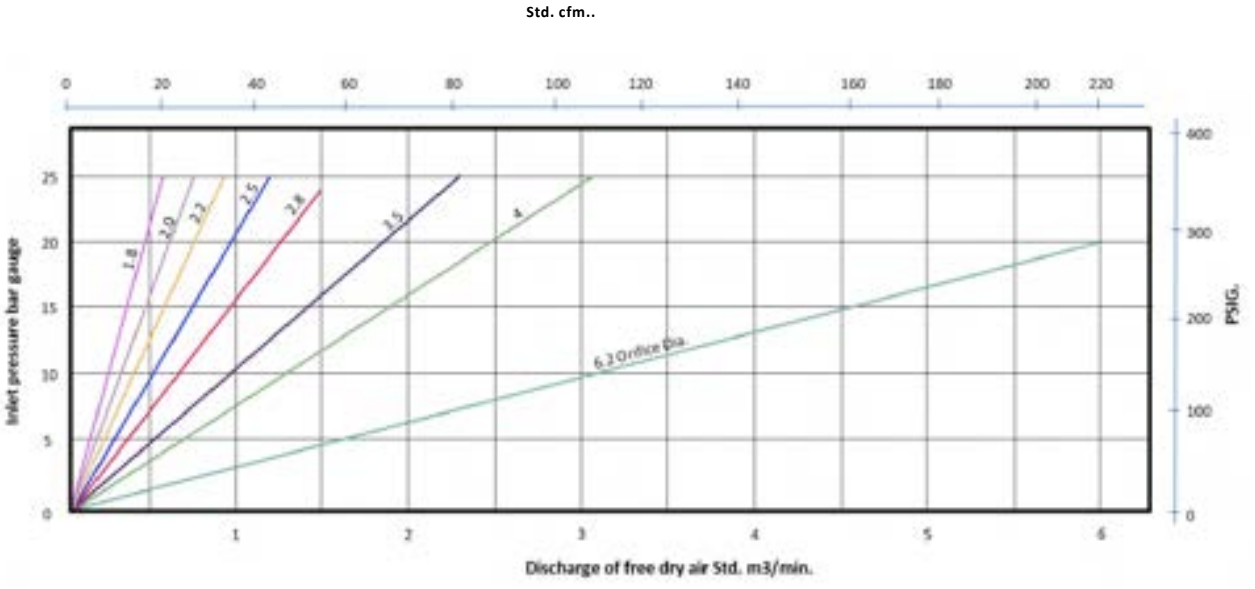
Dimensions are in millimeters

FIVC Air Vent

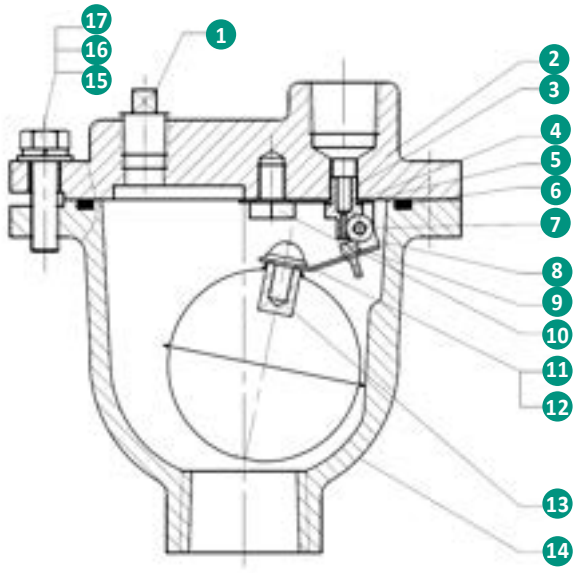
Ductile Iron – PN 16 – Single Action – Screwed – BSPT

Air Discharge Charts

Small orifice



Product Specification



N°	Name	Material
1	Plug	Strainless Steel BS 970 304S15
2	Bonnet	Ductile Iron EN GJS 450-10
3	Seal seat	Bronze
4	Sealing washer	Viton/EPDM
5	Yoke	Stainless Steel BS 970 304S15
6	O-Ring	Viton/EPDM
7	Pin	Stainless Steel BS 970 304S15
8	Arm	Stainless Steel BS 970 304S15
9	Sealing plug	Viton
10	Bolt	Stainless Steel BS 970 304S15
11	Screw	Stainless Steel BS 970 304S15
12	Snap ring	Stainless Steel X12CrMnNI 17-7-5
13	Ball	Stainless Steel BS 970 304S15
14	Body	Ductile Iron EN GJS 450-10
15	Bolt	Stainless Steel BS 970 304 S15
16	Spring washer	Stainless Steel BS 970 304 S15
17	Flat washer	Stainless Steel BS 970 304 S15

FIVC Triple Duty Air Vent

Ductile Iron – PN 16 – Triple Action – EN 1092-2



FAI series

Technical data

Main features and materials

• Body:	Ductile Iron
• Float ball:	ABS plastic
• Gasket:	EPDM
• Dust cap:	Ductile Iron
• Ball seal large orifice:	EPDM
• Screw plug:	Brass
• Standard:	JKR 20200-0043-99
• Drilling:	EN 1092-2 PN 16
• Test	Shell pressure: 2.4 MPa Seat pressure: 1.8 MPa
• USP:	Triple action; Releases accumulated air, discharges and admits air during filling and/or draining. Compact settlement

Field of applications

• Temperature range:	-10 to 100 °C
• Max. working pressure:	16 bar

- HVAC
- Water supply system
- Building industry
- Waste water treatment

Description

The FIVC Triple Duty Air Vacuum Vent is designed as a triple-action valve to discharge large volumes of air during filling and/or to admit air into the system during system drainage, valve or pump shut-off, or at water column separation. Further, the orifice in the automatic valve releases large volumes of air at high flow rates when the line is under pressure.

A significant advantage of using the Triple Duty Air Vent is that it contributes to smooth flow. This is because air pockets restrict the flow, causing unnecessary head loss and sometimes even flow stoppage. Air pockets do also lead to water hammers that can damage equipment including other valves in the pipeline. In addition, the Triple Duty Air Vent has a reliable operation, which reduces the likelihood of water hammer incidents.

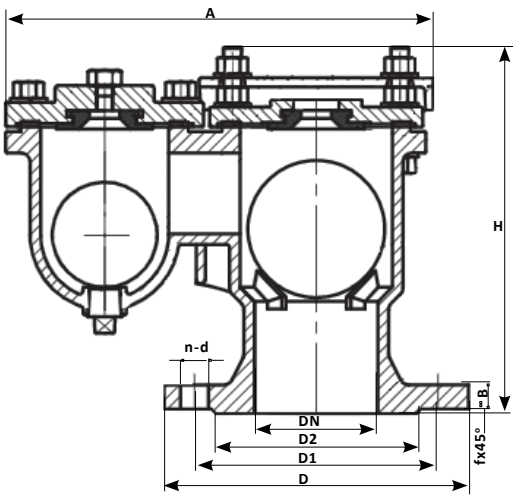
This valve can be used for water.

Declaration

The product has been inspected and tested in accordance with the European PED Directive No. 2014/68/EU dated 15/05/2014.

Compliance acc. To JKR 20200-0043-99.

Dimensions

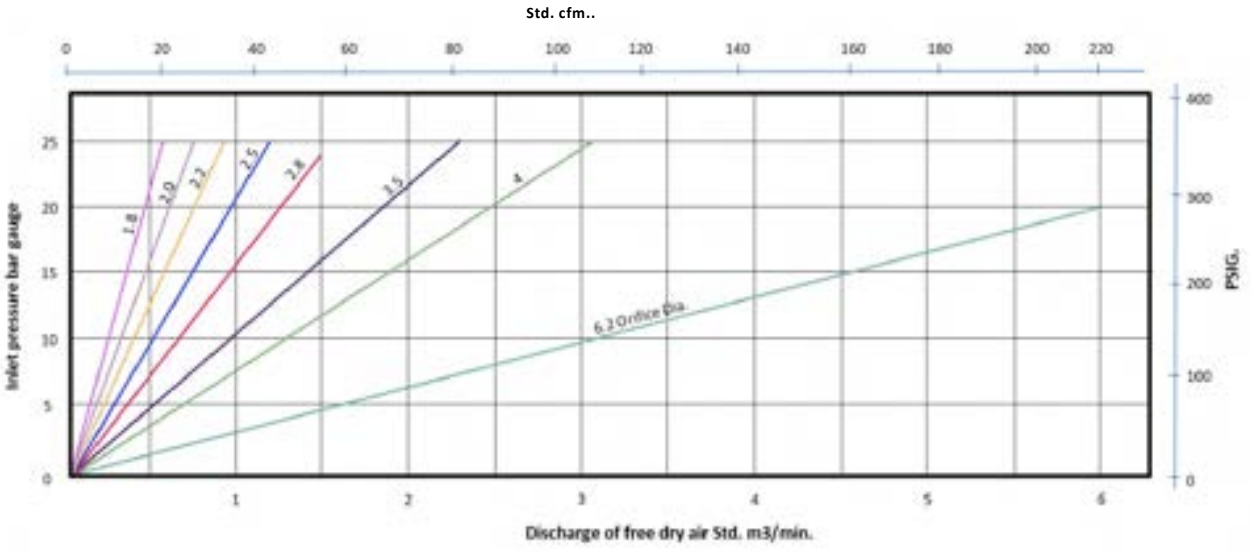


Product code	Size	D	D1	D2	B	f	n-d	H	A	Kg
FAI040N16BT230	40	150	110	84	19	3	4-19	187	244	8.7
FAI050N16BT230	50	165	125	99	19	3	4-19	214	273	13.0
FAI065N16BT230	65	185	145	118	19	3	4-19	214	273	13.7
FAI080N16BT230	80	200	160	132	19	3	8-19	244	283	16.2
FAI100N16BT230	100	220	180	156	19	3	8-19	270	302	20.0
FAI125N16BT230	125	250	210	184	19	3	8-19	323	353	32.0
FAI150N16BT230	150	285	240	211	19	3	8-23	323	353	32.7
FAI200N16BT230	200	340	295	266	20	3	12-23	401	433	53.5
FAI250N16BT230	250	405	355	319	22	3	12-28	450	491	77.0

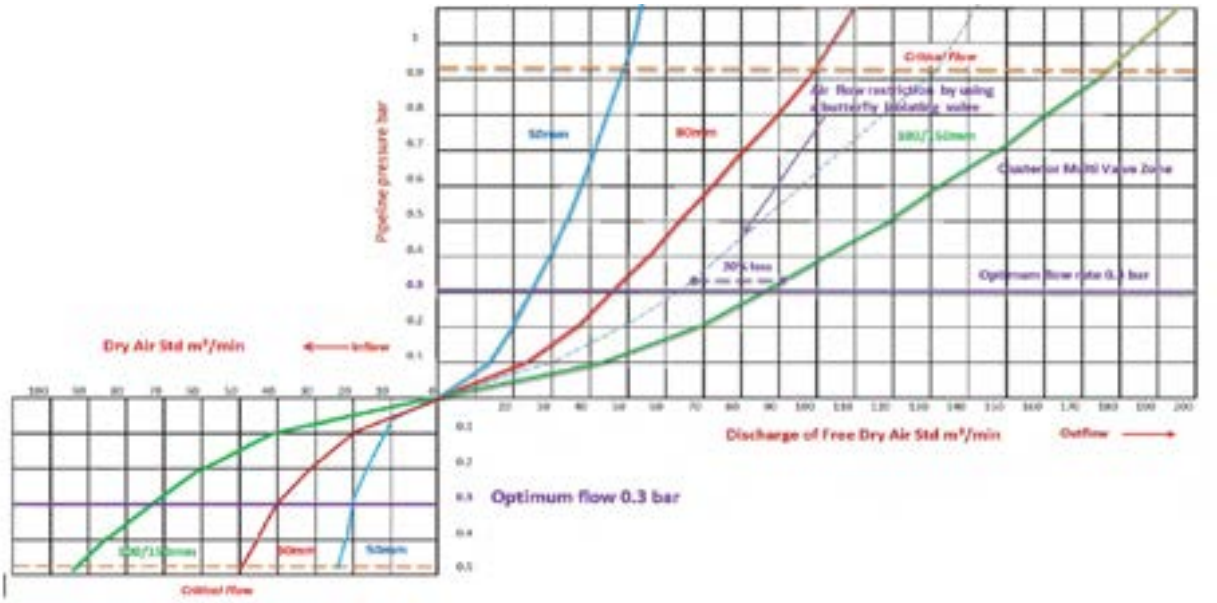
Dimensions are in millimeters

Air Discharge Charts

Small orifice



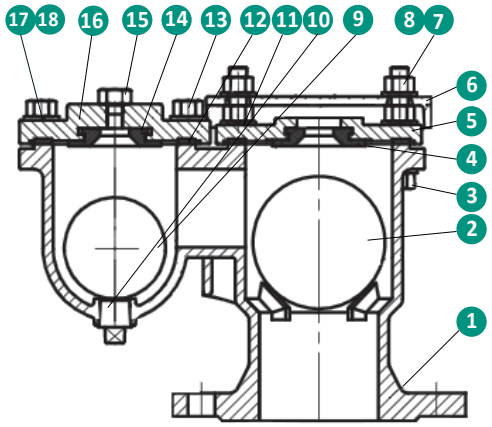
Large orifice



FIVC Triple Duty Air Vent

Ductile Iron – PN 16 – Triple Action – EN 1092-2

Product Specification



N°	Name	Material
1	Body	Ductile Iron BS 2789 Gr 500-7
2	Float ball	ABS plastic ISO 2580
3	Bolt	Stainless Steel BS 970 43A
4	Ball seal - large orifice	BS 2494 Type W EPDM
5	Large orifice cover	Ductile Iron BS 2789 Gr 500-7
6	Dust cap	Ductile Iron BS 2789 Gr 500-7
7	Nut	Stainless Steel BS 970 43A
8	Washer	Stainless Steel BS 970 43A
9	Float ball	ABS plastic ISO 2580
10	Screw plug	Brass BS 1400 PCB1
11	Ball seal large orifice	BS 2494 Type W EPDM
12	Gasket	BS 2494 Type W EPDM
13	Bolt	Stainless Steel BS 970 43A
14	Seal orifice	Rubber BS 2494 Type W
15	Screw plug	Brass BS 1400 PCB1
16	Small orifice cover	Ductile Iron BS 2789 Gr 500-7
17	Nut	Stainless Steel BS 970 43A
18	Washer	Stainless Steel BS 970 43A

PRESSURE REDUCING VALVE



Feature	Automatic hydraulic device that regulates and stabilizes fluid pressure to desired levels.
Vigilant guardian of system integrity	Ensures consistent performance and system safety.
Corrosion resistance	Exhibits exceptional resistance to corrosion, ensuring reliability and longevity even in corrosive environments.
Green responsibility	Minimizes energy consumption while extending equipment lifespan, reducing the frequency of replacements. Maintains consistent pressure, protects the system, and promotes efficiency and sustainability.
Low maintenance	Engineered for reliability and longevity, requiring minimal maintenance, reducing downtime and operational costs.



- Maintains Consistent Pressure
- System protection
- Prevents Water Hammer
- Conserves Water and Energy
- Enhances System Efficiency

ISH 2025

FIVC Pressure Reducing Valve

Brass – PN 25 – ISO 228



FPR series

Technical data

Main features and materials

• Body:	Brass CW617N
• Gasket:	EPDM
• Piston:	Techno Polymer+ Glass fibre
• Seat:	Stainless Steel
• Sound class:	II - Lap [sB (A)] <30
• Standard:	EN 1567

Field of applications

• Temperature range:	0 to 130 °C *(no freezing)*
• Max. working pressure:	25 bar
• Outlet pressure regulation:	1 to 5.5 bar
• Outlet pressure factory set:	3 bar
• Compatible fluids:	Water and glycol solutions *(max. 50% concentration of glycol).* Compressed air *(except DN 50)*

- Petrochemical industry
- Irrigation systems
- Mining and infrastructure industries
- Shipyard industry
- Compressed air
- Textile industry
- Mechanical industry
- Steam applications
- Other various industries

Description

The piston-type FIVC Pressure Reducing Valve is an automatic valve that reduces and stabilizes the pressure of a fluid in a water distribution conduit according to a present value.

The use of this hydraulic device is necessary in case the maximum possible pressure at any point in the water distribution system can reach or exceed the relative maximum allowable working pressure, or if connectable to apparatus and equipment that function exclusively at lower levels of pressure.

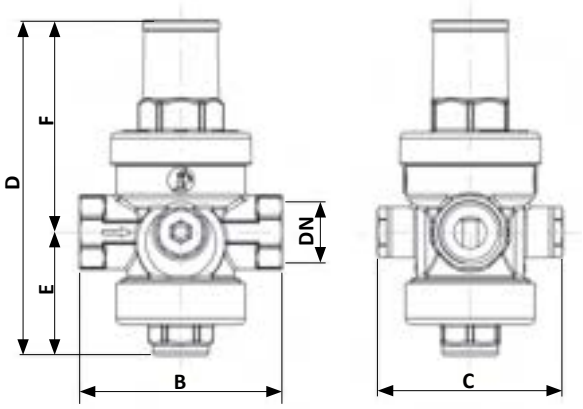
The piston-type FIVC Pressure Reducing Valve is designed for use in either internal or external water distribution systems, where the water main pressure values do not surpass 25 bar.

The thermoplastic material of the internal piston structure guarantees rigidity, strength and an enhanced regulation precision thanks to the compensated seat.

Declaration

The model complies with the European PED Directive N° 97/23/EC, dated 25/02/2000, and is CE marked.

Dimensions



Product Information

Product code	Size (DN)	B*	C*	D*	E*	F*	Kg
FPR015B25P01	15	69	63	113.8	41.8	72	0.58
FPR020B25P01	20	82	63	113.8	41.8	72	0.65
FPR025B25P01	25	96	73	145.5	52.5	93	1.08
FPR032B25P01	32	100	73	151.5	56.5	95	2.31
FPR040B25P01	40	91	77	148	48	100	1.35
FPR050B25P01	50	97	81	150	48	102	1.54

**Dimensions are in millimeters*

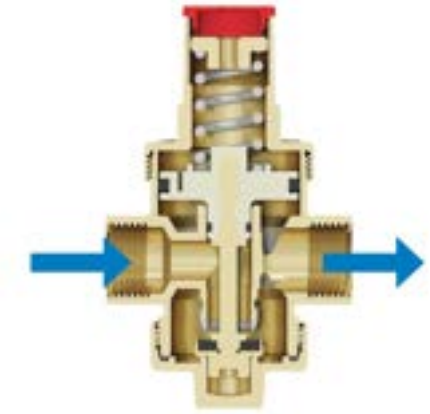
Product Specification

N°	Name	Material
1	Body	Nickel plated Brass CW617N UNI EN 12165
2	Gasket	EPDM Peroxide
3	Piston	Techno Polymer reinforced with Glass Fibre
4	Seat	Stainless Steel EN 10088 1.4305 AISI 303
5	Spring	Zinc plated Steel EN 10270-1 SM

FIVC Pressure Reducing Valve

Brass – PN 25 – ISO 228

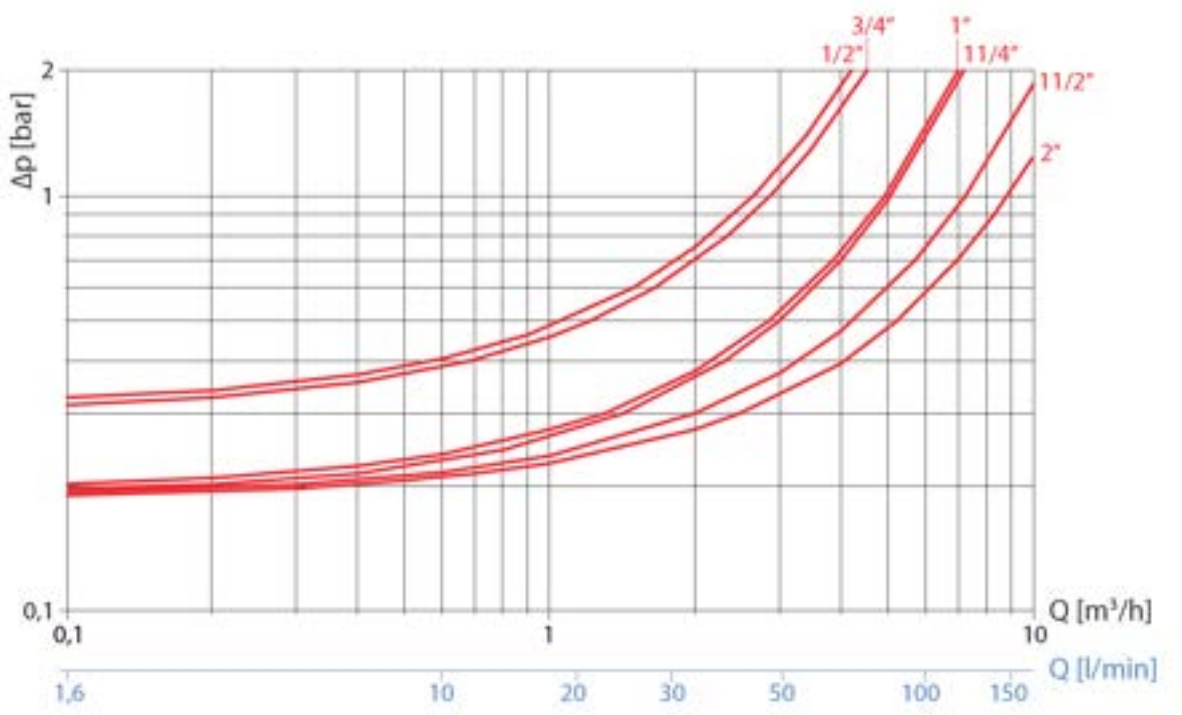
Flow Rate Values



Size *(DN)*	Flow Rate	
	(m^3/h)	*(l/min)*
15	1.27	21.16
20	2.27	37.83
25	3.6	60
32	5.8	96.66
40	9.1	151.66
50	14	233.33

Rated water flow rate, relative to a speed of 2 m/s for each diameter acc. to the requirements of standard EN 1567.

Flow Rate Diagram



FOOT VALVES



Feature	Positioned at suction pipe ends, the foot valve prevents backflow by closing when the pump is inactive, while its integrated strainer filters debris to protect the pump and ensure smooth flow.
Corrosion resistance	Exhibit exceptional resistance to corrosion, ensuring reliable performance in corrosive environments.
Green responsibility	Conserve energy by ensuring optimal fluid flow and minimizing the need for maintenance, thus reducing environmental impact.
Space optimizer	Optimizes space utilization by combining multiple functions into a single unit, making it ideal for installations with limited space availability.
Adaptability	Can be easily integrated into various fluid systems and applications, offering flexibility and compatibility.



- Eliminates gravity-influenced flow
- Pump protection
- System filtration
- Maximizes system efficiency
- Ease of installation and maintenance

ISH 2025

FIVC Foot Valve

Bronze – PN 10 – ISO 228



FFV series

Technical data

Main features and materials

- Body: Bronze CC491K
- Gasket: Fiber
- Cover: Bronze CC491K
- Disc: Brass CW614N
- Disc face: NBR
- USP: Works for Water, Oil, and Gas

Field of applications

- Max. temperature: 110 °C
- Max. working pressure: 10 bar

- Industrial Water
- Neutral fluids

Description

FIVC Foot Valve is designed as a type of check valve with a strainer used e.g. when water needs to be extracted from an underground well. The foot valve eliminates the return of pressurized fluid entering the water pump. Simultaneously, the foot valve collects, as well as prevents solid impurities from entering the pump, which could otherwise lead to improper pump functionality.

Benefits of using the foot valve include its protection to the most sensitive plant component, the pump, as well as eliminating wastage of energy.

Further, the valve ensures reliability without manual operation or energy performance.

With its innovative construction, the valve features several benefits and provides cost-, maintenance, and installation efficiency.
The valve can be used for Water, Oil, and Gas.

Alternative Product Versions

Other Standards

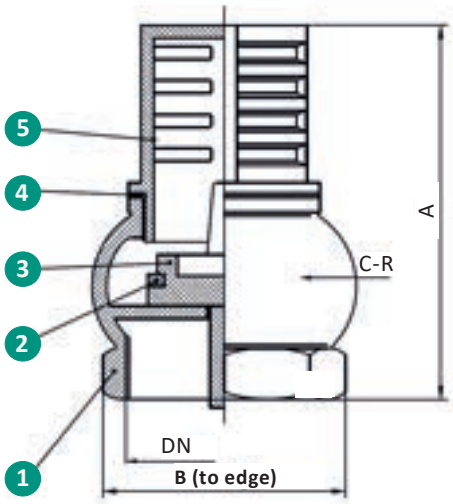
ANSI • ASME B1.20.1 • NPT

ISO 7/1 threads

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



Product code	Size	A	B	C-R	Kg
FFV015O10S21	15	60	26	19.5	-
FFV020O10S21	20	67	32	22.25	-
FFV025O10S21	25	74	38	24	-
FFV032O10S21	32	92	47	29.75	-
FFV040O10S21	40	99	53	34	-
FFV050O10S21	50	117	65	40	-

Dimensions are in millimeters

Product Specification

N°	Name	Material
1	Body	Bronze CC491K
2	Disc face	NBR
3	Disc	Brass CW614N
4	Gasket	Fiber
5	Cover	Bronze CC491K

FIVC Foot Valve

Brass – PN 10 – ISO 228



FFV series

Technical data

Main features and materials

- Body: Brass
- Gasket: Fiber
- Cover: Brass
- Disc: Brass
- Disc face: NBR
- USP: Works for Water, Oil, and Gas

Field of applications

- Max. temperature: 110 °C
- Max. working pressure: 10 bar

- Industrial Water
- Neutral fluids

Description

FIVC Foot Valve is designed as a type of check valve with a strainer used e.g. when water needs to be extracted from an underground well. The foot valve eliminates the return of pressurized fluid entering the water pump. Simultaneously, the foot valve collects, as well as prevents solid impurities from entering the pump, which could otherwise lead to improper pump functionality.

Benefits of using the foot valve include its protection to the most sensitive plant component, the pump, as well as eliminating wastage of energy.

Further, the valve ensures reliability without manual operation or energy performance. With its innovative construction, the valve features several benefits and provides cost-, maintenance, and installation efficiency.
The valve can be used for Water.

Alternative Product Versions

Other Standards

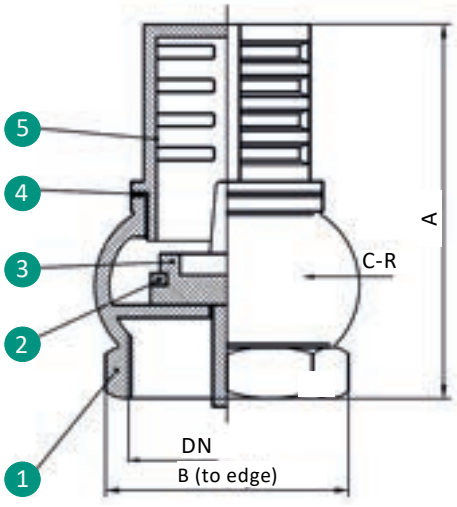
ANSI • ASME B1.20.1 • NPT

ISO 7/1 threads

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



Product code	Size *(DN)*	A	B	C-R	Kg
FFV015B10S42	15	63	26	19.5	0.145
FFV020B10S42	20	70	33	22.25	0.21
FFV025B10S42	25	75.5	39.5	24	0.25
FFV032B10S42	32	84	50	29.75	0.39
FFV040B10S42	40	88	56.9	34	0.555
FFV050B10S42	50	100	70	40	0.87

Dimensions are in millimeters

Product Specification

N°	Name	Material
1	Body	Brass Hpb57-3
2	Disc face	NBR
3	Disc	Brass Hpb57-3
4	Gasket	Fiber
5	Cover	Brass Hpb57-3

FIVC Foot Valve

Grey Cast Iron – PN 16 – Wafer – EN 1092-2



FFV series

Technical data

Main features and materials

- Body: Grey Cast Iron
- Guide: Ductile Iron
- Disc: Ductile Iron
- Guiding stem: Copper Alloy
- Spring: Stainless Steel
- Seal: EPDM
- Screen: Carbon Steel
- USP: Silent closing
  Cost- and maintenance efficient
  Low head loss

Field of applications

- Temperature range: -10 to 120 °C
- Max. working pressure: 16 bar

- Industrial Water
- Neutral fluids

Description

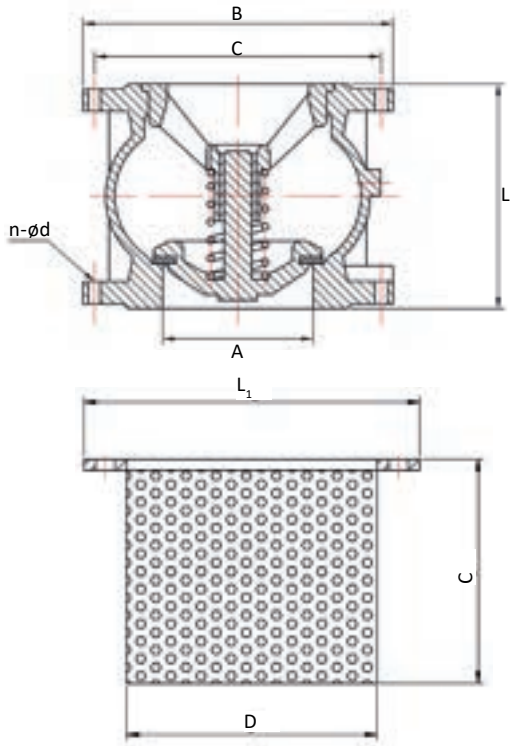
FIVC Foot Valve is designed as a type of check valve with a strainer used e.g. when water needs to be extracted from an underground well. The foot valve eliminates the return of pressurized fluid entering the water pump. Simultaneously, the foot valve collects, as well as prevents solid impurities from entering the pump, which could otherwise lead to improper pump functionality.

Benefits of using the foot valve include its protection to the most sensitive plant component, the pump, as well as eliminating wastage of energy.
Further, the valve ensures reliability without manual operation or energy performance. With its innovative construction, the valve features several benefits and provides cost-, maintenance, and installation efficiency.
The valve can be used for Water.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014.

Dimensions



Product Information

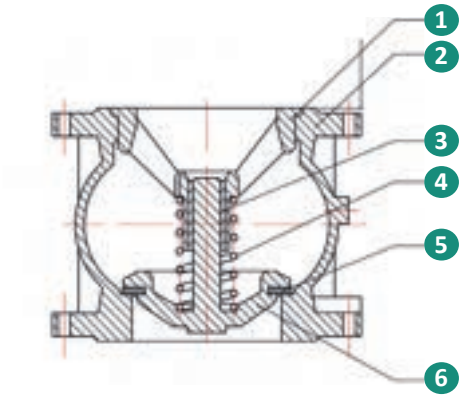
Product code	Size (DN)	L	A	B	C	n-ød	L_1	C	D	Kg
FFV050C16SC220	50	100	50	165	125	4-18.5	156	80	111	-
FFV065C16SC220	65	120	65	185	145	4-18.5	176	100	131	-
FFV080C16SC220	80	140	80	200	160	8-18.5	192	120	148	-
FFV100C16SC220	100	170	101	220	180	8-18.5	212	150	168	-
FFV125C16SC220	125	200	127	250	210	8-18.5	242	175	198	-
FFV150C16SC220	150	230	145.5	285	240	8-23	275	200	222	-
FFV200C16SC220	200	301	194	340	295	12-23	332	250	278	-
FFV250C16SC220	250	370	245	405	355	12-28	385	300	329	-
FFV300C16SC220	300	410	300	460	410	12-28	445	350	384	-

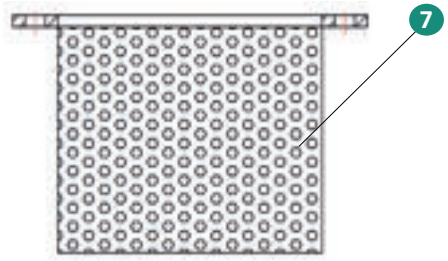
Dimensions are in millimeters

FIVC Foot Valve

Grey Cast Iron – PN 16 – Wafer – EN 1092-2

Product Specification





N°	Name	Material
1	Guide	Ductile Iron GGG 40 CuZn40Pb2
2	Body	Grey Cast Iron GG 25
3	Guiding stem	Copper Alloy CuZn40Pb2
4	Spring	Stainless Steel
5	Seal	EPDM
6	Disc	Ductile Iron GGG 40 CuZn40Pb2
7	Screen	Carbon Steel Q235 Zinc-plated

HOSE BIBCOCKS AND DRAIN TAPS

Feature	Precise and reliable fluid control in static systems. Ensures efficient discharge and drainage, minimizing waste and ensuring optimal system performance.
Durability	Of premium materials to endure harsh environmental conditions, temperature fluctuations, and pressure variations. Built to ensure long-lasting performance and reduced wear over time.
Green transformation	Low-resistance design promotes efficient fluid flow, reducing energy consumption. Contributes to sustainability by minimizing leaks, waste, and energy losses.
User-Friendly Operation	Engineered for easy operation and swift drainage. Suitable for both residential and industrial applications, offering versatile use with minimal effort.





- Convenient outdoor water access
- Efficient system maintenance
- Improved plumbing system
- Long lifespan

ISH 2025

FIVC Hose Bibcock

Brass – PN 10 – ISO 228



FBA series

Technical data

Main features and materials

- Body: Brass CW617N
- Stem: Brass CW614N
- Ball: Brass CW614N
- Seat: PTFE *(with 7° min. tightness angle)*
- Lever: Aluminium
- Gland: Brass CW614N
- USP: Easy control of the flow

Field of applications

- Temperature range: 80 °C
- Max. working pressure: 10 bar

- Petrochemical industry
- Irrigation systems
- Mining and infrastructure industries
- Shipyard industry
- Compressed air
- Low-pressure steam plants
- Mechanical industry
- Hot and cold water plants
- Air conditioning systems

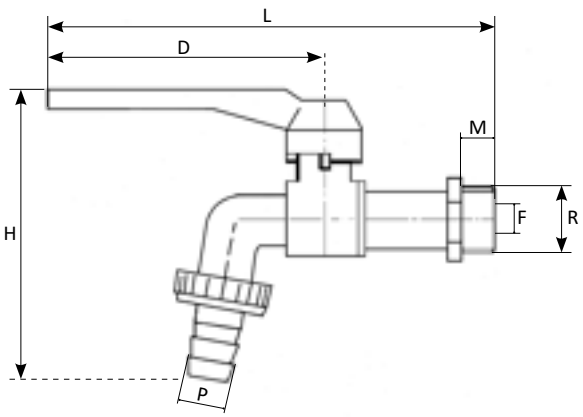
Description

FIVC Hose Bib is designed as a threaded tap to be installed in as a source of media for isolation purposes.
Benefits of using the hose bibcock is the easy control of the flow.
The valve can be used for Water.

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



Product Information

Product code	Size *(DN)*	D*	H*	L*	M*	P*	F*	Kg
FBA010B10BC	10	90	92	145	11	14	10	-
FBA015B10BC	15	90	92	145	11	14	10	-
FBA020B10BC	20	90	103	155	14	20	12	-
FBA025B10BC	25	90	118	170	15	25	14	-

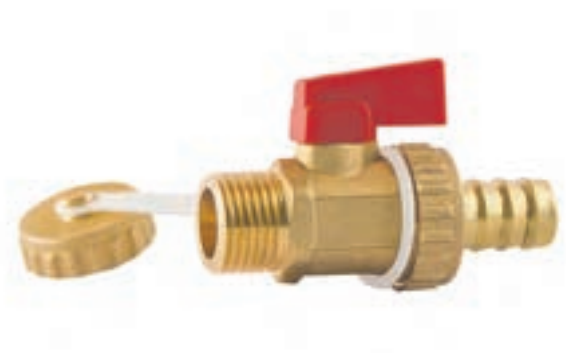
**Dimensions are in millimeters*

Product Specification

N°	Name	Material
1	Body	Brass CW617N UNI EN 12165
2	Stem	Brass CW614N UNI EN 12164
3	Gland	Brass CW614N UNI EN 12164
4	Seat	PTFE
5	Ball	Brass CW614N UNI EN 12164. *Nickel and Chromium plated by diamond-tipped tool*
6	Stem packing	PTFE
7	Handle	Plastic in red
8	Lever	Aluminium
9	Finishing	Matt nickel
10	Antifriction ring	PTFE

FIVC Drain Cock

Brass – PN 10 – w/Ball – ISO 228



FBA series

Technical data

Main features and materials

- Body: Brass CW617N
- Stem: NBR Rubber
- Cap: Brass CW617N
- Nut: Brass CW617N
- Ball: Nickel and Chromium plated
- Finishing: Sandblast
- Seat: NBR Rubber
- Handle: Red ABS

Field of applications

- Max. temperature: 80 °C
- Max. working pressure: 10 bar

- Petrochemical industry
- Irrigation systems
- Mining and infrastructure industries
- Shipyard industry
- Compressed air
- Low-pressure steam plants
- Mechanical industry
- Hot and cold water plants
- Air conditioning systems

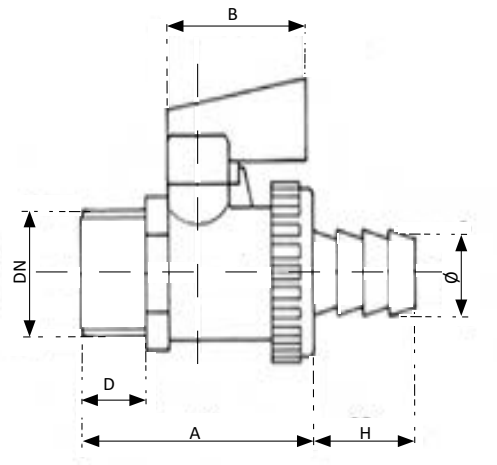
Description

FIVC Drain Cock is designed as a ball valve in Brass to drain off the liquid in the pipe. Since the ball valve is a valve of interception and not of regulation, it must be either opened or closed completely. Please note, the pressure and temperature rates stated above are only valid for non-dangerous liquids and liquids that are non-aggressive to the copper alloys including Bronze and Brass.

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



Product Information

Product code	Size *(DN)*	A*	B*	H*	D*	Ø*	Kg
FBA015B10D	15	50	30	23	14	14	0.18

**Dimensions are in millimeters*

Product Specification

N°	Name	Material
1	Body	Brass CW617N UNI EN 12165
2	Stem	Brass CW614N UNI EN 12164
3	Cap	Brass CW617N UNI EN 12165
4	Nut	Brass CW617N UNI EN 12165
5	Ball	Brass CW614N UNI EN 12164. *Nickel and Chromium plated by diamond-tipped tool*
6	Hose union	Brass CW614N UNI EN 12164
7	Handle	ABS in red
8	O-Ring	NBR Rubber
9	Finishing	Sandblast

FIVC Hose Bibcock *with lock*

Bronze – PN 16 – Inlet R1/2" - R3/4" - Outlet G3/4"



FBA series

Technical data

Main features and materials

- Body: Bronze
- Bonnet Brass
- Stem: Brass
- Handle: Brass
- Sleeve: Brass
- Packing: PTFE
- Standard: EN 1213 (BS1010)
- USP: With lock device
  Easy changeable

Field of applications

- Temperature range: 0 to 85 °C
- Max. working pressure: 16 bar (0-30 °C)
  10 bar (31-85 °C)

- Hot and cold water plants
- Air conditioning systems

Description

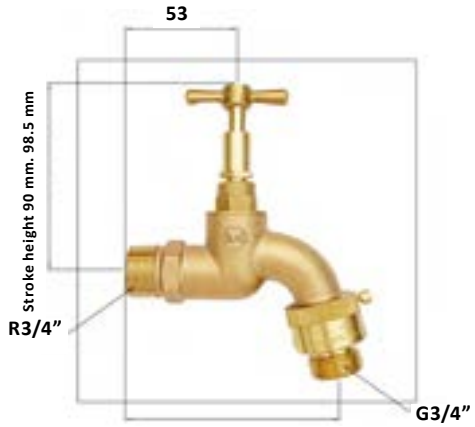
FIVC Hose Bib is designed as a threaded tap to be installed for isolation purposes. Benefits of using the hose bibcock are the easy control of the flow and lock type function. Furthermore, it is supplied with a 3/4" vacuum breaker for backflow prevention. The valve can be used for Water and Non-corrosive Liquid.

Declaration

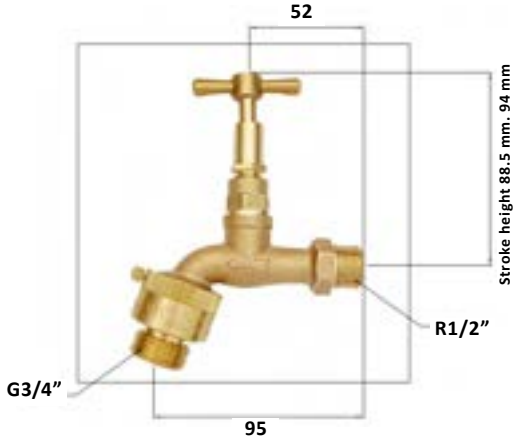
The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions

FBA020O16BC61



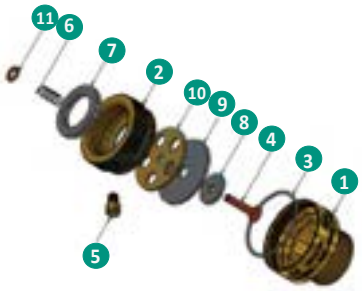
FBA015O16BC61



Product Information

N°	Name	Material
	Valve Body	Bronze
	Valve Bonnet	Brass
	Valve Handle	Brass
	Stem Assembly	Brass
	Sleeve	Brass
	Packing on Stem	PTFE
	Washer	EPDM

Product Specification



N°	Name	Material
1	Body	CZ132
2	Connector	CZ132
3	O-ring	EPDM
4	Stem	Copper
5	Locking Screw	Brass
6	Spring	Stainless Steel SS304
7	Washer	EPDM
8	Washer	EPDM
9	Washer	EPDM
10	Locking Plate	H62/ Stainless Steel SS304
11	Reducing Plate	CopperW

FIVC Drain Tap

DZR Brass – PN 16 – Threaded – ISO 228



FDT series

Technical data

Main features and materials

- Body: DZR Brass CW602N
- Stem: DZR Brass CW602N
- Disc: DZR Brass CW602N
- Nut: Brass
- O-Ring: NBR

Field of applications

- Max. temperature: 120 °C
- Max. working pressure: 16 bar

- Hot and cold water
- HVAC
- Neutral fluids
- Wastewater

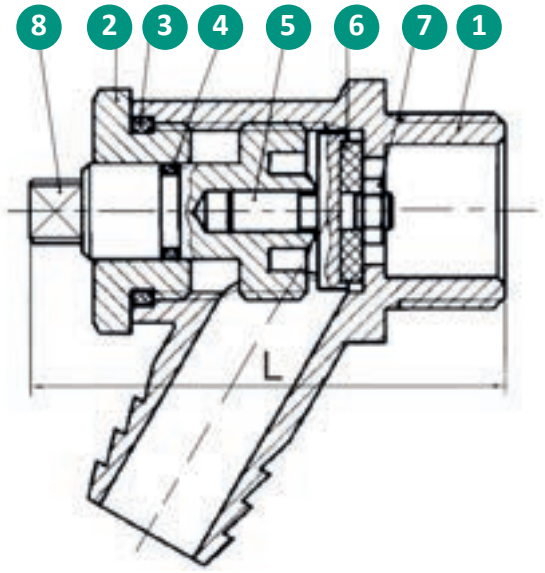
Description

FIVC Drain Tap is designed in Brass to drain off the liquid in the pipe. The drain tap is not a valve of regulation and must be either opened or closed completely. Please note, the valve is for non-dangerous liquids and liquids that are non-aggressive to the copper alloy - Brass.

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



Product code	Size *(DN)*	L	Kg
FDT015D1621	15	56	-
FDT020D1621	20	64	-
FDT025D1621	25	89	-

Dimensions are in millimeters

Product Specification

N°	Name	Material
1	Body	DZR Brass CW602N
2	Bonnet	DZR Brass CW602N
3	O-RIng	NBR
4	O-Ring	NBR
5	Disc	DZR Brass CW602N
6	Gasket	NBR
7	Nut	Brass
8	Stem	DZR Brass CW602N

FLEXIBLE CONNECTORS



Feature	Absorbs movements caused by thermal expansion, contraction, or vibrations. Acting as a buffer, dampening the effects of vibrations, and minimizing the transmission of noise, preventing equipment damage, structural issues, or excessive noise levels.
Corrosion resistance	Of long-lasting materials to withstand harsh environmental conditions.
Green responsibility	Maintains efficient fluid transfer, optimizing energy usage and reduce overall energy consumption contributing to sustainability goals.
Regulatory compliance	Preventing disruptions, upholds workplace safety standards, and maintains system integrity, operational efficiency, and productivity.
Low maintenance	Requires minimal upkeep due to its robust design and quality materials, reducing downtime and lifecycle costs.



- System protection
- Sound absorption
- Noice and vibration reduction
- Managing thermal energy and shock
- High mechanical strength
- Eliminates the effects of thermal expansion

Available as

Single sphere

Double Sphere

ISH 2025

FIVC Flexible Hose

EPDM – PN 30 – Stainless Steel Braiding – ISO 228



FFH series

Technical data

Main features and materials

- Body Inner hose: EPDM + Synthetic fibers
- Braiding: Stainless Steel
- Fittings: Brass CW617N
- Sleeves: Stainless Steel

Field of applications

- Temperature range: -15°C to 120°C
- Max. working pressure: 30 bar
- Burst pressure: DN 13-19: 138 bar
  DN 25: 110 bar

- Hot and cold water systems
- Chilled beam
- Fan coil units
- Heating systems and pumps

Description

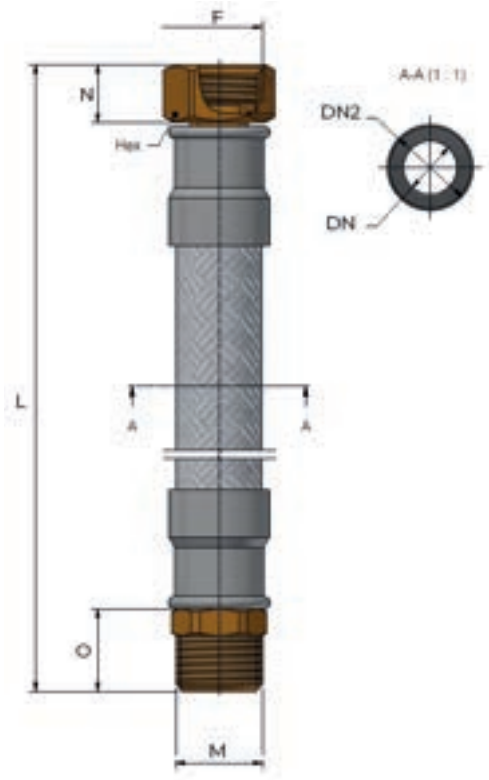
FIVC High-performance Flexible Hose is designed as an anti-vibration hose to resist at working pressures up to 500 Psi (34,5 BAR), for the connection between water supply networks, pumps, fan coils, cold beam systems, boilers, burners, steam plants etc., in which a medium-high pressure temperatures are required.
The FIVC Hoses equipped with Stainless Steel external coating and EPDM as internal liner, reinforced with synthetic fibers.

The hose features a high strength, ensuring less breaking and a high flexibility. Further, with the long lifespan that the EPDM provides, the selection of the EPDM body does lead to cost efficiency.
The FIVC Flexible Hose can be used for Water.

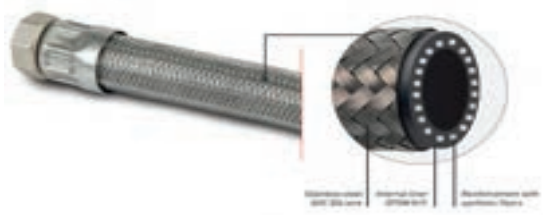
Insulation

FIVC provides solid insulation for its flexible hoses by request. Made by elastomer foamed plastic, the insulation prevents heat loss as well as frost formations. It does also prevent the condensation process, ensuring a safer and more reliable piping system. Thickness from 9-32 mm.

Dimensions



Product code	Size	DN2	F	M	L	Hex.	N	O
	DN		*ISO 228*		*mm*			
FFH013BBS30MF41300	13	20,9	G 1/2	G 1/2	300	24	14	20
FFH019BBS30MF41300	19	28,2	G 3/4	G 3/4	300	30	14	20
FFH025BBS30MF41300	25	35,2	G 1	G 1	300	37	17	22





DN13 (1/2") Ø13xØ21

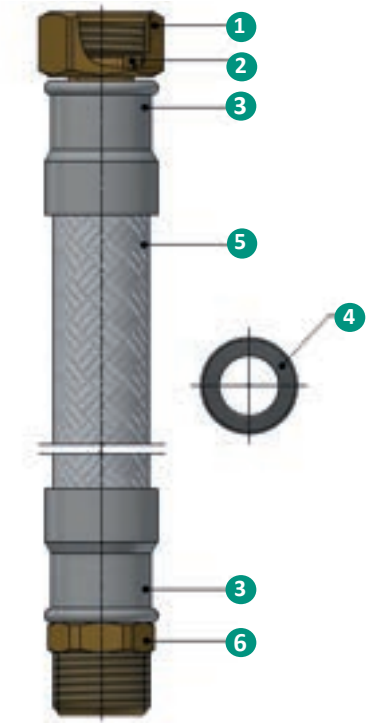


DN19 (3/4") Ø19xØ28



DN25 (1") Ø25xØ35

Product Specification



No.	Name	Material
1	Nut	Brass CW617N
2	Shank	Brass CW617N
3	Sleeves	Stainless Steel AISI 304
4	Internal liner	Reinforced EPDM
5	Braiding/Wire	Stainless Steel AISI 304
6	Fitting	Brass CW617N *Raw or Nickel-plated depending on availability*

FIVC Flexible Hose

EPDM – PN 6/10/15/30 – Stainless Steel Braiding



FFL/FFH series

Technical data

Main features and materials

- Body Inner hose: FFL: EPDM
  FFH: EPDM + Kevlar® or Rayon
- Braiding: Stainless Steel
- Fittings: Fp - Brass CW614N/CW617N and Steel
- Sleeves: Stainless and Aluminium
- Bending radius: FFL: 45-220 mm
  FFH: 90-130 mm

Field of applications

- Temperature range: FFL: -5 to 70 °C *(peaks allowed up to 110 °C)*
  FFH: -5 to 90 °C
- Max. working pressure: FFL: 15-6 bar
  FFH: 30-20 bar

- Water networks
- Boilers
- Purifications plants
- Pumps
- Surge tanks

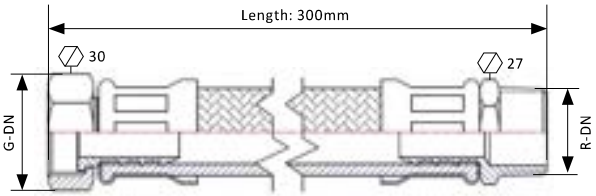
Description

FIVC Flexible Hose is designed as an anti-vibration hose for the connection between water supply networks, boilers, burners, steam plants etc., in which high pressure and high temperatures are required.
The FIVC Flexible Hose is constructed with EPDM body, hence the hose features a high strength, ensuring less breaking and a high flexibility. Further, with the long lifespan that the EPDM provides, the selection of the EPDM body does lead to cost efficiency.
FIVC provides two different series including a Low-Pressure series (FFL) and a High-Pressure series (FFH) featuring different characteristics. While the FFL series does not have any reinforcement of interwoven wires in the chemical compound, the FFH series is reinforced with Kevlar® and Rayon.
The FIVC Flexible Hose can be used for Water.

Insulation

FIVC provides solid insulation for its flexible hoses by request. Made by elastomer foamed plastic, the insulation prevents heat loss as well as frost formations. It does also prevent the condensation process, ensuring a safer and more reliable piping system. Thickness from 9-32 mm.

Dimensions







Product code		Size					PN	P*	CC*
		Hose		Braiding	Bending radius	Passage hole			
		DN	Inch						
FFL (Low pressure series)	FFL013BBS15MF01300	13	1/2	19	45	10	15	20	-
	FFL019BBS15MF01300	19	3/4	27	75	15	15	10	-
	FFL025BBS15MF01300	25	1	34	90	20	15	5	-
	FFL032BBA10MF01300	32	1 1/4	41	120	26	10	1	-
	FFL040BBA10MF01300	40	1 1/2	52	150	33	10	1	-
	FFL050JJA6MF01300	50	2	64	180	44	6	1	-
FFH (High pressure series)	FFH013BBS30MF01300	13	1/2	19	90	10	30	20	Kevlar®
	FFH019BBS30MF01300	19	3/4	27	90	15	30	10	
	FFH025BBS30MF01300	25	1	34	110	20	30	5	
	FFH032BBS25MF01300	32	1 1/4	42	130	26	25	-	Rayon
	FFH040JBS20MF01300	40	1 1/2	52	150	32	20	-	
	FFH050JBS20MF01300	50	2	62	180	41	20	-	

**Dimensions are in millimeters • CC: Chemical composition (reinforcement)*
• Packaging (pcs. per bundle)

Connections

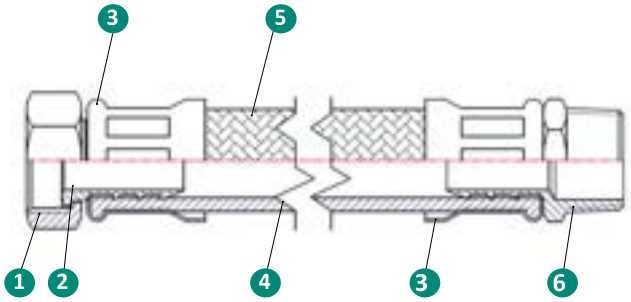
Identification code*	Size (DN)					
FP Suitable for FFl and FFH	13	19	25	32	40	50
Fc Suitable for FFl only	13		19		25	
Mc Suitable for FFl and FFH	13	19	25	32	40	50
M NPT Suitable for FFl and FFH	13	19	25	32	40	50
CF Suitable for FFl only	13		19		25	
TL Suitable for FFl only	15		22		28	

**Fp: Female fitting, cylindrical ISO-G, flat sealing surface*
Fc = Female fitting, cylindrical ISO-G, conical sealing surface
Mc: Male fitting, conical ISO-R thread
M NPT: Male fitting, conical NPT thread
CF: Elbow female fitting, cylindrical ISO-G, flat sealing surface
TL: Smooth fitting

FIVC Flexible Hose

EPDM – PN 6/10/15/30 – Stainless Steel Braiding

Product Specification



No.	Name	Material	
		FFL *Low pressure series*	**FFH** *High pressure series*
1	Nut	DN 13-32: Brass CW614N DN 40-50: Steel	DN 13-32: Brass CW614N DN 40-50: Steel
2	Shank	Brass CW614N	Brass CW614N
3	Sleeves	DN 13-25: Stainless Steel/ Aluminium DN 32-50: Aluminium	Stainless Steel
4	Inner hose	EPDM rubber	EPDM rubber Reinforced with: DN 13-25: Kevlar® DN 32-50: Rayon
5	Braiding/ Wire	Stainless Steel AISI 304	Stainless Steel AISI 304
6	Male fitting	DN 13-40: Brass CW614N DN 50: Steel	Brass CW614N

FIVC Expansion Joint

EPDM – PN 25 – Double Sphere – BSPP



FFC 02 series

Technical data

Main features and materials

- Rubber: EPDM
- Steel Wire: Carbon Steel
- Reinforcing Cord: Synthetic Fiber
- Union coupling: Ductile Iron/Malleable Iron
- USP: Efficient in noise reduction due to effective multi-sphere structure incl. the vibration ansorption. Suitable for a wide of high and low temperature applications.

Field of applications

- Max. temperature: -15 to 115 °C
- Max. working pressure: 25 bar
- Max. bursting pressure: 60 bar
- Vacuum rating: 750 mmHg

- Industrial Technologies
- Hot and cold water plants
- Heat and refrigerating, enginee ring and air-conditioning

Description

FIVC Expansion Joint with double sphere union is designed to be installed into pipelines for the purpose to avoid damage caused by stretching, compressing, deflecting, or displacing of pipes. The FIVC Expansion Joint is designed with multi-sphere structure that leads to better vibration absorption and a noteworthy efficient noise reduction. It ensures a high working pressure as well as anti-burst and good elasticity.

FIVC Expansion Joint is suitable for a wide range of applications depending on the requested rubber material. With an EPDM rubber, the product is suitable for hot water, steam, oxidant, animal, and vegetable oils. The EPDM rubber has excellent resistance to sunlight and is good for high and low temperature applications.

With NBR rubber, the product is suitable for most hydrocarbons, oils, petroleum fuels, and hydraulic fluids. However, NBR rubber is not suitable for sunlight, ozone, and flame.

Neoprene rubber is suitable for water, sewage, oxidant, and non-aromatic hydrocarbons. It has good resistanse for oil and weathering.

Alternative Product Versions

Other standards

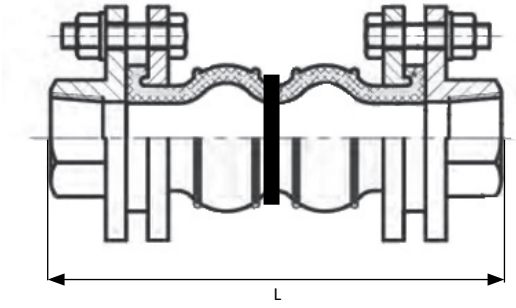
Rubber in NBR or Neoprene

Temperature range: NBR -15 to 90 °C or Neoprene -15 to 90 °C

Declaration

This product has been manufactured and tested in accordance with the GB/T 26121-2010 standard which is equivalent to CE certificate No. 10.07.11067.

Dimensions



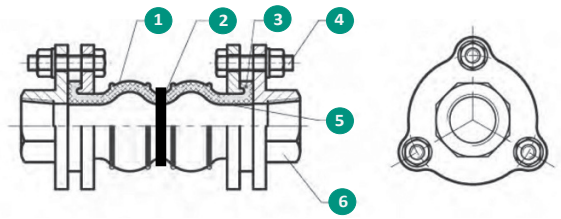
Product code	Size	L	Kg
FFC015M25EPDM02	15		1.2
FFC020M25EPDM02	20	180	1.2
FFC025M25EPDM02	25	180	1.5
FFC032M25EPDM02	32	200	1.9
FFC040M25EPDM02	40	210	2.8
FFC050M25EPDM02	50	220	3.3

Dimensions are in millimeters

FIVC Expansion Joint

EPDM – PN 25 – Double Sphere – BSPP

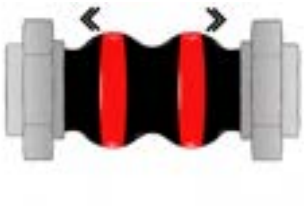
Product Specification



N°	Name	Material
1	Outer Rubber	Rubber
2	Reinforcing Cord	Synthetic Fiber
3	Steel Wire	Carbon Steel
4	Bolt	Steel
5	Inner Rubber	Rubber
6	Union	Ductile Iron (DN 15-25) Malleable Iron (DN 32-50)

Control Cables are sold seperately

Expansion Joint Movements



Axial Elongation



Axial Compression



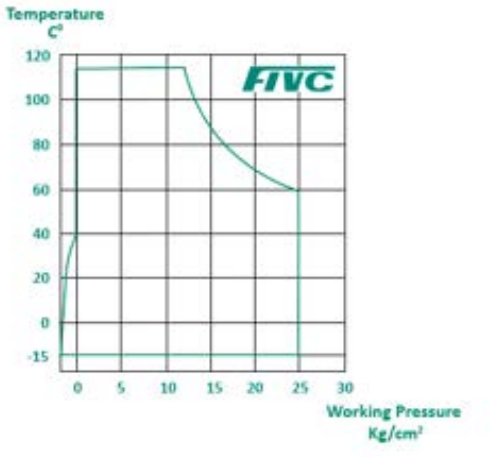
Lateral movement



Angular movement

Product code	Size	AE	AC	LM	AM
FFC015M25EPDM02	15	10	15	15	30°
FFC020M25EPDM02	20	10	15	15	30°
FFC025M25EPDM02	25	10	15	15	30°
FFC032M25EPDM02	32	10	15	15	20°
FFC040M25EPDM02	40	10	15	15	20°
FFC050M25EPDM02	50	10	15	15	20°

Dimensions are in millimeters • AC: Axial Compression • AE: Axial Elongation • LM: Lateral Movement • AM: Angular Movement (Celcius)



FIVC Expansion Joint

EPDM – PN 16 – Double Sphere Union – BSPP



FFC 02 series

Technical data

Main features and materials

- Rubber: EPDM
- Steel Wire: Carbon Steel
- Reinforcing Cord: Synthetic Fiber
- Union coupling: Ductile Iron/Malleable Iron
- USP: Efficient in noise reduction due to effective multi-sphere structure incl. the vibration ansorption. Suitable for a wide of high and low temperature applications.

Field of applications

- Max. temperature: -15 to 115 °C
- Max. working pressure: 16 bar
- Max. bursting pressure: 48 bar
- Vacuum rating: 750 mmHg

- Industrial Technologies
- Hot and cold water plants
- Heat and refrigerating, engineering and air-conditioning

Description

FIVC Expansion Joint with double sphere union is designed to be installed into pipelines for the purpose to avoid damage caused by stretching, compressing, deflecting, or displacing of pipes. The FIVC Expansion Joint is designed with multi-sphere structure that leads to better vibration absorption and a noteworthy efficient noise reduction. It ensures a high working pressure as well as anti-burst and good elasticity.

FIVC Expansion Joint is suitable for a wide range of applications depending on the requested rubber material. With an EPDM rubber, the product is suitable for hot water, steam, oxidant, animal, and vegetable oils. The EPDM rubber has excellent resistance to sunlight and is good for high and low temperature applications.

With NBR rubber, the product is suitable for most hydrocarbons, oils, petroleum fuels, and hydraulic fluids. However, NBR rubber is not suitable for sunlight, ozone, and flame.

Neoprene rubber is suitable for water, sewage, oxidant, and non-aromatic hydrocarbons. It has good resistanse for oil and weathering.

Alternative Product Versions

Other standards

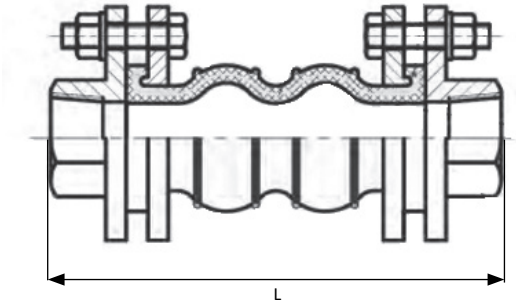
Rubber in NBR or Neoprene

Temperature range: NBR -10 to 82 °C or Neoprene -10 to 110 °C

Declaration

This product has been manufactured and tested in accordance with the GB/T 26121-2010 standard which is equivalent to CE certificate No. 10.07.11067.

Dimensions



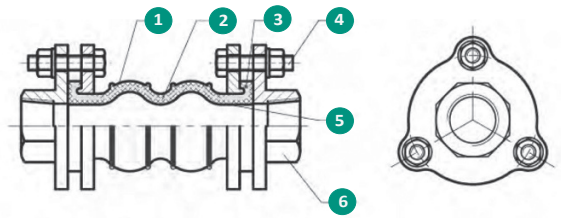
Product code	Size	L	Kg
FFC015N16EPDM02	15	180	1.0
FFC020N16EPDM02	20	180	1.0
FFC025N16EPDM02	25	180	1.3
FFC032N16EPDM02	32	245	1.7
FFC040N16EPDM02	40	245	2.5
FFC050N16EPDM02	50	255	3.0

Dimensions are in millimeters

FIVC Expansion Joint

EPDM – PN 16 – Double Sphere Union – BSPP

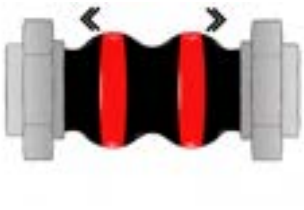
Product Specification



N°	Name	Material
1	Outer Rubber	Rubber
2	Reinforcing Cord	Synthetic Fiber
3	Steel Wire	Carbon Steel
4	Bolt	Steel
5	Inner Rubber	Rubber
6	Union	Ductile Iron (DN 15-25) Malleable Iron (DN 32-50)

Control Cables are sold seperately

Expansion Joint Movements



Axial Elongation



Axial Compression



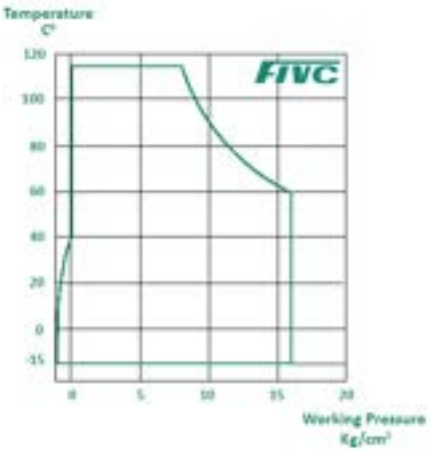
Lateral movement



Angular movement

Product code	Size	AC	AE	LM	AM
FFC015N16EPDM02	15	15	10	15	30°
FFC020N16EPDM02	20	15	10	15	30°
FFC025N16EPDM02	25	15	10	15	30°
FFC032N16EPDM02	32	15	10	15	20°
FFC040N16EPDM02	40	15	10	15	20°
FFC050N16EPDM02	50	15	10	15	20°

Dimensions are in millimeters • AC: Axial Compression • AE: Axial Elongation • LM: Lateral Movement • AM: Angular Movement (Celcius)



FIVC Expansion Joint

EPDM – PN 16 – Double Sphere Union – EN 1092-2



FFC 03 series

Technical data

Main features and materials

- Rubber: EPDM
- Carcass: Nylon Cord Fabric
- Wire: Carbon Steel
- Flange: Carbon Steel
- USP: Efficient in noise reduction due to effective multi-sphere structure incl. the vibration absorption. Suitable for a wide of high and low temperature applications.

Field of applications

- Temperature range: -15 to 115 °C
- Max. working pressure: 16 bar
- Max. bursting pressure: 48 kg/cm^2
- Vacuum rating: DN 32-300: 500 mmHg
  DN 350-600: 400 mmHg

- Industrial Technologies
- Hot and cold water plants
- Heat and refrigerating, engineering and air-conditioning

Description

FIVC Expansion Joint with double sphere union is designed to be installed into pipelines for the purpose to avoid damage caused by stretching, compressing, deflecting, or displacing of pipes. The FIVC Expansion Joint is designed with multi-sphere structure that leads to better vibration absorption and a noteworthy efficient noise reduction. It ensures a high working pressure as well as anti-burst and good elasticity.

FIVC Expansion Joint is suitable for a wide range of applications depending on the requested rubber material. With an EPDM rubber, the product is suitable for hot water, steam, oxidant, animal, and vegetable oils. The EPDM rubber has excellent resistance to sunlight and is good for high and low temperature applications.

With NBR rubber, the product is suitable for most hydrocarbons, oils, petroleum fuels, and hydraulic fluids. However, NBR rubber is not suitable for sunlight ageing, ozone and flame.

Neoprene rubber is suitable for water, sewage, oxidant, and non-aromatic hydrocarbons. It has good resistanse for oil and weathering.

Alternative Product Versions

Other standards

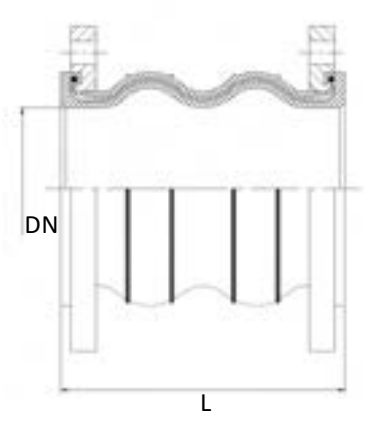
Rubber in NBR/Neoprene

Temperature range: NBR -10 to 82 °C or *Neoprene -10 to 110 °C*

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014.

Dimensions



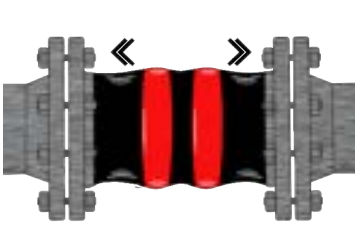
Product code	Size (DN)	L	PG	Kg
FFC032W16EPDM03	32	175	170-180	-
FFC040W16EPDM03	40	175	170-180	-
FFC050W16EPDM03	50	175	170-180	-
FFC065W16EPDM03	65	175	170-180	-
FFC080W16EPDM03	80	175	170-180	-
FFC100W16EPDM03	100	225	220-230	-
FFC125W16EPDM03	125	225	220-230	-
FFC150W16EPDM03	150	225	220-230	-
FFC200W16EPDM03	200	325	320-330	-
FFC250W16EPDM03	250	325	320-330	-
FFC300W16EPDM03	300	325	320-330	-
FFC350W16EPDM03	350	345	340-350	-
FFC400W16EPDM03	400	345	340-350	-
FFC450W16EPDM03	450	345	340-350	-
FFC500W16EPDM03	500	345	340-350	-
FFC600W16EPDM03	600	345	340-350	-

Dimensions are in millimeters • PG: Pre-Gab between the two pipe flanges

FIVC Expansion Joint

EPDM – PN 16 – Double Sphere Union – EN 1092-2

Expansion Joint Movements



Axial Elongation, the dimensional increase of the expansion joint in its longitudinal axis.



Axial Compression, the dimensional reduction of the expansion joint in its longitudinal axis.



Lateral movement, the lateral displacement of the two ends of the expansion joint in a direction perpendicular to its longitudinal axis.

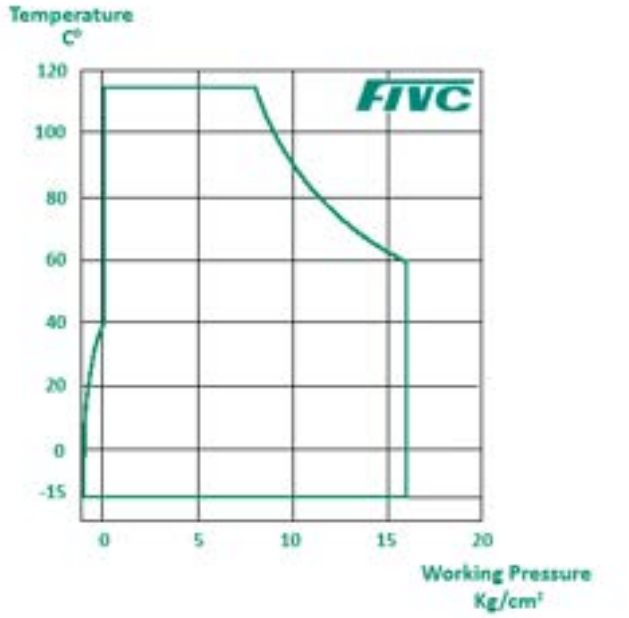


Angular movement, the expanson joint moves in an angular rotation.

Product code	Size (DN)	AC	AE	LM	AM)
FFC032W16EPDM03	32	30	20	45	30°
FFC040W16EPDM03	40	30	20	45	30°
FFC050W16EPDM03	50	30	20	45	30°
FFC065W16EPDM03	65	50	25	45	30°
FFC080W16EPDM03	80	50	25	45	30°
FFC100W16EPDM03	100	50	35	35	30°
FFC125W16EPDM03	125	50	35	35	30°
FFC150W16EPDM03	150	50	35	35	30°
FFC200W16EPDM03	200	50	35	30	30°
FFC250W16EPDM03	250	50	35	30	30°
FFC300W16EPDM03	300	50	35	30	20°
FFC350W16EPDM03	350	40	25	28	10°
FFC400W16EPDM03	400	40	25	28	10°
FFC450W16EPDM03	450	40	25	28	10°
FFC500W16EPDM03	500	40	25	28	10°
FFC600W16EPDM03	600	40	25	28	10°

• AC: Axial Compression • AE: Axial Elongation
•LM: Lateral Movement • AM: Angular Movement (Celcius)

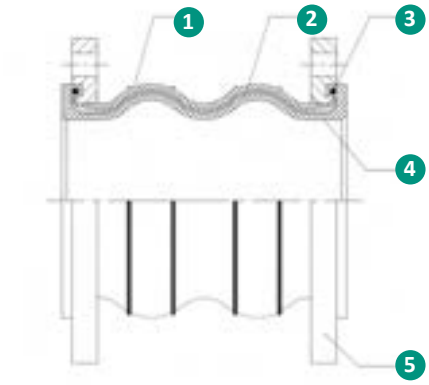
Temperature and Pressure Ratings



FIVC Expansion Joint

EPDM – PN 16 – Double Sphere Union – EN 1092-2

Product Specification



N°	Name	Material
1	Rubber	EPDM
2	Carcass	Nylon Cord Fabric
3	Wire	Carbon Steel
4	Flange	Carbon Steel

FIVC Expansion Joint

EPDM – PN 16/10 – Single Sphere – EN 1092-2



FFC 01 series

Technical data

Main features and materials

- Rubber: EPDM
- Carcass: Nylon Cord Fabric
- Reinforcing wire: Carbon Steel
- Flange: Carbon Steel
- Test standard: As per manufacturer standard
- USP: Efficient in noise reduction due to effective multi-sphere structure incl. the vibration absorption. Suitable for a wide of high and low temperature applications.

Field of applications

- Temperature range: -15 to 115 °C
- Max. working pressure: DN 32-900: 16 bar
  DN 1000 and above: 10 bar
- Max. bursting pressure: 48 bar
- Vacuum rating: DN 32-300: 500 mmHg
  DN 350-1200: 400 mmHg

- HVAC
- CHW
- Irrigation
- Cooling and Heating

Description

FIVC Expansion Joint with single sphere union is designed to be installed into pipelines for the purpose to avoid damage caused by stretching, compressing, deflecting, or displacing of pipes. The FIVC Expansion Joint ensures good vibration absorption and an efficient noise reduction. It ensures a high working pressure as well as anti-burst and good elasticity.

FIVC Expansion Joint is suitable for a wide range of applications depending on the requested rubber material. With an EPDM rubber, the product is suitable for hot water, steam, oxidant, animal, and vegetable oils. The EPDM rubber has excellent resistance to sunlight and is good for high and low temperature applications.

With NBR rubber, the product is suitable for most hydrocarbons, oils, petroleum fuels, and hydraulic fluids. However, NBR rubber is not suitable for sunlight ageing, ozone and flame.

Neoprene rubber is suitable for water, sewage, oxidant, and non-aromatic hydrocarbons. It has good resistanse for oil and weathering.

Alternative Product Versions

Other standards

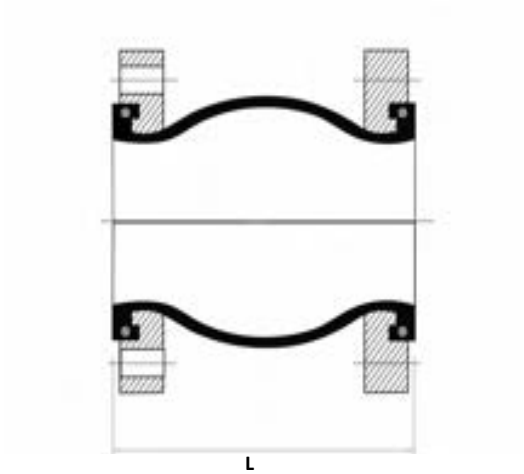
Rubber in NBR/Neoprene

Temperature range: NBR -15 to 90 °C or Neoprene -15 to 90 °C

Declaration

The product has been manufactured and tested in accordance with the European PED Directive Nº 2014/68/EU, dated 15/05/2014 and is CE marked.

Dimensions



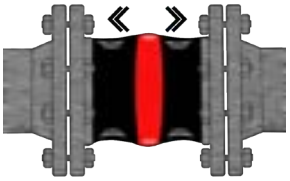
Product code	Size	L	Kg
FFC032W16EPDM01	32	95	2.8
FFC040W16EPDM01	40	95	3
FFC050W16EPDM01	50	105	4
FFC065W16EPDM01	65	115	5.5
FFC080W16EPDM01	80	130	6.4
FFC100W16EPDM01	100	135	7.5
FFC125W16EPDM01	125	170	10
FFC150W16EPDM01	150	180	13.5
FFC200W16EPDM01	200	205	16
FFC250W16EPDM01	250	240	24
FFC300W16EPDM01	300	260	28.4
FFC350W16EPDM01	350	265	37.5
FFC400W16EPDM01	400	265	50
FFC450W16EPDM01	450	265	57
FFC500W16EPDM01	500	265	67
FFC600W16EPDM01	600	265	87
FFC700W16EPDM01	700	265	-
FFC800W16EPDM01	800	265	-
FFC900W16EPDM01	900	265	-
FFC1000W10EPDM01	1000	260	-
FFC1100W10EPDM01	1100	260	-
FFC1200W10EPDM01	1200	260	-

Dimensions are in millimeters

FIVC Expansion Joint

EPDM – PN 16/10 – Single Sphere – EN 1092-2

Expansion Joint Movements



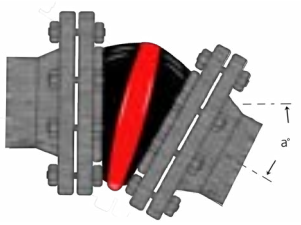
Axial Elongation, the dimensional increase of the expansion joint in its longitudinal axis.



Axial Compression, the dimensional reduction of the expansion joint in its longitudinal axis.



Lateral movement, the lateral displacement of the two ends of the expansion joint in a direction perpendicular to its longitudinal axis.

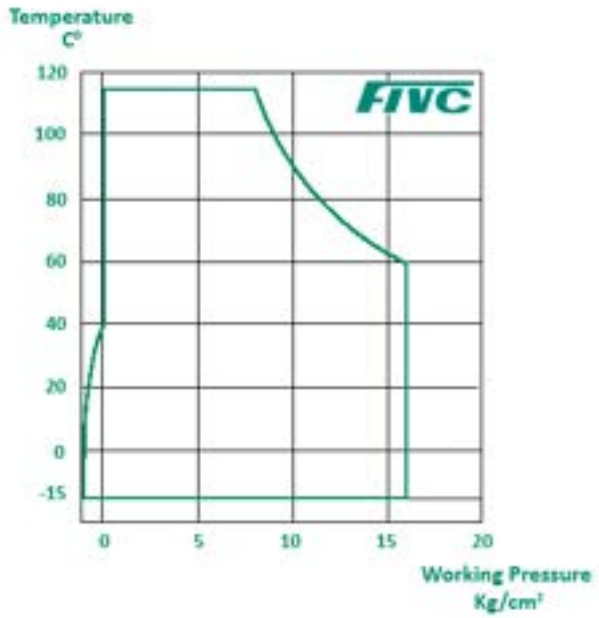


Angular movement, the expanson joint moves in an angular rotation.

Product code	Size	AE	AC	LM	AM
FFC032W16EPDM01	32	6	10	9	15°
FFC040W16EPDM01	40	6	10	9	15°
FFC050W16EPDM01	50	7	10	10	15°
FFC065W16EPDM01	65	8	13	12	15°
FFC080W16EPDM01	80	8	15	12	15°
FFC100W16EPDM01	100	8	15	12	15°
FFC125W16EPDM01	125	12	19	15	15°
FFC150W16EPDM01	150	12	20	15	10°
FFC200W16EPDM01	200	12	20	22	10°
FFC250W16EPDM01	250	16	28	22	10°
FFC300W16EPDM01	300	16	28	25	10°
FFC350W16EPDM01	350	16	28	25	10°
FFC400W16EPDM01	400	16	28	25	10°
FFC450W16EPDM01	450	16	28	25	10°
FFC500W16EPDM01	500	16	28	25	10°
FFC600W16EPDM01	600	16	28	25	10°
FFC700W16EPDM01	700	16	28	25	10°
FFC800W16EPDM01	800	16	28	25	10°
FFC900W16EPDM01	900	16	28	25	10°
FFC1000W10EPDM01	1000	16	28	25	10°
FFC1100W10EPDM01	1100	16	28	25	10°
FFC1200W10EPDM01	1200	16	28	25	10°

• AE: Axial Elongation• AC: Axial Compression •LM: Lateral Movement
• AM: Angular Movement

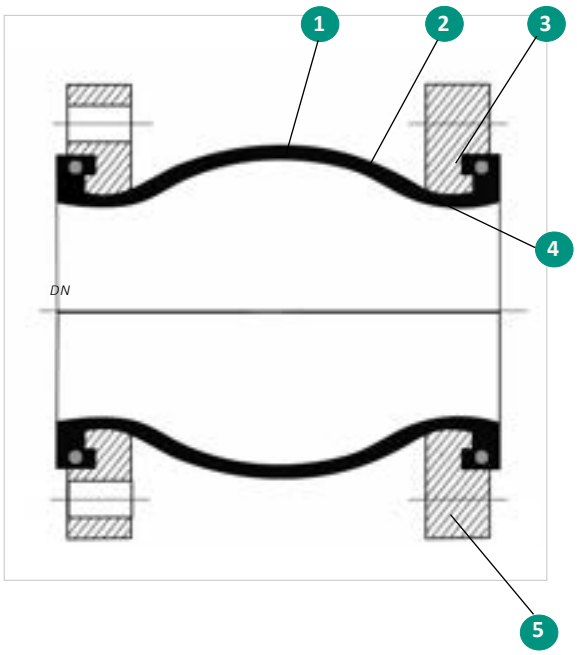
Temperature and Pressure Ratings



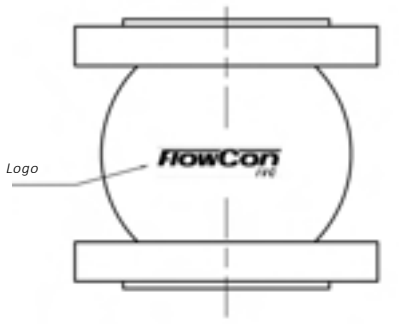
FIVC Expansion Joint

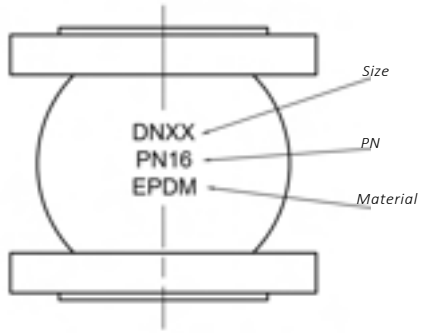
EPDM – PN 16/10 – Single Sphere – EN 1092-2

Product Specification



N°	Name	Material
1	Outer Rubber	Rubber
2	Reinforcing Cord	Synthetic Fiber
3	Steel wire	Carbon Steel
4	Inner Rubber	Rubber
5	Flange	Carbon Steel





FIVC Expansion Joint

EPDM – PN 25 – Single Sphere – EN 1092-2



FFC 01 series

Technical data

Main features and materials

• Rubber:	EPDM
• Carcass:	Nylon Cord Fabric
• Reinforcing wire:	Carbon Steel
• Flange:	Carbon Steel
• Test standard:	As per manufacturer standard
• USP:	Efficient in noise reduction due to effective multi-sphere structure incl. the vibration absorption. Suitable for a wide of high and low temperature applications.

Field of applications

• Temperature range:	-15 to 115 °C
• Max. working pressure:	25 bar
• Max. bursting pressure:	60 bar
• Vacuum rating:	750 mmHg

- Industrial Technologies
- Hot and cold water plants
- Heat and refrigerating, enginee ring and air-conditioning

Description

FIVC Expansion Joint with single sphere union is designed to be installed into pipelines for the purpose to avoid damage caused by stretching, compressing, deflecting, or displacing of pipes. The FIVC Expansion Joint ensures good vibration absorption and an efficient noise reduction. It ensures a high working pressure as well as anti-burst and good elasticity.

FIVC Expansion Joint is suitable for a wide range of applications depending on the requested rubber material. With an EPDM rubber, the product is suitable for hot water, steam, oxidant, animal, and vegetable oils. The EPDM rubber has excellent resistance to sunlight and is good for high and low temperature applications.

With NBR rubber, the product is suitable for most hydrocarbons, oils, petroleum fuels, and hydraulic fluids. However, NBR rubber is not suitable for sunlight ageing, ozone and flame.

Neoprene rubber is suitable for water, sewage, oxidant, and non-aromatic hydrocarbons. It has good resistanse for oil and weathering.

Alternative Product Versions

Other standards

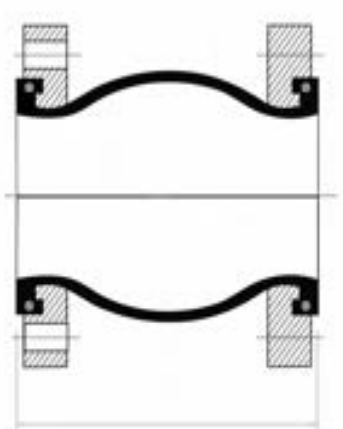
Rubber in NBR/Neoprene

Temperature range: NBR -15 to 90 °C or Neoprene -15 to 90 °C

Declaration

The product has been manufactured and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Dimensions



L

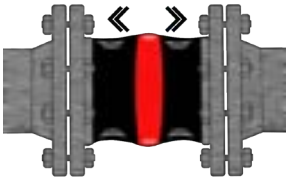
Product code	Size	L	Kg
FFC032W25EPDM01	32	95	3.1
FFC040W25EPDM01	40	95	3.5
FFC050W25EPDM01	50	105	4.6
FFC065W25EPDM01	65	115	5.6
FFC080W25EPDM01	80	130	6.4
FFC100W25EPDM01	100	135	8.9
FFC125W25EPDM01	125	170	10.7
FFC150W25EPDM01	150	180	15.0
FFC200W25EPDM01	200	205	20.0
FFC250W25EPDM01	250	240	29.8
FFC300W25EPDM01	300	260	38.2

Dimensions are in millimeters

FIVC Expansion Joint

EPDM – PN 25 – Single Sphere – EN 1092-2

Expansion Joint Movements



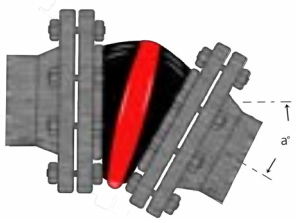
Axial Elongation, the dimensional increase of the expansion joint in its longitudinal axis.



Axial Compression, the dimensional reduction of the expansion joint in its longitudinal axis.



Lateral movement, the lateral displacement of the two ends of the expansion joint in a direction perpendicular to its longitudinal axis.

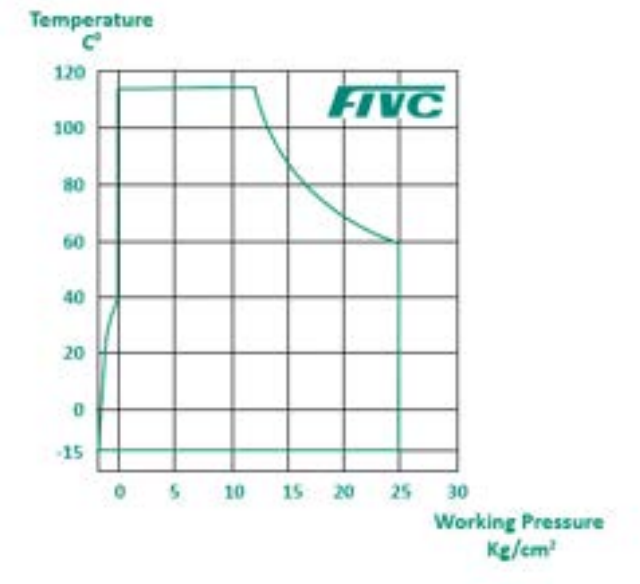


Angular movement, the expanson joint moves in an angular rotation.

Product code	Size	AE	AC	LM	AM
FFC032W25EPDM01	32	6	10	9	15°
FFC040W25EPDM01	40	6	10	9	15°
FFC050W25EPDM01	50	7	10	10	15°
FFC065W25EPDM01	65	8	13	12	15°
FFC080W25EPDM01	80	8	15	12	15°
FFC100W25EPDM01	100	8	15	12	15°
FFC125W25EPDM01	125	12	19	15	15°
FFC150W25EPDM01	150	12	20	15	10°
FFC200W25EPDM01	200	12	20	22	10°
FFC250W25EPDM01	250	16	28	22	10°
FFC300W25EPDM01	300	16	28	25	10°

• AE: Axial Elongation• AC: Axial Compression •LM: Lateral Movement
• AM: Angular Movement

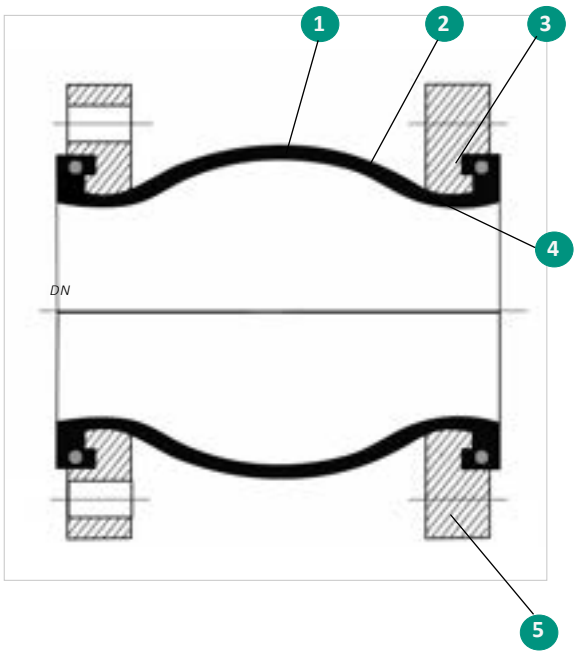
Temperature and Pressure Ratings



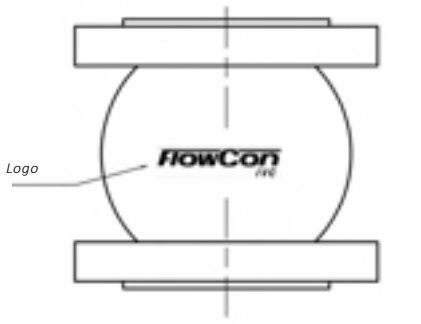
FIVC Expansion Joint

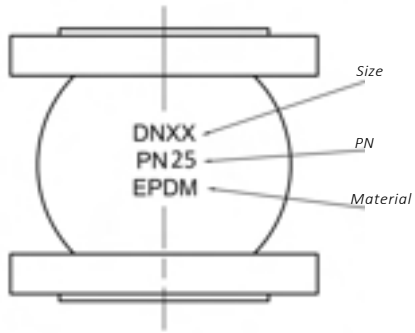
EPDM – PN 25 – Single Sphere – EN 1092-2

Product Specification



N°	Name	Material
1	Outer Rubber	Rubber
2	Reinforcing Cord	Synthetic Fiber
3	Steel wire	Carbon Steel
4	Inner Rubber	Rubber
5	Flange	Carbon Steel





SYPHONS

Feature	Efficient and safe fluid transfer through the power of gravity. Cools high-temperature media down by utilizing the cooling effect of the surrounding atmosphere. Removes condensate from steam lines in industrial applications.
Corrosion resistance	Resistant to corrosion and oxidation, suitable for high-temperature and corrosive fluid applications.
Green responsibility	Optimizes energy usage by reducing the need for additional heating or cooling equipment, thus lowering overall energy consumption and greenhouse gas emissions.
Safeguarding	Protects pressure instruments from extreme temperatures and guaranteeing stability in industrial flow.





- Efficient fluid transfer
- Vacuum effect
- Low maintenance
- Cost-effective

Available as

Trumpet

D-form

ISH 2025

FIVC D-Syphon

Carbon steel – 25 bar – Trumpet – ISO 228



FPGB series

Technical data

Main features and materials

- Body: Carbon Steel
- USP: Protects pressure measuring instruments from pulsations. Functions as a cooling element for media. Reliable and cost-effective
- Connection: Inlet and outlet as male thread.
- Design: DIN 16282

Field of applications

- Max. temperature: 400 °C
- Max. working pressure: 25 bar

- Water networks
- Boilers
- Burners
- Steam plants

Description

FIVC D-Syphon is designed as a trumpet form (D-form) type to be installed in applications for protecting measuring instruments from pulsations in the media.

The D-Syphon is mounted directly to the pressure connection (vertically) of the pressure measuring intrument or to the isolation valve mounted underneath.

Benefits of using the D-Syphon is its protection to the applicable instrumens from excessive heating as it functions as a cooling element for the flowing fluid, gasses, and vapours in the pressure instrument.

Alternative Product Versions

Other Standards

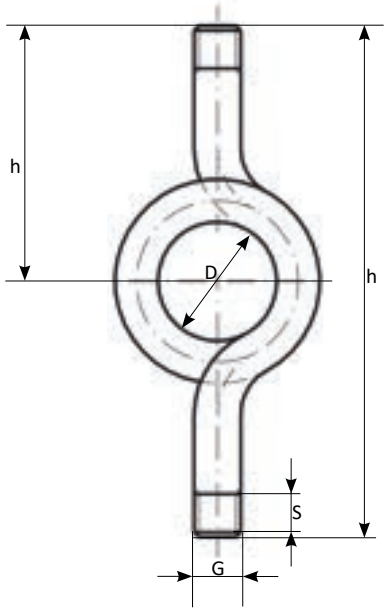
- Body in Stainless Steel 1.4571 to be used for oils and grease-free for oxygen service.
- Body in Monel
- Other connection threads

Other versions available upon request.

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive No 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



Product Information

Product code	Size (DN)	D*	h*	h1*	S*	Kg
FSTD015W25	15	56	230	115	20	-

**Dimensions are in millimeters*

FIVC U-Syphon

Carbon steel – 25 bar – Form B – ISO 228



FPGB series

Technical data

Main features and materials

- Body: Carbon Steel
- USP: Protects pressure measuring instruments from pulsations. Functions as a cooling element for media. Reliable and cost-effective
- Connection: Inlet and outlet as male thread.
- Design: DIN 16282

Field of applications

- Max. temperature: 400 °C
- Max. working pressure: 25 bar

- Water networks
- Boilers
- Burners
- Steam plants

Description

FIVC U-Syphon is designed as a B-form type to be installed in applications for protecting measuring instruments from pulsations in the media.

The U-Syphon is mounted directly to the pressure connection of the pressure measuring intrument or to the isolation valve mounted underneath.

Benefits of using the U-Syphon is its protection to the applicable instrumens from excessive heating as it functions as a cooling element for the flowing fluid, gasses, and vapours in the pressure instrument.

Alternative Product Versions

Other Standards

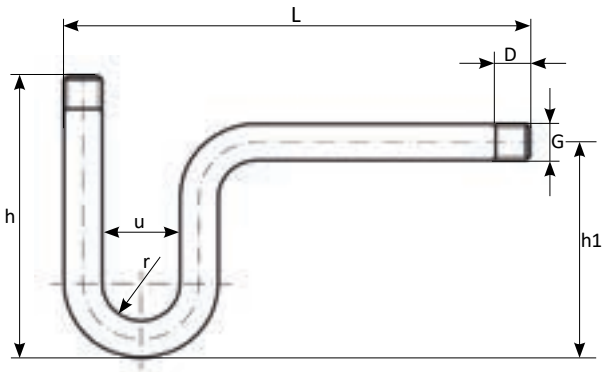
- Body in Stainless Steel 1.4571 to be used for oils and grease-free for oxygen service.
- Body in Monel
- Other connection threads

Other versions available upon request.

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive No 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



Product Information

Product code	Size (DN)	h	h1	L	u	S	Kg
FSUB015W25	15	170	130	225	56	20	-

**Dimensions are in millimeters*

THERMOMETERS



Feature	Precision temperature monitoring for tracking fluctuations within pipelines and systems, contributing to effective pressure control strategies.
Quick and Accurate Readings	Delivers timely, precise readings, enabling informed decisions, enhancing system reliability and safety, and preventing disruptions.
Safeguarding	Improves safety and supports preventive maintenance, reducing risks of system failure.
Green responsibility	Identifies potential issues early, lowering replacement costs and contributing to sustainability goals.
Preventive Maintenance	Engineered for durability and minimal upkeep, ensuring reduced downtime and operational efficiency.



- Quick and accurate readings
- System protection
- Proper system operation and energy efficiency
- Helps identify potential system problems
- Reliable and durable

Available as

V-line industrial

Bimetal type

ISH 2025

FIVC Bimetal Thermometer

Plactic and Copper Alloy – 0-120 C° – Thermowell ISO 228 – Bimetal – EN 13190



FPG series

Technical data

Main features and materials

• Case:	Aluminium
• Stem:	Aluminium
• Process connection:	Thermowell in Copper Alloy
• Thermowell:	ISO 228 in DN 15. Different lengths. Removable, friction fit
• Pointer:	Plastic
• Dial:	Plastic w/Pointer
• Window:	Plastic Nominal size for DN 63: PS Nominal size for DN 80, 100: SAN
• Connection location:	Back mount, centre
• Working scale:	Full scale value
• Accuracy class:	Indication accuraccy class 2 EN 13190
• USP:	Reliable and cost-effective Nominal size: 63, 80, and 100 Thermowell included
• Zero adjustment:	At bottom of the stem

Field of applications

• Temperature range:	0 to 120 °C
• Max. working pressure:	6 bar

- Heating systems
- Hot water tanks
- Solar connectors
- Heat transfer stations

Description

FIVC Bimetal Thermometer is designed as a bimetal type device to be installed in applications for temperature-measurement purposes. The device is delivered with a thermowell that can operate with an operating pressure of up to 6 bar.

Benefits of using the thermometer include its quick and accurate readings of the temperature in the application. Furthermore, the device is manufactured to tolerance class 2 in accordance with EN 13190 and thus offers the required indication accuracy for hearing tecknology.

Besides, the thermometer is simple and easy to be installed and has a modular design enabling a multitude of combinations of case materials, nominal sizes, scale ranges and stem lengths.

Alternative Product Versions

Other Standards

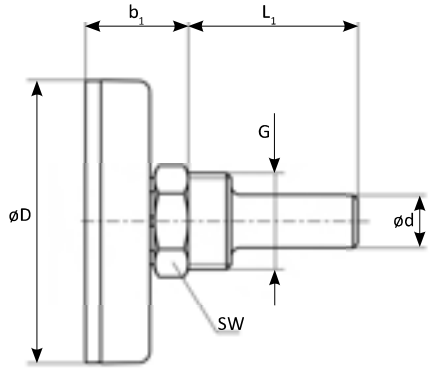
- Removable Brass thermowell with retainer screw
- Other scale range
- Case in Steel (galvanized) or Aluminium
- Slip-on bezel, nickelplated

Other versions available upon request.

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



Product Information

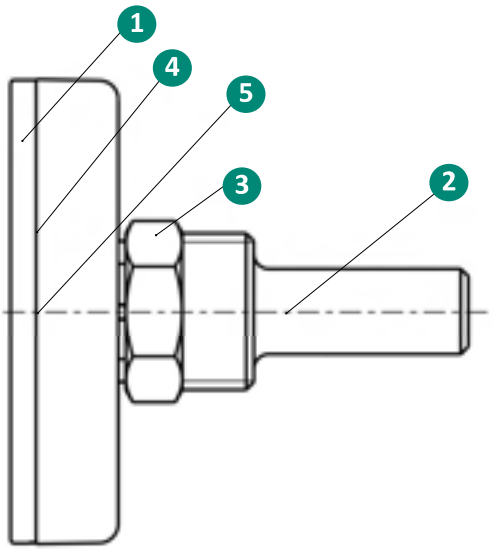
Thermowell length	Product code	Size (DN)	NS*1	b_1	ød*2	øD	L_1	SW*
40	FBT0120P10040	15	100	24	11.5	100 *(98.6 ... 99.4)*	40	21
60 *(standard)*	FBT0120P10060	15	100	24	11.5	100 *(98.6 ... 99.4)*	60	21
100	FBT0120P100100	15	100	24	11.5	100 *(98.6 ... 99.4)*	100	21
160	FBT0120P100160	15	100	24	11.5	100 *(98.6 ... 99.4)*	160	21

**Dimensions are in millimeters • [1]NS: Nominal size • [2]With L1=160: Ø d=11.0 mm • PC: Process connection •*

FIVC Bimetal Thermometer

Plactic and Copper Alloy – 0-120 C° – Thermowell ISO 228 – Bimetal – EN 13190

Product Specification



N°	Name	Material
1	Case	Aluminium
2	Stem	Aluminium
3	Thermowell	Copper Alloy
4	Dial	Plastic, white, black lettering
5	Pointer	Plastic, black

FIVC Bimetal Thermometer

Plactic and Copper Alloy – 0-120 C° – Thermowell ISO 228 – Bimetal – EN 13190



FPG series

Technical data

Main features and materials

- Case: Plastic
- Stem: Aluminium
- Process connection: Thermowell in Copper Alloy
- Thermowell: ISO 228 in DN 15. Different lengths. Removable, friction fit
- Pointer: Plastic
- Dial: Plastic w/Pointer
- Window: Plastic
  Nominal size for DN 63: PS
  Nominal size for DN 80, 100: SAN
- Connection location: Back mount, centre
- Working scale: Full scale value
- Accuracy class: Indication accuraccy class 2 EN 13190
- USP: Reliable and cost-effective
  Nominal size: 63, 80, and 100
  Thermowell included
- Zero adjustment: At bottom of the stem

Field of applications

- Temperature range: 0 to 120 °C
- Max. working pressure: 6 bar

- Heating systems
- Hot water tanks
- Solar connectors
- Heat transfer stations

Description

FIVC Bimetal Thermometer is designed as a bimetal type device to be installed in applications for temperature-measurement purposes. The device is delivered with a thermowell that can operate with an operating pressure of up to 6 bar.

Benefits of using the thermometer include its quick and accurate readings of the temperature in the application. Furthermore, the device is manufactured to tolerance class 2 in accordance with EN 13190 and thus offers the required indication accuracy for hearing tecknology.

Besides, the thermometer is simple and easy to be installed and has a modular design enabling a multitude of combinations of case materials, nominal sizes, scale ranges and stem lengths.

Alternative Product Versions

Other Standards

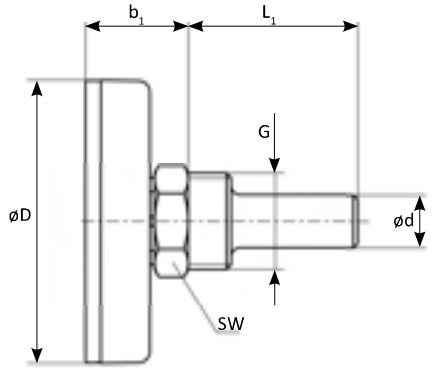
- Removable Brass thermowell with retainer screw
- Other scale range
- Case in Steel (galvanized) or Aluminium
- Slip-on bezel, nickelplated

Other versions available upon request.

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



Product Information

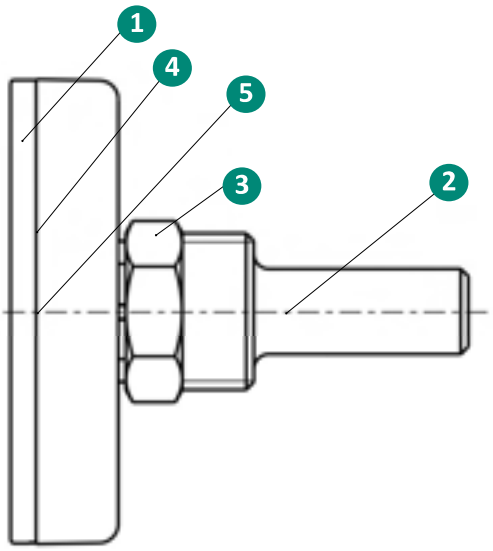
Thermowell length	Product code	Size (DN)	NS*1	b_1	ød*2	øD	L_1	SW*
40	FBT0120P10040	15	100	24	11.5	100 *(98.6 ... 99.4)*	40	21
60	FBT0120P10060	15	100	24	11.5	100 *(98.6 ... 99.4)*	60	21
100 *(standard)*	FBT0120P100100	15	100	24	11.5	100 *(98.6 ... 99.4)*	100	21
160	FBT0120P100160	15	100	24	11.5	100 *(98.6 ... 99.4)*	160	21

**Dimensions are in millimeters • [1]NS: Nominal size • [2]With L1=160: Ø d=11.0 mm • PC: Process connection •*

FIVC Bimetal Thermometer

Plactic and Copper Alloy – 0-120 C° – Thermowell ISO 228 – Bimetal – EN 13190

Product Specification



N°	Name	Material
1	Case	Plastic, black
2	Stem	Aluminium
3	Thermowell	Copper Alloy
4	Dial	Plastic, white, black lettering
5	Pointer	Plastic, black

FIVC Bimetal Thermometer

Plastic and Copper Alloy – -30-50 C° – Thermowell ISO 228 – Bimetal – EN 13190



FPG series

Technical data

Main features and materials

- Case: Plastic
- Stem: Aluminium
- Process connection: Thermowell in Copper Alloy
- Thermowell: ISO 228 in DN 15. Different sizes. Removable, friction fit
- Pointer: Plastic
- Dial: Plastic w/Pointer
- Window: Plastic
  Nominal size for DN 63: PS
  Nominal size for DN 80, 100: SAN
- Connection location: Back mount, center
- Working scale: Full-scale value
- Accuracy class: Indication accuracy class 2 EN 13190
- USP: Reliable and cost-effective
  Nominal size: 63, 80, and 100
  Thermowell included
- Zero adjustment: At the bottom of the stem

Field of applications

- Temperature range: -30 to 50 °C
- Max. working pressure: 6 bar with thermowell

- Heating systems
- Hot water tanks
- Solar connectors
- Heat transfer stations

Description

FIVC Bimetal Thermometer is designed as a bimetal type device to be installed in applications for temperature-measurement purposes. The device is delivered with a thermowell that can operate with an operating pressure of up to 6 bar.

Benefits of using the thermometer include its quick and accurate readings of the temperature in the application. Furthermore, the device is manufactured to tolerance class 2 in accordance with EN 13190 and thus offers the required indication accuracy for hearing technology.

Besides, the thermometer is simple and easy to be installed and has a modular design enabling a multitude of combinations of case materials, nominal sizes, scale ranges, and stem lengths.

Alternative Product Versions

Other Standards

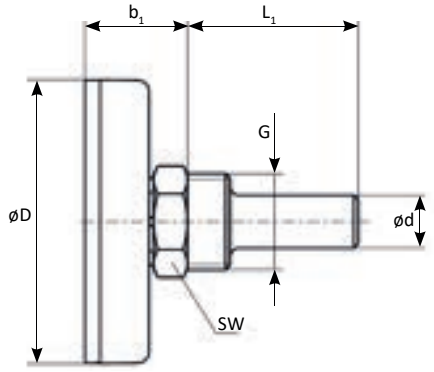
- Removable Brass thermowell with retainer screw
- Other scale range
- Case in Steel (galvanized) or Aluminium
- Slip-on bezel, nickelplated

Other versions available upon request.

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



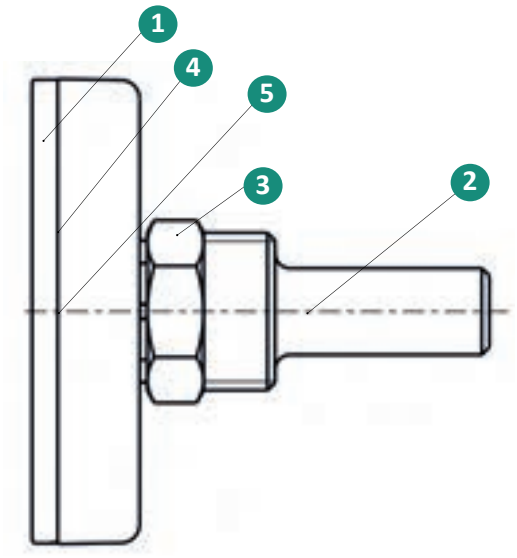
Thermowell length	Product code	Size (DN)	NS*¹	b_1	ød*²	øD	L_1	SW*
40	FBT-3050P10040	15	100	24	11.5	100 *(98.6 ... 99.4)*	40	21
60 *(standard)*	FBT-3050P10060	15	100	24	11.5	100 *(98.6 ... 99.4)*	60	21
100 *(standard)*	FBT-3050P100100	15	100	24	11.5	100 *(98.6 ... 99.4)*	100	21
160	FBT-3050P100160	15	100	24	11.5	100 *(98.6 ... 99.4)*	160	21

Dimensions are in millimeters • [1]NS: Nominal size • [2]With L1=160: Ø d=11.0 mm • PC: Process connection

FIVC Bimetal Thermometer

Plastic and Copper Alloy – -30-50 C° – Thermowell ISO 228 – Bimetal – EN 13190

Product Specification



N°	Name	Material
1	Case	Plastic, black
2	Stem	Aluminium
3	Thermowell	Copper Alloy
4	Dial	Plastic, white, black lettering
5	Pointer	Plastic, black

FIVC V-Line Thermometer

Aluminium – 0-100 °C – Glass – ISO 228 – Angle – ASME B40.200



FVTA series

Technical data

Main features and materials

• Case:	Anodized Aluminium
• Stem:	Brass
• Swivel nut:	Brass
• Pointer:	Blue liquid
• Process connection:	90 °C angle.
• Glass tube:	Prismatic
• Window:	Glass
• Working scale:	Full-scale value
• Accuracy class:	Indication accuracy ±2 of full scale
• Enclosure rating:	IP65
• Stem length:	63 mm
• USP:	Rugged and durable in harsh industrial environments
• Standard:	ASME B40.200

Field of applications

• Temperature range:	0 to 100 °C
• Max. working pressure:	6 bar

- HVAC
- Plumbing

Description

FIVC V-Line Thermometer is designed as a prismatic industrial glass thermometer to be installed in harsh HVAC and Plumbing applications for temperature-measurement purposes. The device is delivered with a removable 90 °C angle process connector that can operate with an operating pressure of up to 6 bar.

Benefits of using this thermometer include its quick, easy, and accurate readings of the temperature in the application. Furthermore, the device is manufactured with an indication accuracy ±2 of full scale and thus offers the required indication accuracy.

Besides, the window of the thermometer is made of glass, ensuring valve clearness, ruggedness and durability. It is easy to be installed and has a modular design enabling a multitude of combinations of case materials, nominal sizes, process connection positions, and stem lengths.

Alternative Product Versions

Other Standards

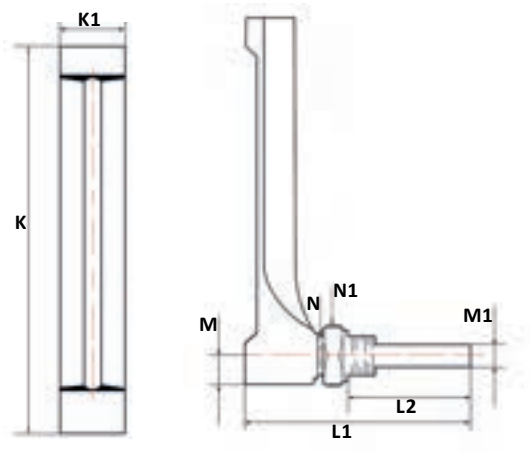
- Straight or 135 °C positioned connection
- Glass tube as cushioned
- Other scale range
- Case in black-powder coated Nylon
- Filling in red fluid
- Stem in SS304 SS316, CuNi0Fe etc.

Other versions available upon request.

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



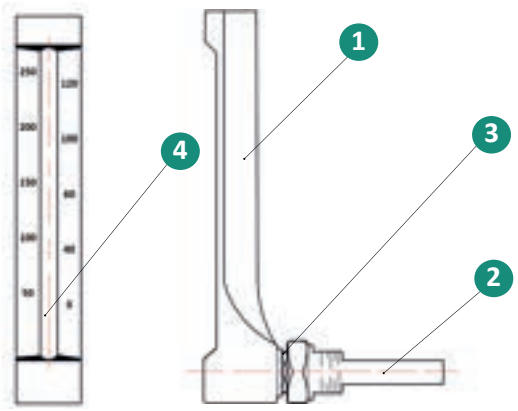
Product code	Size *(DN)*	K*	K1	L1	L2	M	M1	N	N1
FVTA012063	15	150	34	108	63	12	10	21.3	27
FVTA012063L	15	200	34	108	63	12	10	21.3	27
FVTA0120100	15	150	34	145	100	12	10	21.3	27
FVTA0120100L	15	200	34	145	100	12	10	21.3	27

*Dimensions are in millimeters • *K: Case length*

FIVC V-Line Thermometer

Aluminium – 0-100 °C – Glass – ISO 228 – Angle – ASME B40.200

Product Specification



N°	Name	Material
1	Case	Anodized Aluminium
2	Stem and thermowell	Brass
3	Swivel nut	Brass
4	Pointer	Blue liquid

FIVC V-Line Thermometer

Aluminium – 0-100 °C – Glass – ISO 228 – Straight – ASME B40.200



FVTS series

Technical data

Main features and materials

• Case:	Anodized Aluminium
• Stem:	Brass
• Swivel nut:	Brass
• Pointer:	Blue liquid
• Process connection:	Straight
• Glass tube:	Prismatic
• Window:	Glass
• Working scale:	Full-scale value
• Accuracy class:	Indication accuracy ±2 of full scale
• Enclosure rating:	IP65
• Stem length:	63 mm
• USP:	Rugged and durable in harsh industrial environments
• Standard:	ASME B40.200

Field of applications

• Temperature range:	0 to 100 °C
• Max. working pressure:	6 bar

- HVAC
- Plumbing

Description

FIVC V-Line Thermometer is designed as a prismatic industrial glass thermometer to be installed in harsh HVAC and Plumbing applications for temperature-measurement purposes. The device is delivered with a removable straight process connector that can operate with an operating pressure of up to 6 bar.

Benefits of using this thermometer include its quick, easy, and accurate readings of the temperature in the application. Furthermore, the device is manufactured with an indication accuracy ±2 of full scale and thus offers the required indication accuracy.

Besides, the window of the thermometer is made of glass, ensuring valve clearness, ruggedness and durability. It is easy to be installed and has a modular design enabling a multitude of combinations of case materials, nominal sizes, process connection positions, and stem lengths.

Alternative Product Versions

Other Standards

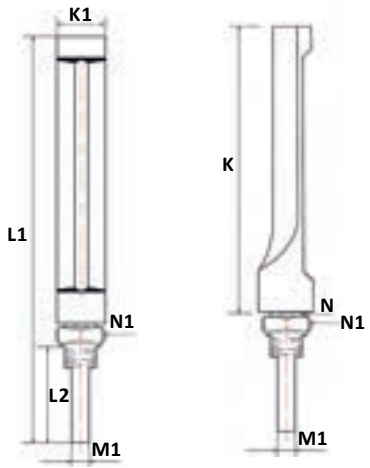
- Angle or 135 °C positioned connection
- Glass tube as cushioned
- Other scale range
- Case in black-powder coated Nylon
- Filling in red fluid
- Stem in SS304 SS316, CuNi0Fe etc.

Other versions available upon request.

Declaration

The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).

Dimensions



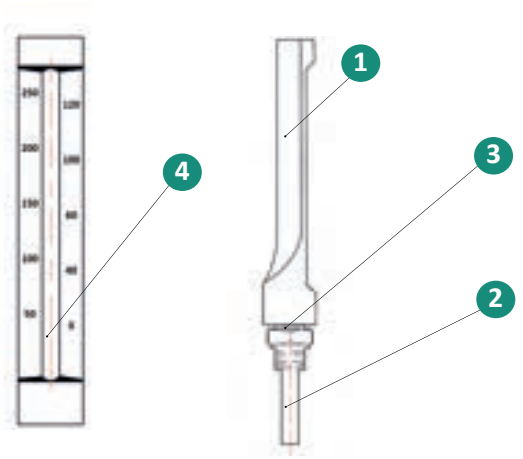
Product code	Size (DN)	K*	K1	L1	L2	M	M1	N	N1
FVTS012063	15	150	34	232	63	12	10	21.3	27
FVTS012063L	15	200	34	282	63	12	10	21.3	27
FVTS0120100	15	150	34	269	100	12	10	21.3	27
FVTS0120100L	15	200	34	319	100	12	10	21.3	27

*Dimensions are in millimeters • *K: Case length*

FIVC V-Line Thermometer

Aluminium – 0-100 °C – Glass – ISO 228 – Straight – ASME B40.200

Product Specification



N°	Name	Material
1	Case	Anodized Aluminium
2	Stem and thermowell	Brass
3	Swivel nut	Brass
4	Pointer	Blue liquid

PRESSURE GAUGES



Feature	Precision pressure monitoring for tracking pressure fluctuations within pipelines and systems. Contributing to effective pressure control strategies.
Quick and accurate readings	Empower operators with timely information to make informed decisions, enhance system reliability and safety, and prevent disruptions.
Safeguarding	Improving safety and performing preventive maintenance.
Green responsibility	Identifies potential system problems, contributing to lower replacement costs and overall sustainability goals.
Preventive maintenance	Enhances safety protocols and optimizes system efficiency by preventing over-pressurization or under-pressurization scenarios, reducing downtime and operational costs.



- Fast and accurate readings
- Simple and easy installation
- Ensures that no leakages or pressure changes occur
- Low maintenance
  Reliable system

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FIVC Pressure Gauge

Plastic and Copper Alloy – 0-10 bar – Bourdon – EN 837-1



FPG series

Technical data

Main features and materials

- Case: Plastic
- Process connection: Copper Alloy
- Pressure element: Copper Alloy
- Dial: Plastic/Aluminium w/Pointer stop pin
- Window: Plastic
- Movement: Copper Alloy
- USP: Reliable and cost-effective
  Nominal size: 40, 50, 63, 80, 100, and 160
- Design: EN 837-1
- Accuracy class: 2.5
- Pressure limitation: Steady: 3/4 x full scale value
  Fluctuating: 2/3 x full scale value
  Short time: Full scale value
- Scale ranges: 0..0.6 to 0..400 bar

Field of applications

- Temperature range: Ambient: -20 to 60 °C
  Medium: +60 °C maximum
- Max. working pressure: 0-10 bar

- Gaseous and liquid media that are not highly viscous or crystallising and will not attack copper alloy parts
- Pneumatics
- Heating and air-conditioning technology
- Medical engineering

Description

FIVC Pressure Gauge is designed as a Bourdon type device to be installed in applications for pressure-measurement purposes. The device is zero-referenced against ambient pressure and reads zero when it is disconnected from the equipment.

Using a pressure gauge has the advantage of providing fast and accurate fluid pressure readings. Furthermore, the device ensures that no leakages or pressure changes occur in the system, resulting in a predictable and reliable system.

Besides, the pressure gauge is simple and easy to install and may be more durable in rough and large applications with large pressure changes.

Alternative Product Versions

Other Standards

- Sealings
- Accuracy class 1.6
- Case steel, black, for DN 40, 50 and 63 with blow-out device
- Surface mounting flange (not with DN 40 and 50)

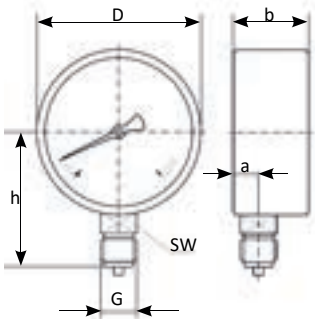
Other versions available upon request.

Declaration

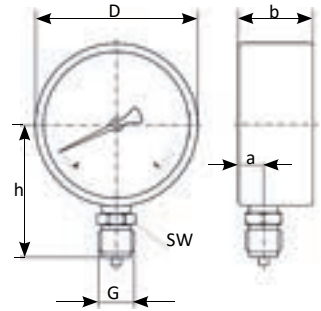
The product has been inspected and tested in accordance with the Sound Engineering Practice SEP. Acc. to the European PED Directive N° 2014/68/EU, dated 15/05/2014, the product is exempted from CE marking (Cf. Art. 4.3).
Approvals include GOST, Russia (metrology/measurement technology), CRN, Canada (safety e.g. electr. safety, overpressure etc.).

Dimensions

DN 40,50,63, and 160



DN 80 and 100



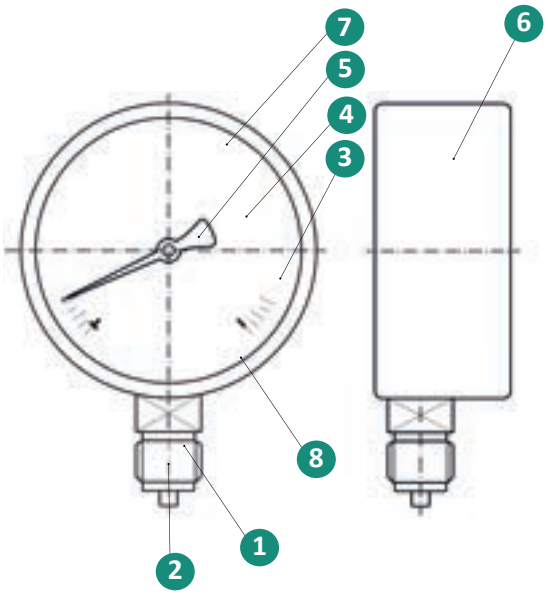
Product code	Size	NS*	a	b±0.5	D	h±1	SW	PC*	Kg
FPGB003P01040	3	40	9.5	26	39	36	14	Male, 14 mm flats	0.08
FPGB006P01050	6	50	10	27.5	49	45	14		0.10
FPGB006P01063	6	63	9.5	27.5	62	53.5	14		0.13
FPGB015P01080	15	80	11.5	30	79	72	22	Male, 22 mm flats	0.18
FPGB015P010100	15	100	11.5	30.5	99	83.5	22		0.21
FPGB015P010160	15	160	15.5	42	160	115.5	22		0.85

Dimensions are in millimeters • PC: Process connection • NS: Nominal size

FIVC Pressure Gauge

Plastic and Copper Alloy – 0-10 bar – Bourdon – EN 837-1

Product Specification



N°	Name	Material
1	Process connection	Copper Alloy, lower mount (LM)
2	Pressure element	Copper Alloy, C-type or helical type
3	Movement	Copper Alloy
4	Dial	DN 40, 50, 63: Plastic, white, with pointer stop pin. DN 80, 100, and 160: Aluminium, white, with pointer stop pin. Black lettering, red mark pointer with measuring ranges 0 ... 0.6 to 0 ... 60 bar.
5	Pointer	Plastic, black. Except DN 160: Steel, black.
6	Case	Plastic, black Except DN 160: Steel, black.
7	Window	Plastic, crystal-clear, snap-fitted in case. Except DN 160: Instrument glass.
8	Bezel ring	DN 40-100: without a bezel ring DN 160: With a bezel ring

FIVC Pressure Gauge

Plastic and Copper Alloy – 0-16 bar – Bourdon – EN 837-1



FPG series

Technical data

Main features and materials

- Case: Plastic
- Process connection: Copper Alloy
- Pressure element: Copper Alloy
- Dial: Plastic/Aluminium w/Pointer stop pin
- Window: Plastic
- Movement: Copper Alloy
- USP: Reliable and cost-effective
  Nominal size: 40, 50, 63, 80, 100, and 160
- Design: EN 837-1
- Accuracy class: 2.5
- Pressure limitation: Steady: 3/4 x full scale value
  Fluctuating: 2/3 x full scale value
  Short time: Full scale value
- Scale ranges: 0..0.6 to 0..400 bar

Field of applications

- Temperature range: Ambient: -20 to 60 °C
  Medium: +60 °C maximum
- Max. working pressure: 0-16 bar

- Gaseous and liquid media that are not highly viscous or crystallising and will not attack copper alloy parts
- Pneumatics
- Heating and air-conditioning technology
- Medical engineering

Description

FIVC Pressure Gauge is designed as a Bourdon-type device to be installed in applications for pressure-measurement purposes. The device is zero-referenced against ambient pressure and reads zero when it is disconnected from the equipment.

Using a pressure gauge has the advantage of providing fast and accurate fluid pressure readings. Furthermore, the device ensures that no leakages or pressure changes occur in the system, resulting in a predictable and reliable system.

Besides, the pressure gauge is simple and easy to install and may be more durable in rough and large applications with large pressure changes.

Alternative Product Versions

Other Standards

- Sealings
- Accuracy class 1.6
- Case steel, black, for DN 40, 50 and 63 with blow-out device
- Surface mounting flange (not with DN 40 and 50)

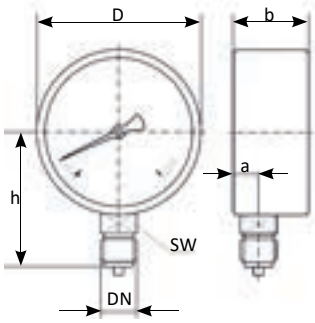
Other versions available upon request.

Declaration

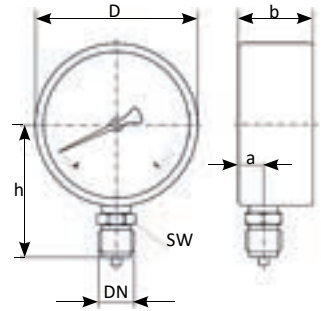
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Approvals include GOST, Russia (metrology/measurement technology), CRN, Canada (safety e.g. electr. safety, overpressure etc.).

Dimensions

NS 40,50,63, and 160



NS 80 and 100



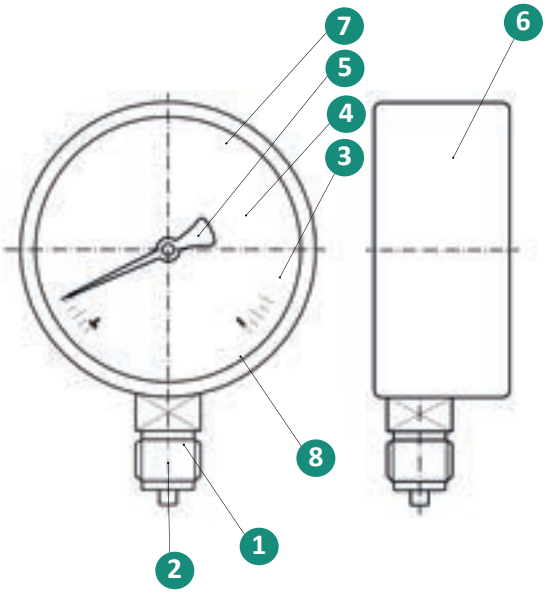
Product code	Size	NS*	D	a	b±0.5	h±1	SW	PC*	Kg
FPGB003P01640	3	40	39	9.5	26	36	14	Male, 14 mm flats	0.08
FPGB006P01650	6	50	49	10	27.5	45	14		0.10
FPGB006P01663	6	63	62	9.5	27.5	53.5	14		0.13
FPGB015P01680	15	80	79	11.5	30	72	22	Male, 22 mm flats	0.18
FPGB015P016100	15	100	99	11.5	30.5	83.5	22		0.21
FPGB015P016160	15	160	160	15.5	42	115.5	22		0.85

*Dimensions are in millimeters • PC: Process connection • **NS: Nominal size*

FIVC Pressure Gauge

Plastic and Copper Alloy – 0-16 bar – Bourdon – EN 837-1

Product Specification



N°	Name	Material
1	Process connection	Copper Alloy, lower mount (LM)
2	Pressure element	Copper Alloy, C-type or helical type
3	Movement	Copper Alloy
4	Dial	DN 40, 50, 63: Plastic, white, with pointer stop pin. DN 80, 100, and 160: Aluminium, white, with pointer stop pin. Black lettering, red mark pointer with measuring ranges 0 ... 0.6 to 0 ... 60 bar.
5	Pointer	Plastic, black. Except DN 160: Steel, black.
6	Case	Plastic, black Except DN 160: Steel, black.
7	Window	Plastic, crystal-clear, snap-fitted in case. Except DN 160: Instrument glass.
8	Bezel ring	DN 40-100: without a bezel ring DN 160: With a bezel ring

DIGITAL MEASURING COMPUTER



Feature	Premier tool for precise flow rate and differential pressure measurements across static balancing valves.
Valve database	Over 4,300 valves from 67 manufacturers.
Data logging and analysis	Tracks and analyzes flow performance for proactive maintenance and optimization.
Precision measurement	Accurate flow rate and differential pressure measurements for precise flow control.
Compliance	Supports industry standards and ensures media quality and reliability.
Data empowerment	Data-driven decision-making, delivering reliable and real-time data on flow rate and differential pressure measurements.
Green responsibility	Empowering data-driven decision-making, contributing to energy efficiency and system optimization.



- Precision and reliability
- Full package
- Spareparts, accessories, and software available
- Large-scale capacity
- Recording possibilities

ISH 2025

FIVC Digital Measuring Computer *PN 20*



FDMC series

Technical data

Main features and materials

• Accuracy:	+/- 2 pct. or +/- 0.2 kPa
• Measurement Range:	2 kPa to 600 kPa
• Effective operating time:	20 hours (standard Alkaline PP3 battery)
• Database performance:	+4300 valves
• USP:	Full package (c.f. description) Automatic alerts. Valve data is automatically up-dated when services by FlowCon. Memorycard included. PcomPRO Project Application Software can be purcased.

Field of applications

• Max. static pressure:	20 bar

Description

FIVC Digital Measuring Computer is designed to perform reliable and easy measurements of flow rates and differential pressures in heating and air conditioning systems. Furthermore, it does enable recording possibilities.
With an improved measuring technique and a database performance including over 4300 valves from 67 different manufactures, the FIVC Digital Measuring Computer does deliver the best solution for accurate measurements.

The device does measure the differential pressure accross the static balancing valve and as long as the valve is listed in the integrated database, it derives the flowrate from the known characteristics (Kv-values) of the valve.

Besides, the device derives any correction for a specific gravity excluding 1.0, which is then displayed on the screen.

The product is delivered as a full package and provides five (5) menus for ease of use incl. a main-, unit-, display-, damping, and advanced menu. Several functions are associated to the menus.
Further, several spares, accessories, and software can be purchase to the product.

Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

Full Package Description

The FIVC Digital Measuring Computer is delivered with below parts:

1. Hand-held electronic manometer (enclosed in a removable rubber protector)
2. Quick-connect tubing set, complete with manually operated isolation valves.
3. Variety of adapters to connect to the majority of balancing valves
4. Toolkit
5. Lanyard for attachment of the unit to pipework etc.
5. Spare battery
6. Instruction manuals (Quick Start Guide and Menu Map).

All above are incorporated in a lightweight carrycase.

Specific Gravity of Water/Glycol mixtures

Tempera-	% Glycol additive										
° Celsius	0	10	20	30	40	50	60	70	80	90	100
80	-	-	0.991	1.003	1.017	1.026	1.036	1.046	1.054	1.062	1.068
70	-	0.990	1.000	1.010	1.023	1.034	1.042	1.053	1.062	1.069	1.075
60	-	0.995	1.007	1.017	1.030	1.041	1.050	1.060	1.070	1.076	1.083
50	-	1.000	1.013	1.013	1.035	1.048	1.057	1.067	1.077	1.084	1.090
40	0.990	1.004	1.018	1.029	1.042	1.054	1.064	1.074	1.085	1.091	1.098
30	0.996	1.007	1.022	1.034	1.047	1.059	1.070	1.080	1.092	1.099	1.105
20	0.999	1.010	1.026	1.038	1.052	1.065	1.076	1.088	1.099	1.106	1.114
10	1.000	1.013	1.028	1.042	1.056	1.070	1.082	1.094	1.105	1.113	1.120
0	1.000	1.015	1.029	1.045	1.061	1.075	1.088	1.100	1.112	1.120	1.128
-10	-	-	-	1.048	1.065	1.079	1.092	1.107	1.118	1.127	1.135
-20	-	-	-	-	1.068	1.083	1.097	1.113	1.124	1.133	1.136
-30	-	-	-	-	-	1.087	1.100	1.118	1.128	1.137	1.137
-40	-	-	-	-	-	-	1.102	1.122	1.133	1.138	1.138

FlowCon IVC

High-rise and Skyscrapers

CASE-STUDY

8 Bishopsgate
London, UK



Building Details

8 Bishopsgate is a 51-storey, 204-meter-tall commercial skyscraper completed in 2023. It offers 570,000 square feet of office space, retail areas, and public amenities.

Project Details

- **Project name**: 8 Bishopsgate
- **Location**: London, UK
- **Year of Installation**: 2021/2022
- **Application**: Basement, plant rooms on floors, risers
- **Contractor**: Stanhope PLC
- **MEP Contractor**: Michael J. Lonsdale

Innovative Features and Sustainability

8 Bishopsgate stands out for its sustainable design, incorporating low-energy systems, rainwater harvesting, and high-performance façades. Developed by Mitsubishi Estate London and Stanhope PLC, and designed by WilkinsonEyre, it earned a BREEAM 'Outstanding' rating. Located in London's financial district, it offers excellent accessibility and connectivity.

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Skyscrapers

FlowCon IVC

Commercial Buildings

CASE-STUDY



Al Salem Air Force Base
Kuwait

Building Details

Ali Al Salem Air Base is a key military installation in Kuwait, serving as a strategic location for air operations. The base has undergone significant upgrades to enhance its operational capabilities, including improvements to infrastructure and facilities.

Project Details

- **Project name**: Al Salem Air Force Base
- **Location**: Kuwait
- **Consultant:** Dar Al-Handasah
- **Contractor:** Alghanim International Gen. Trad & Cont. Co.

Infrastructure Upgrade

FlowCon IVC supplied valves as part of the infrastructure upgrade, ensuring efficient flow control for critical systems. The project was carried out under the supervision of consultant Dar Al-Handasah and contractor Alghanim International, ensuring compliance with military-grade standards and performance requirements.

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Commercial buildings

FlowCon IVC

Hospitals and Healthcare Facilities

CASE-STUDY



Al Wakra Campus
Al Maha Centre
Qatar

Building Details

The Al Maha Center for Children and Young Adults is a specialized healthcare facility within the Al Wakra Hospital campus. Spanning approximately 20,000 square meters, it includes six inpatient units and 13 outpatient clinic rooms, offering comprehensive medical services.

Project Details

- **Project Name:** Al Maha Centre (AMC)
- **Location:** Al Wakra, Qatar
- **Application:** Chilled Water System (CHWS)
- **Consultant:** Gulf Consulting Group
- **Main Contractor:** HYUNDAI Engineering & Construction
- **Supplied Products:** Suction diffusers and triple-duty valves

Healthcare System Support

FlowCon IVC supplied suction diffusers and triple-duty valves for the chilled water system (CHWS) to ensure efficient cooling and operational reliability. The project was executed by Hyundai Engineering & Construction under the supervision of Gulf Consulting Group.

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Healthcare

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FlowCon IVC

Commercial Buildings

CASE-STUDY

Qatar Media Studios & Offices

Qatar



Building Details

The project includes a two-storey building housing media studios and administrative offices, located at Wadi Al Sail, Doha. Designed for future expansion, it serves as a hub for media production and administrative activities.

Project Details

- **Project Name:** Qatar Media Studios & Administration Offices
- **Location:** Doha, Qatar
- **Application:** Plumbing system
- **Consultant:** Gulf Consulting Group
- **Main Contractor:** Al Madar Contracting WLL
- **Supplied Products:** Isolation, filtration, and regulation valves

Media Production Facility

FlowCon IVC supplied isolation, filtration, and regulation valves to support the plumbing system. The project was managed by Al Madar Contracting WLL, with Gulf Consulting Group as the consultant.

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Commercial buildings

ISH 2025

Data Centers

CASE-STUDY

Data Center Facility Pure

Qatar

Building Details

This data center facility is part of Qatar's expanding digital infrastructure. Designed to support advanced cloud computing and AI applications, it plays a key role in the nation's technological growth.

Project Details

- **Project Name:** Data Center Facility Pure
- **Location:** Qatar

High-Performance Cooling

FlowCon IVC supplied critical flow control valves to ensure precise temperature regulation, contributing to the facility's energy efficiency and uptime reliability.

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Data centers

FlowCon IVC

High-rise and Skyscrapers

CASE-STUDY

Avant Apartments

Melbourne, Australia



Building Details

Avant Apartments is a 55-storey residential high-rise located in Melbourne's central business district. Completed in 2018, it offers 456 residential units and amenities, including a swimming pool, gym, and communal spaces.

Project Details

- **Project Name:** Avant Apartments
- **Location:** Melbourne, Victoria, Australia
- **Year of Installation:** 2018
- **Contractor:** Ellis Airconditioning

Residential Comfort

FlowCon IVC supplied valves to support the building's HVAC system, ensuring optimal climate control. The project was executed by Ellis Airconditioning, ensuring high-quality installation and performance.

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Skyscrapers

FlowCon IVC

High-rise and Skyscrapers

CASE-STUDY

One Tower

Melbourne, Australia



Building Details

One Tower is a modern commercial building designed to offer premium office space. The tower features advanced infrastructure for enhanced occupant comfort.

Project Details

- **Project Name:** One Tower
- **Year of Installation:** 2021
- **Owner:** APJ
- **Supplied Valves:** Balancing valves

Flow Control Solutions

FlowCon IVC provided balancing valves to ensure efficient hydronic balancing, contributing to energy-efficient building operation. The project was completed in 2021, with APJ as the owner.

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Skyscrapers

Airports

CASE-STUDY

Sultan Syarif Kasim II International Airport
Indonesia



Building Details

Sultan Syarif Kasim II International Airport, located in Pekanbaru, Indonesia, serves as a key regional gateway. Recent expansions have enhanced its capacity and passenger experience.

Project Details

- **Project Name:** Sultan Syarif Kasim II International Airport
- **Location:** Pekanbaru, Indonesia
- **Year of Installation:** 2019
- **Owner:** ALMAGALA
- **Supplied Valves:** Balancing valves

Terminal Expansion

FlowCon IVC supplied balancing valves to support the airport's upgraded HVAC systems, ensuring efficient temperature regulation. ALMAGALA was the project owner, with installation completed in 2019.

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Airports

FlowCon IVC

Data Centers

CASE-STUDY



Data Centre Facility (MV2) at Umm Qarn
Qatar

Building Details

M-VAULT 2 is Qatar's first mega data center with Tier III certification. It offers state-of-the-art services, ensuring 99.98% uptime and a LEED Platinum rating for sustainability.

Project Details

- **Project Name:** Data Centre Facility (MV2)
- **Location:** Umm Qarn, Qatar
- **Consultant:** QDC
- **Client:** MEEZA

Mission-Critical Cooling

FlowCon IVC provided valves to support the facility's chilled water system, ensuring precise temperature control for critical IT equipment. The project was overseen by QDC as the consultant and MEEZA as the client.

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Data centers

ISH 2025

Commercial Buildings

CASE-STUDY



Jakarta International Stadium (JIS)
Indonesia

Building Details

Jakarta International Stadium is an 82,000-seat multi-purpose venue featuring a retractable roof. Built on a 26.5-hectare site, it aims to host international sports and entertainment events.

Project Details

- **Project Name:** Jakarta International Stadium (JIS)
- **Location:** Jakarta, Indonesia
- **Year of Installation:** 2021
- **Owner:** APJ
- **Supplied Valves:** Balancing valves

Sports Facility HVAC

FlowCon IVC supplied balancing valves for the stadium's HVAC system to ensure optimal climate control. The project was completed in 2021, with APJ as the owner.

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Commercial buildings

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FlowCon IVC

High-rise and Skyscrapers

CASE-STUDY



Menara BRI Gatot Subroto
Indonesia

Building Details

Menara BRI Gatot Subroto is a 27-storey office building located in Jakarta, offering modern office spaces and amenities for businesses.

Project Details

- **Project Name:** Menara BRI Gatot Subroto
- **Location:** Jakarta, Indonesia
- **Year of Installation:** 2019
- **Owner:** LUNTO
- **Supplied Valves:** Balancing valves

Commercial Office Comfort

FlowCon IVC provided balancing valves to ensure efficient HVAC performance, enhancing indoor climate control for office occupants.

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Skyscrapers

FlowCon IVC

Railway Infrastructure

CASE-STUDY

Riyadh Metro

Saudi Arabia



Building Details

The Riyadh Metro is a major public transport project in Saudi Arabia, consisting of six metro lines spanning a total of 176 kilometers with 85 stations.

Project Details

- **Project Name:** Riyadh Metro
- **Location:** Riyadh, Saudi Arabia
- **Application:** Chilled Water System (CHWS)
- **Consultant:** RMTC (Riyadh Metro Transit Consultants)
- **Contractor:** BACS (HAPCO)
- **Client:** Ar Riyadh Development Co.

Urban Transport Efficiency

FlowCon IVC supplied valves for the metro's chilled water system, ensuring efficient cooling for station facilities and enhancing passenger comfort.

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Railway network

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High-rise and Skyscrapers

CASE-STUDY

Burj Ramla

Saudi Arabia



Building Details

Burj Ramla is a high-rise residential and commercial tower in Riyadh. It features 36 floors of premium apartments and office spaces.

Integrated Building Solutions

FlowCon IVC supplied valves and accessories for both chilled water and plumbing systems, ensuring efficient flow control and reliability across the tower's multiple applications.

Project Details

- **Project Name:** Burj Ramla
- **Location:** Riyadh, Saudi Arabia
- **Application:** Chilled Water (CHW) & Plumbing
- **Building:** 2B + G + M + 36 Floors
- **Consultant:** Erga Saudi
- **Contractor:** First Saudi Contracting Co.
- **Client:** Ramla Real Estate

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High-rise building

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Hospitals and Healthcare Facilities

CASE-STUDY

Sunshine Hospital

Australia



Building Details

Sunshine Hospital is a leading healthcare facility in Victoria, providing a wide range of medical services, including emergency care, surgery, and maternity.

Project Details

- **Project Name:** Sunshine Hospital
- **Location:** Victoria, Australia
- **Year of Installation:** 2018
- **Contractor:** D&E Airconditioning

Healthcare HVAC Solutions

FlowCon IVC supplied valves to support the hospital's HVAC system, ensuring precise climate control critical for patient care and comfort.

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Healthcare

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Commercial Buildings

CASE-STUDY

The Masar/KAAR Gateway

Saudi Arabia



Building Details

The Masar/KAAR Gateway is a landmark urban development project in Makkah, designed to enhance infrastructure and urban living standards.

Project Details

- **Project Name:** The Masar/KAAR Gateway
- **Location:** Makkah, Saudi Arabia
- **Year of Installation:** 2021
- **Application:** District cooling valves (main line and branches)
- **Consultant:** KEO International Consultants
- **Contractor:** Nesma & Partners

District Cooling Infrastructure

FlowCon IVC supplied district cooling valves for the main line and branch systems, ensuring efficient cooling distribution across the development.

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Commercial buildings

FlowCon IVC

Hospitals and Healthcare Facilities

CASE-STUDY



Hamad Bin Khalifa Medical City

Saudi Arabia

Building Details

Hamad Bin Khalifa Medical City is a state-of-the-art medical complex in Doha, comprising several hospitals and healthcare facilities.

Project Details

- **Project Name:** Hamad Bin Khalifa Medical City
- **Location:** Doha, Qatar
- **Supplied Products:** Valves and accessories

Comprehensive Medical Solutions

FlowCon IVC supplied a range of valves and accessories to support the complex's extensive medical infrastructure, ensuring reliable operation and patient comfort.

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Healthcare

ISH 2025

FlowCon IVC

Commercial Buildings

CASE-STUDY

Aspire Zone Foundation
Qatar



Building Details

Hamad Bin Khalifa Medical City is a state-of-the-art medical complex in Doha, comprising several hospitals and healthcare facilities.

Energy Efficiency

FlowCon IVC supplied valves to support the chilled water system, ensuring efficient energy transfer and climate control across the complex.

Project Details

- **Project Name:** Aspire Zone Foundation
- **Location:** Doha, Qatar
- **Building:** New Energy Centre Network & New Energy Transfer Station Rooms
- **Application:** Chilled Water System (CHWS)
- **Consultant:** EGEC
- **Client:** Aspire Zone Foundation

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Commercial buildings

FlowCon IVC

Commercial Buildings

CASE-STUDY

Orangerie & Food Hall Project

Katara Commercial Plaza

Qatar



Building Details

The Orangerie & Food Hall Project at Katara Commercial Plaza is a vibrant retail and dining destination in Doha, combining modern architecture with cultural elements.

Project Details

- **Project Name:** Orangerie & Food Hall Project
- **Location:** Doha, Qatar
- **Consultant:** KEO International Consultants
- **Client:** Katara

Retail & Dining Comfort

FlowCon IVC supplied valves to ensure efficient HVAC performance, providing a comfortable environment for both shoppers and diners.

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Commercial buildings



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