Drainage technology - floor drains

Drainage technology – channels

Drainage technology - parking area

Drainage technology - gardening & landscaping

Manhole & edge protectors

Crash guards & edge protectors

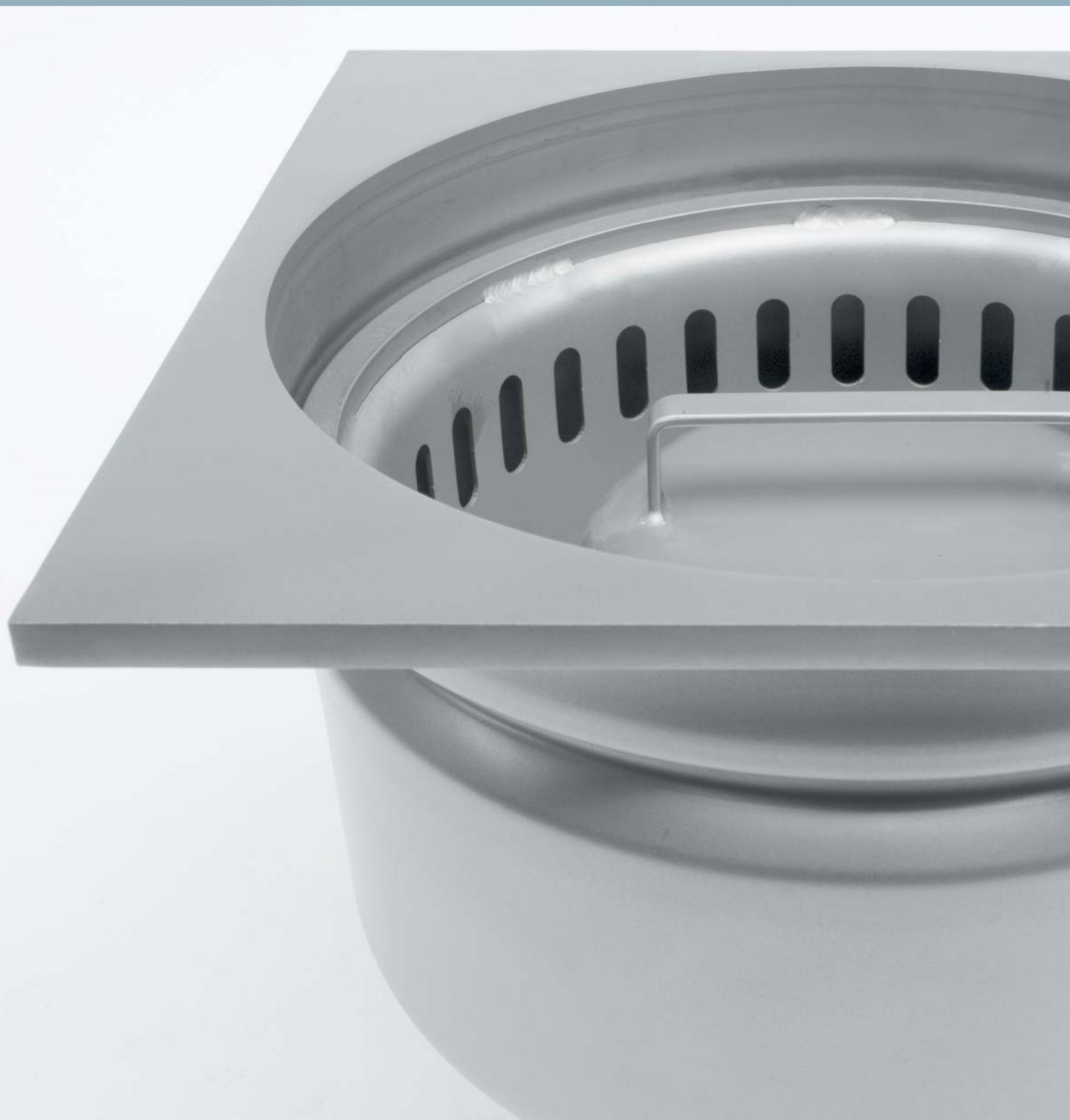
Doors- & windows

Control cabinets

Special commissions

WIEDEMANN-TECHNIK

Quality in stainless steel



Floor drains

WIEDEMANN has been making stainless steel floor drains for over 70 years. As early as 1951 WIEDEMANN was developing, producing and installing cast metal drain intakes for dairies.

We have used this experience to further develop our floor drains, adapting them to meet the ever-increasing requirements. Our focus is, and always has been, on the hygienic needs of the food processing industry.

Our external quality control carried out by TÜV Rheinland / LGA in accordance with EN 1253 gives you the certainty that quality assurance and the optimisation of industrial production processes are a part of daily life in our company.

Our floor drains are used throughout the food, chemical and pharmaceutical industries.

- **Beverage industry**
- **Meat industry**
- **Dairy industry**
- **Chemical and pharmaceutical industry**
- **Canteen kitchens**




Square inlet rims for tiled floors

Our square inlet rims are particularly suitable for tiled floors.

The inlet rims are made of solid stainless steel, providing maximum stability to withstand forklift operations.

The sharp-edged transition to the adjoining jointing or grouting material eliminates the risk of the material separating from the stainless steel. This guarantees the highest level of hygiene by avoiding cracks where bacteria can accumulate.

Floor drains for tiled or resin floor coverings

Wiedemann floor drains are available with square inlet rims for tiled floors or with round inlet rims for synthetic resin flooring on acryl-, epoxy resin- or polyurethane-basis.

Whether square or round – both versions have been made of solid stainless steel to provide maximum stability to withstand forklift operations. A sharp-edged transition to the adjoining jointing, grouting of flooring material prevents separation or cracks in the material.

This prevents the accumulation of bacteria in cracks or joints, and by using our floor drains you ensure the highest standard of hygiene.



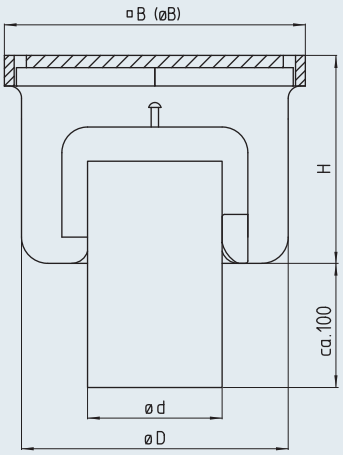






Contents

Industrial floor drain – single-part DR-S – vertical

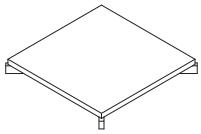


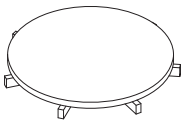
B = W
HV = HA

Model	DN	Ø d [mm]	⊠ W [mm]	Ø W [mm]	Ø D [mm]	H [mm]	Silt box volume [l]	Flow rate [l/s]	
DR-070-E-S	70	75	180	-	153	145	-	> 1.5	
DR-070-RD-S	70	75	-	196	153	145	-	> 1.5	
DR-100-E-S	100	110	246	-	218	170	-	> 2.8	
DR-100-RD-S	100	110	-	270	218	170	-	> 2.8	
DR-150-E-S	150	160	310	-	283	180	-	> 8.2	
DR-150-RD-S	150	160	-	331	283	180	-	> 8.2	
DR-200-E-S	200	200	410	-	356	225	-	> 12.5	
DR-200-RD-S	200	200	-	410	356	225	-	> 12.5	

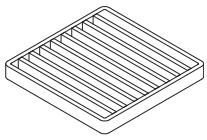
Cover variants[2)]

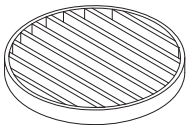
- Plate cover, M125, 10 mm



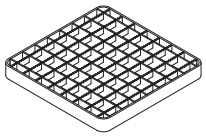


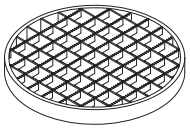
- Bar grate cover, M125





- Grating





- Plate 5 mm, not illustrated
- Plate 3 mm , hole ø 8 mm, not illustrated

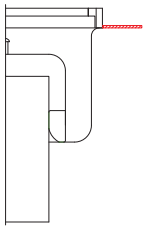
Inlet rim

- square
- round

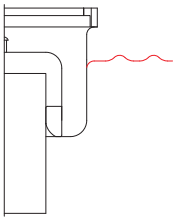
Grade

- 1.4301 (AISI 304)
- 1.4571 (AISI 316 Ti)[1)]

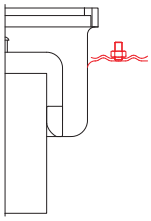
Flange variants (optional)[4)]



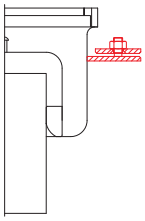
HF
Bonding flange
HFLALO
Bonding flange, perforated



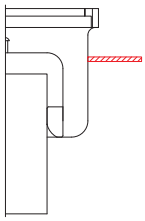
KBF
Adhesive flange
with soakage pits



KMF
Clambing flange
with soakage pits

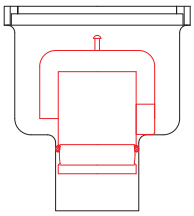


FDIN
Adhesive and clambing flange to DIN 18534-2
with soakage pits

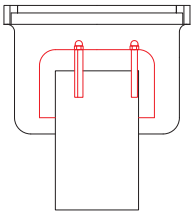


TGF
Supporting flange

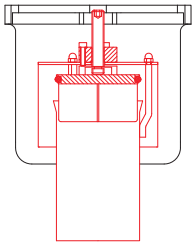
Supplementary equipment (optional)



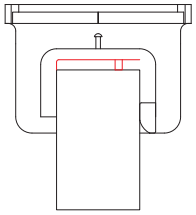
GVS
Air trap, plug-in



GVV
Air trap, bolted



AS[14)]
Air trap,
lockable



SBV Sieve plate, bolted
SBS Sieve plate, plug-in
SBE Sieve plate, welded

Description for use in tenders

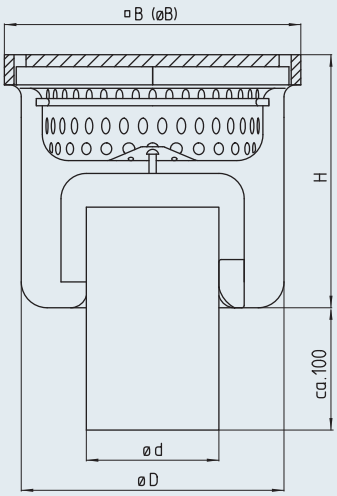
Industrial floor drain, single-part, Model DR, according to EN 1253. Inlet rim solid 25 x 8 mm. To achieve a high self-cleaning effect, the bottom of the housing has large and deep-drawn inside radius. Welded standpipe with maintenance-free air trap in stainless steel without sealing ring. Vertical outlet, without silt box. Surface grain blasted/pickled.

Nominal width:	• DN 70 • DN 100	• DN 150 • DN 200		
Grade:	• 1.4301 [AISI 304]	• 1.4571 [AISI 316 Ti] [1)]		
Cover:	• Plate cover, M125, 10 mm • Grating MW25 Support rod / 25/2RH	• Bar grate cover, M125 • Grating MW25 Support rod 25/3RH	• Plate cover, 5 mm • Grating MW25 Support rod 25/4RH	• Plate cover, 3 mm • Non-slip plate cover, M125 • Non-slip cover, L15
Inlet rim:	• square	• round		
Optional				
Flange variants:	• Bonding flange • Bonding flange perforated	• Adhesive flange, t = 1.5 mm • Clambing flange, t =1.5 mm	• Clambing flange to DIN 18534-2, t = 6 mm • Supporting flange	
Air trap:	• with plug-in air trap, • welded standpipe with bolted air trap, • removable standpipe with air trap, • welded standpipe, lockable with mandril			
Silt box:	• Sieve plate • Flat cage	• Flat cage • Flat cage		

We will be pleased to provide a description for specific objects for use in tenders.

[1)] If grade 1.4571 is used (AISI 316Ti) some components may be made of grade 1.4404 (AISI 316) for construction reasons [2)] for other covers and explanations see the page on cover variants [3)] For explanations see page on flange variants [14)] H dimension changes

Industrial floor drain – single-part DRS-S DRSK-S – vertical

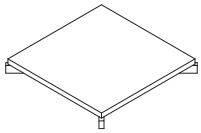


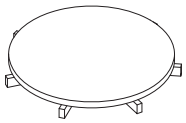
B = W
HV = HA

Model	DN	ø d [mm]	⊠ W [mm]	ø W [mm]	ø D [mm]	H [mm]	Silt box volume [l]	Flow rate [l/s]	
DRS-070-E-S	70	75	180	-	153	165	0.5	> 1.5	
DRS-070-RD-S	70	75	-	196	153	165	0.5	> 1.5	
DRS-100-E-S	100	110	246	-	218	210	1.5	> 2.8	
DRS-100-RD-S	100	110	-	270	218	210	1.5	> 2.8	
DRS-150-E-S	150	160	310	-	283	250	2.75	> 8.2	
DRS-150-RD-S	150	160	-	331	283	250	2.75	> 8.2	
DRS-200-E-S	200	200	410	-	356	315	6	> 12.5	
DRS-200-RD-S	200	200	-	410	356	315	6	> 12.5	
DRSK-100-E-S [17]	100	110	200	-	183	175	0.65	> 2.8	
DRSK-100-RD-S [17]	100	110	-	235	183	175	0.65	> 2.8	

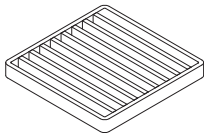
Cover variants[2]

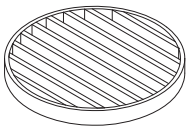
- Plate cover, M125, 10 mm



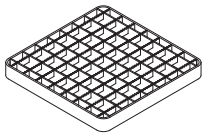


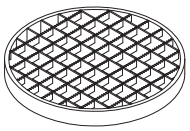
- Bar grate cover, M125





- Grating





- Plate 5 mm, not illustrated
- Plate 3 mm , hole ø 8 mm, not illustrated

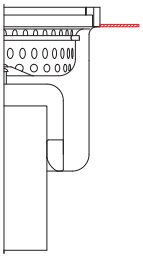
Inlet rim

- sqaure
- round

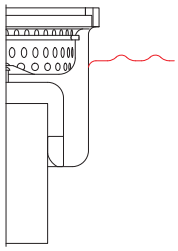
Grade

- 1.4301 (AISI 304)
- 1.4571 (AISI 316 Ti)[1]

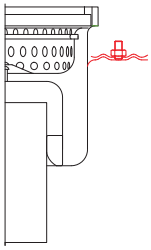
Flange variants (optional)[4)]



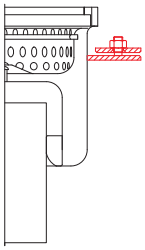
HF
Bonding flange
HFLALO
Bonding flange, perforated



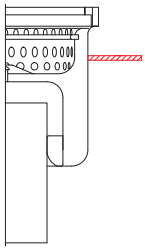
KBF
Adhesive flange
with soakage pits



KMF
Clambing flange
with soakage pits

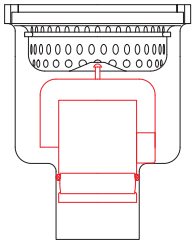


FDIN
Clambing flange
according to DIN 18534-2
with soakage pits

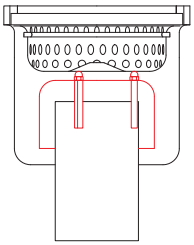


TGF
Support flange

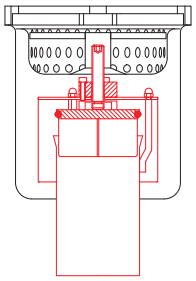
Supplementary equipment (optional)



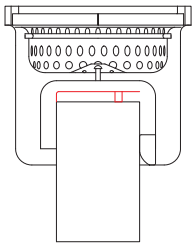
GVS
Air trap, plug-in



GVV
Air trap, bolted



AS[14)]
Air trap,
lockable



SBV Sieve plate, bolted
SBS Sieve plate, plug-in
SBE Sieve plate, welded

Description for use in tenders

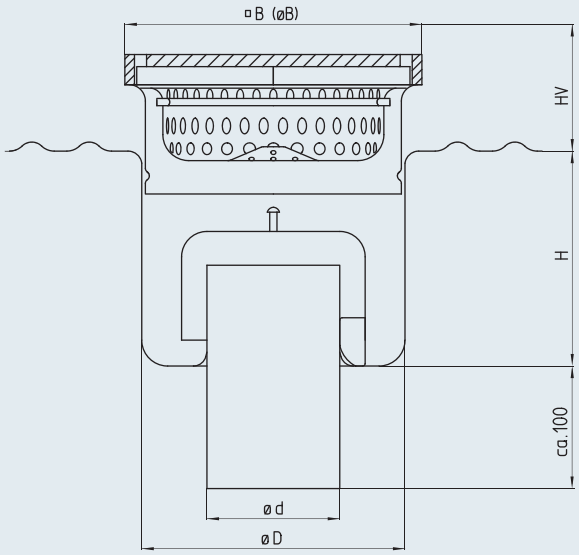
Industrial floor drain, single-part, Model DRS, according to EN 1253. Inlet rim solid 25 x 8 mm. To achieve a high self-cleansing effect, the bottom of the housing has large and deep-drawn inside radius. Welded standpipe with maintenance-free air trap in stainless steel without sealing ring and perforated silt box. Vertical outlet. Surface grain blasted/pickled.

Nominal width:	• DN 70 • DN 100	• DN 150 • DN 200		
Grade:	• 1.4301 [AISI 304]	• 1.4571 [AISI 316 Ti] [1)]		
Cover:	• Plate cover, M125, 10 mm • Grating MW25 Support rod / 25/2RH	• Bar grate cover, M125 • Grating MW25 Support rod 25/3RH	• Plate cover, 5 mm • Grating MW25 Support rod 25/4RH	• Plate cover, 3 mm • Non-slip plate cover, M125 • Non-slip cover, L15
Inlet rim:	• square	• round		
Optional				
Flange variants:	• Bonding flange • Bonding flange , perforated	• Adhesive flange, t = 1.5 mm • Clambing flange, t =1.5 mm	• Clambing flange conform with DIN 18534-2, t = 6 mm • Support flange	
Air trap:	• with plug-in air trap • welded standpipe with bolted air trap • removable standpipe with air trap • welded standpipe, lockable with mandril			
Silt box:	• Silt box with overflow slits			

We will be pleased to provide a description for specific objects for use in tenders.

[1)] If grade 1.4571 is used (AISI 316Ti) some components may be made of grade 1.4404 (AISI 316) for construction reasons [2)] for other covers and explanations see the page on cover variants [3)] For explanations see page on flange variants [14)] H dimension changes [17)] Not all options available.

Industrial floor drain – two-part H-S HK-S – vertical

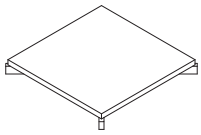


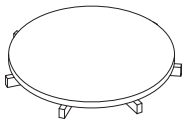
B = W
HV = HA

Modell	DN	Ø d [mm]	Ø W [mm]	Ø W [mm]	Ø D [mm]	H [mm]	HA [mm]	Silt box volume [l]	Flow rate [l/s]	H (AR) [mm]
H-070-E-S	70	75	180	-	153	129	60-80	0.5	> 1.5	120
H-070-RD-S	70	75	-	196	153	129	60-80	0.5	> 1.5	120
H-100-E-S	100	110	246	-	218	178	60-80	1.5	> 2.8	185
H-100-RD-S	100	110	-	270	218	178	60-80	1.5	> 2.8	185
H-150-E-S	150	160	310	-	283	209	60-80	2.75	> 8.2	225
H-150-RD-S	150	160	-	331	283	209	60-80	2.75	> 8.2	225
HK-100-E-S[17)]	100	110	200	-	190	119	60-80	0.65	> 2.8	120
HK-100-RD-S[17)]	100	110	-	235	190	119	60-80	0.65	> 2.8	120

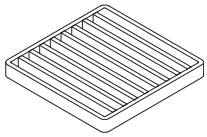
Cover variants[2)]

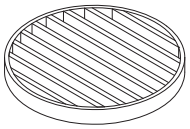
- Plate cover, M125, 10 mm



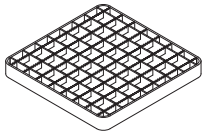


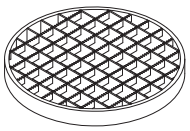
- Bar grate cover, M125





- Grating





- Plate 5 mm, not illustrated
- Plate cover 3 mm, hole ø 8 mm, not illustrated

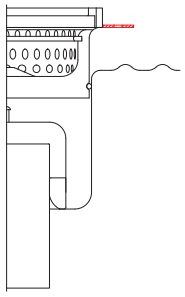
Inlet rim

- square
- round

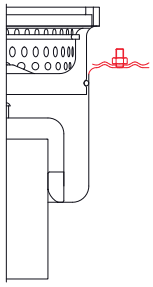
Grade

- 1.4301 (AISI 304)
- 1.4571 (AISI 316 Ti)[1)]

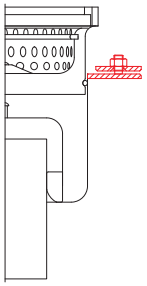
Flange variants (optional)[4)]



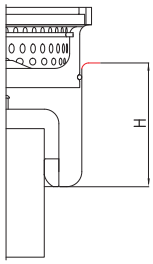
HF
Bonding flange
HFLALO
Bonding flange, perforated



KMF
Clambing flange

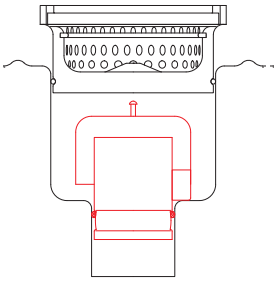


FDIN
Clambing flange
according to DIN 18534-2

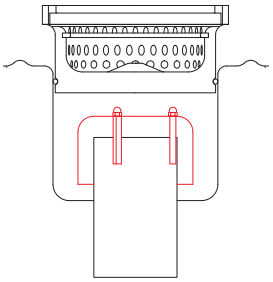


H (AR)[14)]
Attachment edge

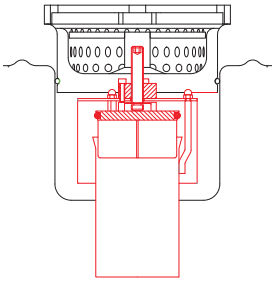
Supplementary equipment (optional)



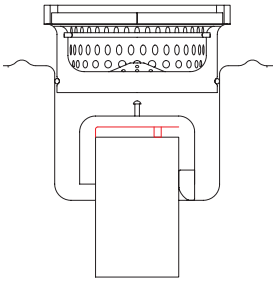
GVS
Air trap
plug-in



GVV
Air trap, bolted



AS[15)]
Air trap
lockable



SBV Sieve plate, bolted
SBS Sieve plate, plug-in
SBE Sieve plate, welded

Description for use in tenders

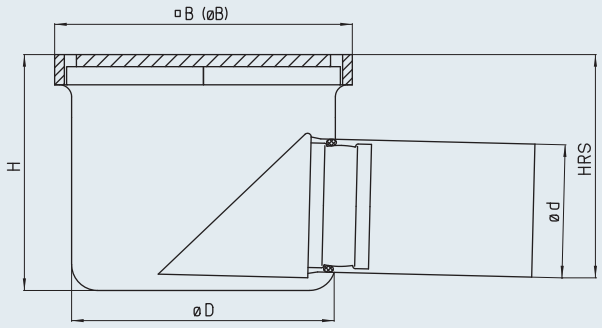
Adjustable height industrial floor drain, two-part, Model H, according to EN 1253. Infinitely variable height and adjustment of upper part, without sealing ring. Inlet rim solid 25 x 8 mm, adhesive flange on bottom of floor inlet. To achieve a high self-cleansing effect, the bottom of the housing has large and deep-drawn inside radius. Welded standpipe with maintenance-free air trap in stainless steel without sealing ring and perforated plate silt box. Vertical outlet. Surface grain blasted/pickled.

Nominal width:	• DN 70 • DN 100	• DN 150		
Grade:	• 1.4301 [AISI 304]	• 1.4571 [AISI 316 Ti] [1)]		
Cover:	• Plate cover, M125 , 10 mm • Grating MW25 Support rod / 25/2RH	• Bar grate cover, M125 • Grating MW25 Support rod 25/3RH	• Plate cover, 5 mm • Grating MW25 Support rod 25/4RH	• Plate cover, 3 mm • Non-slip plate cover, M125 • Non-slip cover, L15
Inlet rim:	• square	• round		
Height adjustment:	• 60 – 80 mm	• 80 – 140 mm	• ..... mm	
Optional Flange variants:	• Attachment flange • Bonding flange, perforate	• Clambing flange, t = 1.5 • Integral and lapped flange conform with DIN 18534-2, t = 6 mm	• Attachment edge	
Air trap:	• plug-in air trap • welded standpipe with bolted air trap • removable standpipe with air trap • welded standpipe, lockable with mandril			
Silt box:	• with overflow slits			
Sealing ring:	• with sealing ring (i.e. without secondary drainage)			

We will be pleased to provide a description for specific objects for use in tenders.

[1)] If grade 1.4571 is used (AISI 316Ti) some components may be made of grade 1.4404 (AISI 316) for construction reasons [2)] for other covers and explanations see the page on cover variants [3)] For explanations see page on flange variants [14)] H dimension changes [15)] Sealing ring is recommended due to risk of flow back [17)] Not all options available

Industrial floor drain – single-part DR-W – horizontal

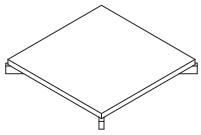


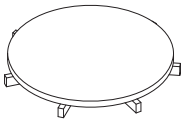
B = W
HV = HA

Model	DN	Ø d [mm]	⍁ W [mm]	Ø W [mm]	Ø D [mm]	H [mm]	HRS [mm]	Silt box volume [l]	Flow rate [l/s]
DR-070-E-W	70	75	180	-	153	145	127	-	> 1.5
DR-070-RD-W	70	75	-	196	153	145	127	-	> 1.5
DR-100-E-W	100	110	246	-	218	195	184	-	> 2.8
DR-100-RD-W	100	110	-	270	218	195	184	-	> 2.8
DR-150-E-W	150	160	310	-	283	237	221	-	> 8.2
DR-150-RD-W	150	160	-	331	283	237	221	-	> 8.2
DR-200-E-W	200	200	410	-	356	418	302	-	> 12.5
DR-200-RD-W	200	200	-	410	356	418	302	-	> 12.5

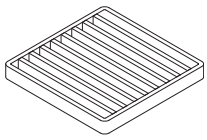
Cover variants[2)]

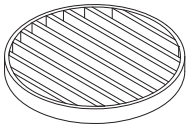
- Plate cover, M125, 10 mm



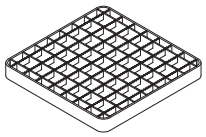


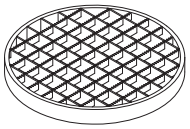
- Bar grate cover, M125





- Grating





- Plate 5 mm, not illustrated
- Plate Cover 3 mm, hole ø 8 mm, not illustrated

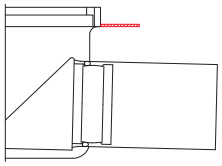
Inlet rim

- square
- round

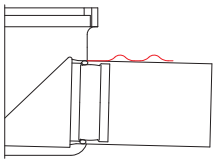
Grade

- 1.4301 (AISI 304)
- 1.4571 (AISI 316 Ti)[1)]

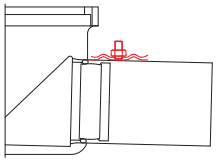
Flange variants (optional)[4)]



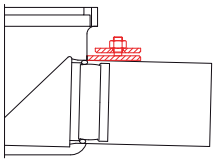
HF
Bonding flange
HFLALO
Bonding flange, perforated



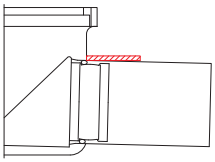
KBF
Adhesive flange
with soakage pits



KMF
Clambing flange
with soakage pits



FDIN
Clambing flange
according to DIN 18534-2
with soakage pits



TGF
Support flange

Description for use in tenders

Industrial floor drain, single-part, Model DR, according to EN 1253. Inlet rim solid 25 x 8 mm. To achieve a high self-cleansing effect, the bottom of the housing has large and deep-drawn inside radius. Stainless steel plug-in air trap. Horizontal outlet. Surface grain blasted/pickled.

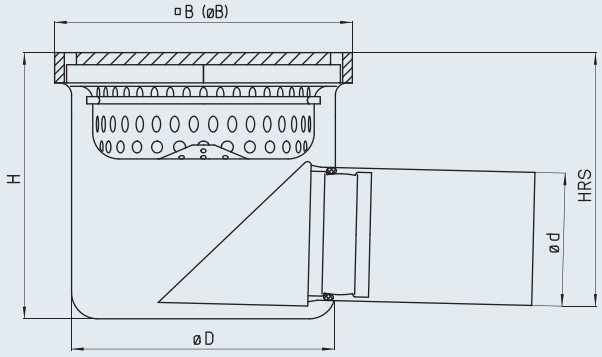
	Nominal width:	• DN 70	• DN 100	• DN 150	• DN 200		
	Grade:	• 1.4301 [AISI 304]		• 1.4571 [AISI 316 Ti] [1)]			
	Cover:	• Plate cover, M125, 10 mm • Grating MW25 Support rod / 25/2RH		• Bar grate cover, M125 • Grating MW25 Support rod 25/3RH		• Plate cover, 5 mm • Grating MW25 Support rod 25/4RH	• Plate cover, 3 mm • Non-slip plate cover, M125 • Non-slip cover, L15
	Inlet rim:	• square		• round			
Optional	Flange variants:	• Bonding flange • Bonding flange, perforated		• Adhesive flange, t = 1.5 mm • Clambing flange, t =1.5 mm		• Clambing flange according to DIN 18534-2, t = 6 mm • Support flange	
	Silt box:	• Sieve plate	• Flat cage	• Flat cage	• Flat cage		

We will be pleased to provide a description for specific objects for use in tenders.

[1)] If grade 1.4571 is used (AISI 316Ti) some components may be made of grade 1.4404 (AISI 316) for construction reasons [2)] for other covers and explanations see the page on cover variants [4)] For explanations see page on flange variants

Industrial floor drain – single-part DRS-W

DRSK-W – horizontal

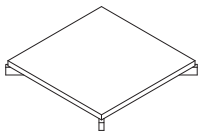


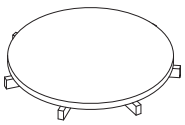
B = W
HV = HA

Model	DN	Ø d [mm]	⊠ W [mm]	Ø W [mm]	Ø D [mm]	H [mm]	HRS [mm]	Silt box volume [l]	Flow rate [l/s]
DRS-070-E-W	70	75	180	-	153	185	167	0.5	> 1.5
DRS-070-RD-W	70	75	-	196	153	185	167	0.5	> 1.5
DRS-100-E-W	100	110	246	-	218	220	209	1.5	> 2.8
DRS-100-RD-W	100	110	-	270	218	220	209	1.5	> 2.8
DRS-150-E-W	150	160	310	-	283	290	274	2.75	> 8.2
DRS-150-RD-W	150	160	-	331	283	290	274	2.75	> 8.2
DRS-200-E-W	200	200	410	-	356	541	425	6	> 12.5
DRS-200-RD-W	200	200	-	410	356	541	425	6	> 12.5
DRSK-100-E-W [17)]	100	110	200	-	183	210	185	0.65	> 2.8
DRSK-100-RD-W [17)]	100	110	-	235	183	210	185	0.65	> 2.8

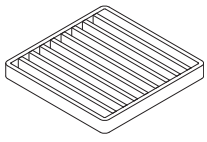
Cover variants[2)]

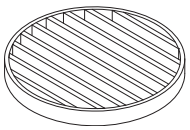
- Plate cover, M125, 10 mm



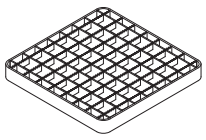


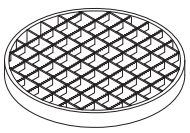
- Bar grate cover, M125





- Grating





- Plate 5 mm, not illustrated
- Plate cover 3 mm, hole ø 8 mm, not illustrated

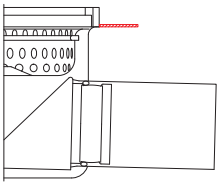
Inlet rim

- square
- round

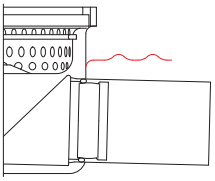
Grade

- 1.4301 (AISI 304)
- 1.4571 (AISI 316 Ti)[1)]

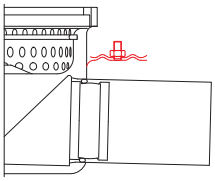
Flange variants (optional)[4)]



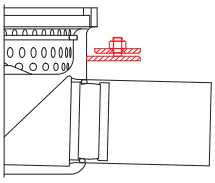
HF
Bonding flange
HFLALO
Bonding flange, perforated



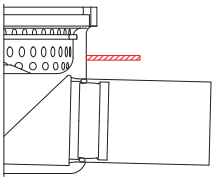
KBF
Adhesive flange
with soakage pits



KMF
Clambing flange
with soakage pits



FDIN
Clambing flange
according to DIN 18534-2
with soakage pits



TGF
Support flange

Description for use in tenders

Industrial floor drain, single-part, Model DRS, according to EN 1253. Inlet rim solid 25 x 8 mm. To achieve a high self-cleansing effect, the bottom of the housing has large and deep-drawn inside radius. Stainless steel plug-in air trap and perforated silt box. Horizontal outlet. Surface grain blasted/pickled.

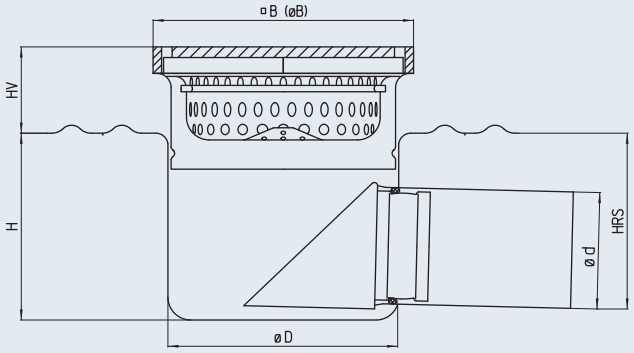
Nominal width:	• DN 70 • DN 100	• DN 150 • DN 200		
Grade:	• 1.4301 [AISI 304]	• 1.4571 [AISI 316 Ti] [1)]		
Cover:	• Plate cover, M125, 10 mm • Grating MW25 Support rod / 25/2RH	• Bar grate cover, M125 • Grating MW25 Support rod 25/3RH	• Plate cover, 5 mm • Grating MW25 Support rod 25/4RH	• Plate cover, 3 mm • Non-slip plate cover, M125 • Non-slip cover, L15
Inlet rim:	• square	• round		
Flange variants:	• Bonding flange • Bonding flange, perforated	• Adhesive flange, t = 1.5 mm • Clambing flange, t =1.5 mm	• Clambing flange according to DIN 18534-2, t = 6 mm • Support flange	
Silt box:	• with overflow silts			

Optional

We will be pleased to provide a description for specific objects for use in tenders.

[1)] If grade 1.4571 is used (AISI 316Ti) some components may be made of grade 1.4404 (AISI 316) for construction reasons [2)] for other covers and explanations see the page on cover variants [4)] For explanations see page on flange variants [17)] Not all options available

Industrial floor drain – two-part H-W HK-W – horizontal

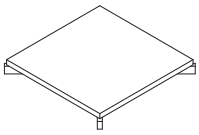


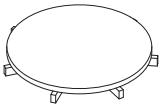
B = W
HV = HA

Model	DN	Ø d [mm]	W [mm]	Ø W [mm]	Ø D [mm]	H [mm]	HV [mm]	HRS [mm]	Silt box volume [l]	Flow rate [l/s]	H (AR) mm
H-070-E-W	70	75	180	-	153	160	60-80	142	0.5	> 1.5	160
H-070-RD-W	70	75	-	196	153	160	60-80	142	0.5	> 1.5	160
H-100-E-W	100	110	246	-	218	178	60-80	167	1.5	> 2.8	195
H-100-RD-W	100	110	-	270	218	178	60-80	167	1.5	> 2.8	195
H-150-E-W	150	160	310	-	283	233	60-80	217	2.75	> 8.2	265
H-150-RD-W	150	160	-	331	283	233	60-80	217	2.75	> 8.2	265
HK-100-E-W[17)]	100	110	200	-	190	189	60-80	164	0.65	> 2.8	192,5
HK-100-RD-W[17)]	100	110	-	235	190	189	60-80	164	0.65	> 2.8	192,5

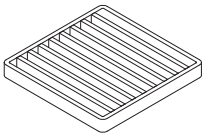
Cover variants[2)]

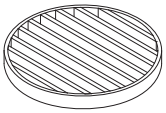
- Plate cover, M125, 10 mm



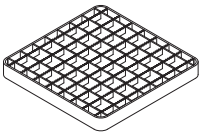


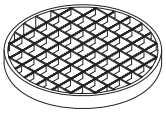
- Bar grate cover, M125





- Grating





- Plate cover 3 mm, hole ø 8 mm, not illustrated
- Plate cover 5 mm, not illustrated

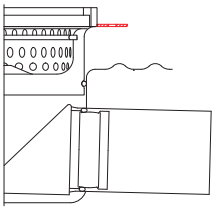
Inlet rim

- square
- round

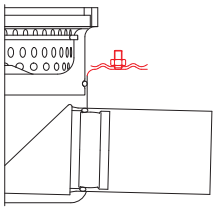
Grade

- 1.4301 (AISI 304)
- 1.4571 (AISI 316 Ti)[1)]

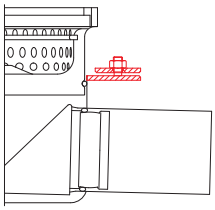
Flange variants (optional)[4)]



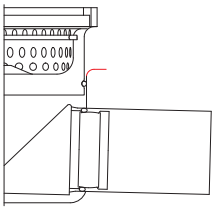
HF
Bonding flange
HFLALO
Bonding flange, perforated



KMF
Clambing flange



FDIN
Clambing flange
according to DIN 18534-2



AR[14)]
Attachment edge

Description for use in tenders

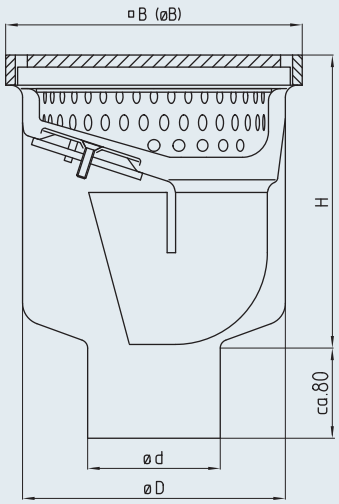
Adjustable height industrial floor drain, two-part, Model H, according to EN 1253. Infinitely variable height and twist adjustment of attachment piece, without sealing ring. Inlet rim solid 25 x 8 mm, adhesive flange on bottom of floor inlet. To achieve a high self-cleansing effect, the bottom of the housing has large and deep-drawn inside radius. Stainless steel plug-in air trap and perforated silt box. Horizontal outlet. Surface grain blasted/pickled.

	Nominal width:	• DN 70	• DN 100	• DN 150	
	Grade:	• 1.4301 [AISI 304]		• 1.4571 [AISI 316 Ti] [1)]	
	Cover:	• Plate cover, M125, 10 mm • Grating MW25 Support rod / 25/2RH		• Bar grate cover, M125 • Grating MW25 Support rod 25/3RH	• Plate cover, 5 mm • Grating MW25 Support rod 25/4RH • Plate cover, 3 mm • Non-slip plate cover, M125 • Non-slip cover, L15
	Inlet rim:	• square		• round	
	Height adjustment:	• 60 – 80 mm		• 80 – 100 mm	• ..... mm
Optional	Flange variants:	• Bonding flange • Bonding flange, perforated		• Clambing flange according to DIN 18534-2, t = 6 mm • Support flange	• Attachment edge
Optional	Silt box:	• with overflow slits			
Optional	Sealing ring:	• with sealing ring (i.e. without secondary drainage)			

We will be pleased to provide a description for specific objects for use in tenders.

[1)] If grade 1.4571 is used (AISI 316Ti) some components may be made of grade 1.4404 (AISI 316) for construction reasons [2)] for other covers and explanations see the page on cover variants [4)] For explanations see page on flange variants [14)] H dimension change [17)] Not all options available

Industrial floor drain – single-part DRS-OPTI-S – vertical

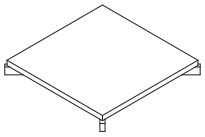


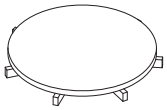
B = W
HV = HA
ca. = approx.

Model	DN	Ø d [mm]	☒ W [mm]	Ø W [mm]	Ø D [mm]	H [mm]	Silt box volume [l]	Flow rate [l/s]
DRS-OPTI-100-E-S	100	110	246	-	218	245	1.4	> 2.8
DRS-OPTI-100-RD-S	100	110	-	270	218	245	1.4	> 2.8

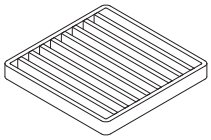
Cover variants[2)]

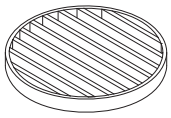
- Plate cover, M125, 10 mm



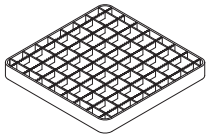


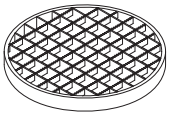
- Bar grate cover, M125



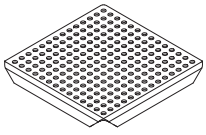


- Grating





- Plate cover 3 mm, hole ø 8 mm



- Plate 5 mm, not illustrated

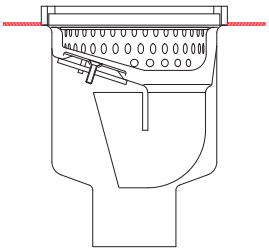
Inlet rim

- square
- round

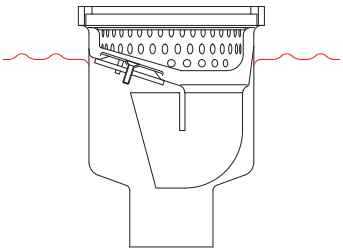
Grade

- 1.4301 (AISI 304)
- 1.4571 (AISI 316 Ti)[1)]

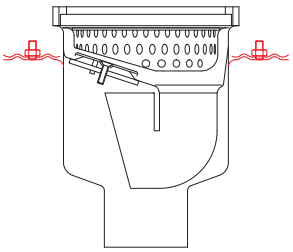
Flange variants (optional)[4)]



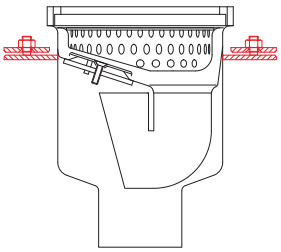
HF
Bonding flange
HFLALO
Bonding flange, perforated



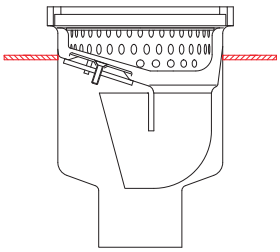
KBF
Adhesive flange
with soakage pits



KMF
Clambing flange
with soakage pits



FDIN
Clambing flange
according to DIN 18534-2
with soakage pits



TGF
Support flange

Description for use in tenders

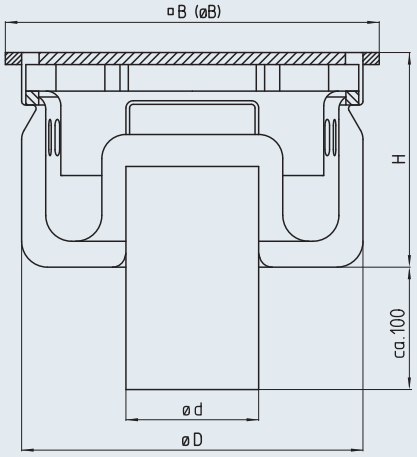
Industrial floor drain, single-part, Model DRS-OPTI, flow-optimised hygiene construction, according to EN 1253. Inlet rim solid 25 x 8 mm. The flow-optimised U-shaped air trap results in a high dirt removal rate while only requiring a small amount of fresh water. Perforated silt box in stainless steel. Vertical outlet accessible by means of inspection opening.
Surface grain blasted/pickled.

Nominal width:	• DN 100			
Grade:	• 1.4301 [AISI 304]	• 1.4571 [AISI 316 Ti] [1)]		
Cover:	• Plate cover, M125, 10 mm • Grating MW25 Support rod / 25/2RH	• Bar grate cover, M125 • Grating MW25 Support rod 25/3RH	• Plate cover, 5 mm • Grating MW25 Support rod 25/4RH	• Plate cover, 3 mm • Non-slip plate cover, M125 • Non-slip cover, L15
Inlet rim:	• square	• round		
Optional Flange variants:	• Bonding flange • Bonding flange, perforated	• Bonded flange, t = 1.5 mm • Clambing flange, t =1.5 mm	• Clambing flange according to DIN 18534-2, t = 6 mm • Support flange	
Inspection opening:	• without inspection opening			

We will be pleased to provide a description for specific objects for use in tenders.

[1)] If grade 1.4571 is used (AISI 316Ti) some components may be made of grade 1.4404 (AISI 316) for construction reasons [2)] for other covers and explanations see the page on cover variants [4)] For explanations see page on flange variants

Industrial floor drain – single-part 71-S – vertical

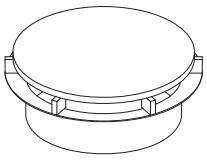


B = W
HV = HA

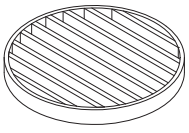
Model	DN	Ø d [mm]	▫ W [mm]	Ø W [mm]	Ø D [mm]	H [mm]	Silt box volume [l]	Flow rate [l/s]	
71-070-E-S	70	75	310	-	243	163	3.5	> 1.5	
71-070-RD-S	70	75	-	296	243	163	3.5	> 1.5	
71-100-E-S	100	110	310	-	283	178	4	> 2.8	
71-100-RD-S	100	110	-	296	283	178	4	> 2.8	
71-150-E-S	150	160	390	-	356	198	6	> 8.2	
71-150-RD-S	150	160	-	369	356	198	6	> 8.2	
71-200-E-S	200	200	520	-	483	233	12	> 12.5	
71-200-RD-S	200	200	-	499	483	233	12	> 12.5	

Covers variants[2)]

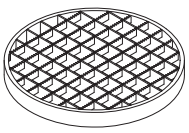
- Plate cover, M125, 10 mm

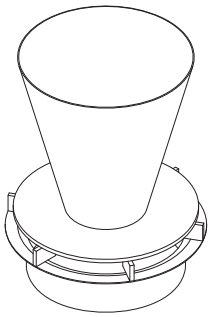


- Bar grate cover, M125

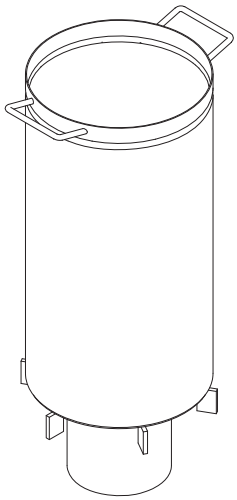


- Grating





- Funnel (tundish)[5)]



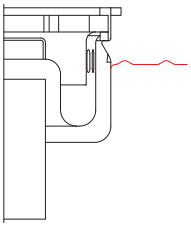
Inlet rim

- square
- round

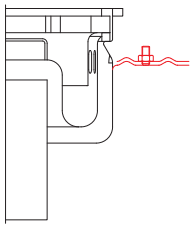
Grade

- 1.4301 (AISI 304)
- 1.4571 (AISI 316 Ti)[1)]

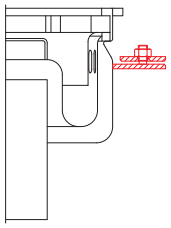
Flange variants (optional)[4]



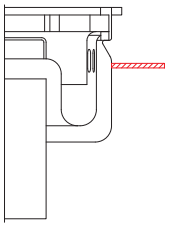
KBF
Adhesive flange



KMF
Clambing flange

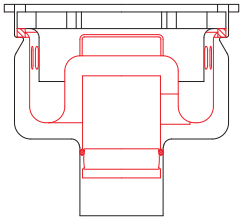


FDIN
Clambing flange
according to DIN 18534-2

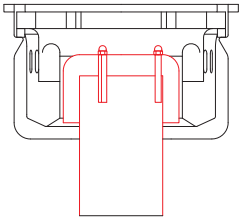


TGF
Support flange

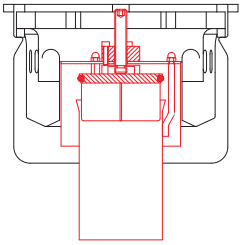
Supplementary equipment (optional)



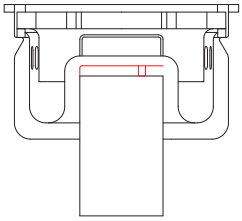
GVS
Air trap
plug-in



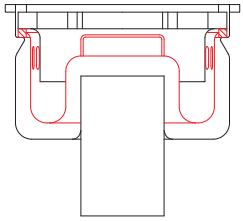
GVV
Air trap, bolted



AS[14]
Air trap
lockable



SBV Sieve plate, bolted
SBS Sieve plate, plug-in
SBE Sieve plate, welded



BS[3]
Fire protection

Description for use in tenders

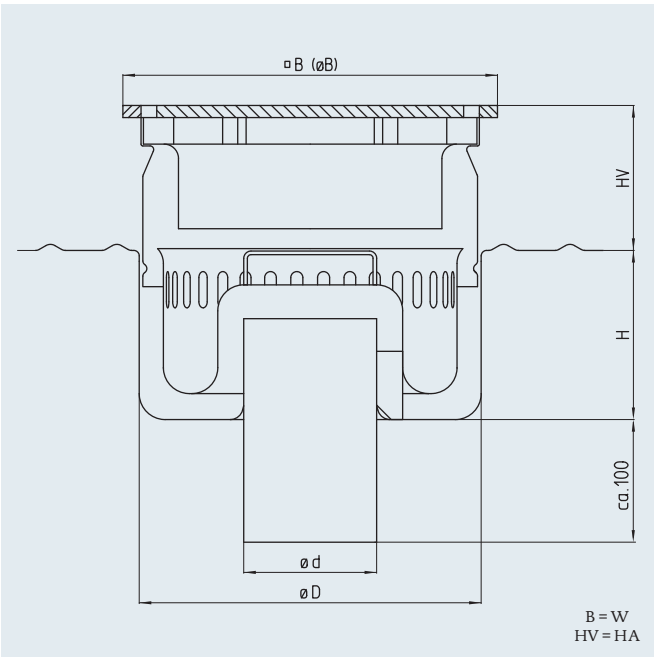
Industrial floor drain, single-part, Model 71, according to EN 1253. Stable solid inlet rim. Completeness check by sinking the cover when there is no silt box and air trap. To achieve a high self-cleansing effect, the bottom of the housing has large and deep-drawn inside radius, the well thought-out inlet rim has NO corners where dirt can collect. Large combined stainless steel silt box and air trap without sealing ring. Vertical outlet. Surface grain blasted/pickled.

Nominal width:	• DN 70 • DN 100	• DN 150 • DN 200		
Grade:	• 1.4301 [AISI 304]	• 1.4571 [AISI 316 Ti] [1]		
Cover:	• Plate cover, M125 • Grating MW25 Support rod 25/2RH	• Bar grate cover, M125 • Grating MW25 Support rod 25/3RH	• Funnel cover [5] • Grating MW25 Support rod 25/4RH	• Non-slip plate cover, M125
Inlet rim:	• square	• round		
Optional				
Flange variants:	• Bonded flange, t = 1.5 mm • Clambing flange, t =1.5 mm		• Clambing flange according to DIN 18534-2, t = 6 mm • Support flange	
Silt box & Air trap:	• Combined silt box with air trap, plug-in • Air trap, bolted – Silt box, removable		• Welded standpipe, lockable with mandril silt box and air trap, separate	
Fire protection:	• R90 • R120			

We will be pleased to provide a description for specific objects for use in tenders.

[1] If grade 1.4571 is used (AISI 316Ti) some components may be made of grade 1.4404 (AISI 316) for construction reasons [2] for other covers and explanations see the page on cover variants [3] Installation conditions for fire protection on request [4] For explanations see page on flange variants [5] See page on funnel covers [14] H dimension change

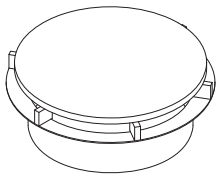
Industrial floor drain – two-part 79-S – vertical

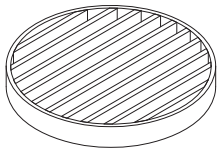


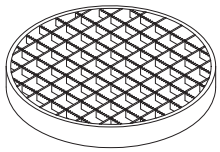
Model	DN	Ø d [mm]	⧄ W [mm]	Ø W [mm]	Ø D [mm]	H [mm]	HV [mm]	Silt box volume [l]	Flow rate [l/s]
79-070-E-S	70	75	310	-	243	133	40-120	2.2	> 1.5
79-070-RD-S	70	75	-	296	243	133	40-120	2.2	> 1.5
79-100-E-S	100	110	310	-	283	140	40-120	4.2	> 2.8
79-100-RD-S	100	110	-	299	283	140	40-120	4.2	> 2.8
79- 150-E-S	150	160	390	-	361	161	40-120	5.6	> 8.2
79-150-RD-S	150	160	-	372	361	161	40-120	5.6	> 8.2

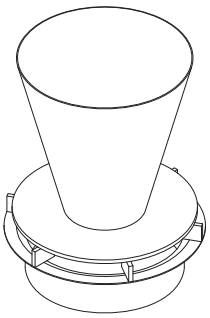
Cover variants[2)]

- Plate cover, M125, 10 mm
- Bar grate cover, M125
- Grating

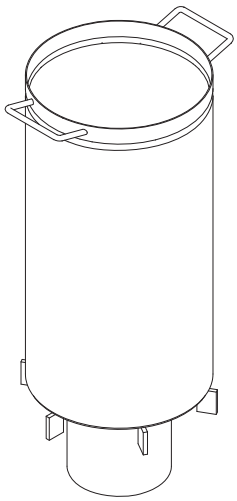








- Funnel (tundish)[5)]



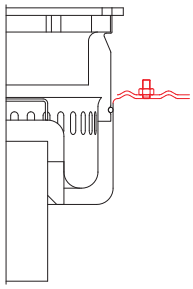
Inlet rim

- square
- round

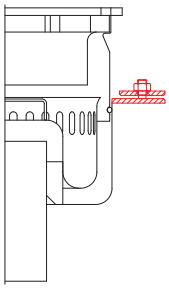
Grade

- 1.4301 (AISI 304)
- 1.4571 (AISI 316 Ti)[1)]

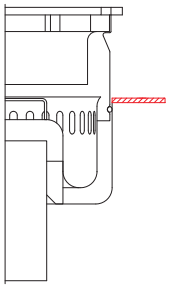
Flange variants (optional)[4)]



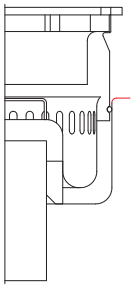
KMF
Clambing flange



FDIN
Clambing flange according to DIN 18534-2

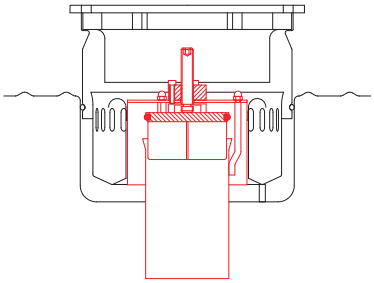


TGF
Support flange

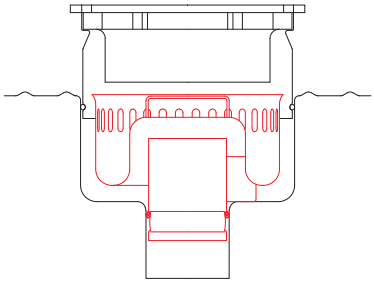


AR[14)]
Attachment edge

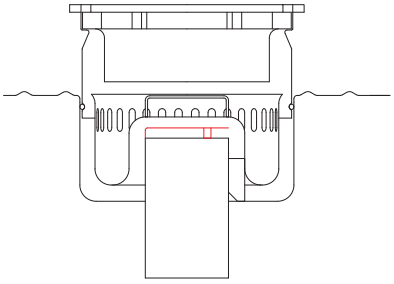
Supplementary equipment (optional)



AS[15)]
Air trap
lockable



GVs
Air trap, plug-in



SBV Sieve plate, bolted
SBS Sieve plate, plug-in
SBE Sieve plate, welded

Description for use in tenders

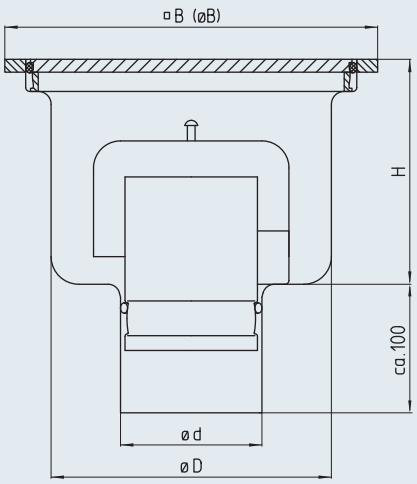
Adjustable height industrial floor drain, two-part, Model 79, according to EN 1253. Stable, solid inlet rim, adhesive flange on bottom of floor inlet. Infinitely variable height and twist adjustment of attachment piece, without sealing ring. To achieve a high self-cleansing effect, the bottom of the housing has large and deep-drawn inside radius. The well thought-out inlet rim has NO corners for collecting dirt. Large combined stainless steel silt box and air trap without sealing ring. Vertical outlet. Surface grain blasted/pickled.

Nominal width:	• DN 70 • DN 100	• DN 150		
Grade:	• 1.4301 [AISI 304]	• 1.4571 [AISI 316 Ti] [1)]		
Cover:	• Plate cover, M125 • Grating MW25 Support rod 25/2RH	• Bar grate cover, M125 • Grating MW25 Support rod 25/3RH	• Funnel cover [5)] • Grating MW25 Support rod 25/4RH	• Non-slip plate cover, M125
Inlet rim:	• square	• round		
Height adjustment:	• 40 – 140 mm		• ..... mm	
Optional				
Flange variants:	• Clambing flange, t =1.5 mm • Clambing flange according to DIN 18534-2, t = 6 mm		• Support flange • Attachment edge	
Silt box & Air trap, Combination:	• Combined silt box and air trap, plug-in • Silt box with air trap, bolted		• welded standpipe, lockable with mandril ,	
Sealing ring:	• with sealing ring (i.e. without secondary drainage)			

We will be pleased to provide a description for specific objects for use in tenders.

[1)] If grade 1.4571 is used (AISI 316Ti) some components may be made of grade 1.4404 (AISI 316) for construction reasons [2)] for other covers and explanations see the page on cover variants [3)] Installation conditions for fire protection on request [4)] For explanations see page on flange variants [5)] See page on funnel covers [14)] H dimension change [15)] Sealing ring recommended due to risk of flow back

Hygiene floor drain – single-part 91-S – vertical

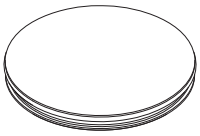


B = W
HV = HA

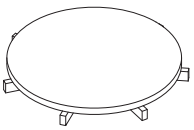
Model	DN	Ø d [mm]	▫ W [mm]	Ø W [mm]	Ø D [mm]	H [mm]	Silt box volume [l]	Flow rate [l/s]	
91-070-E-S	70	75	290	-	218	153	-	> 1.5	
91-070-RD-S	70	75	-	257	218	153	-	> 1.5	
91-100-E-S	100	110	290	-	218	175	-	> 2.8	
91-100-RD-S	100	110	-	257	218	175	-	> 2.8	

Cover variants

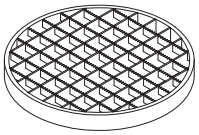
- Plate cover with saeling ring, M125



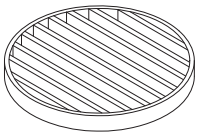
- Plate cover, M125



- Grating



- Bar grate cover, M125



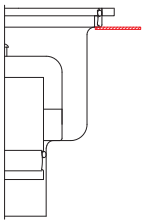
Inlet rim

- square
- round

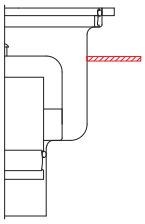
Grade

- 1.4301 (AISI 304)
- 1.4571 (AISI 3 16 Ti)[1)]

Flange variants (optional)[4)]



HF
Bonding flange
HFLALO
Bonding flange, perforated



TGF
Support flange

Description for use in tenders

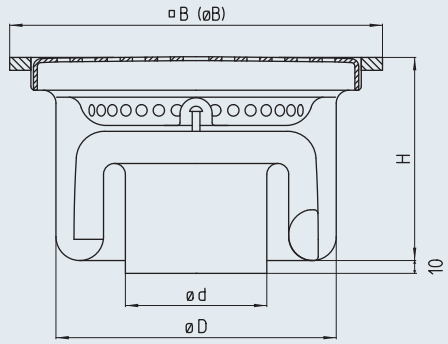
Hygiene floor drain, single-part, Model 91, according to EN 1253. Plate cover with sealing ring, small clearance between cover plate and inlet rim, water (Class Wt) and smell-tight (Class Ot) [test pressure = 5 mbar] according to EN 1253-4.
To achieve a high self-cleansing effect, the bottom of the housing has large and deep-drawn inside radius. Stainless steel plug-in air trap. Vertical outlet. Surface grain blasted/pickled.

Nominal width:	• DN 70	• DN 100		
Grade:	• 1.4301 [AISI 304]	• 1.4571 [AISI 316 Ti] [1)]		
Inlet rim:	• square	• round		
Optional				
Cover:	• Plate cover, M125 • Grating MW25 Support rod 25/2RH	• Bar grate cover, M125 • Grating MW25 Support rod 25/2RH	• Non-slip plate cover, M125 • Grating MW25 Support rod 25/2RH	• Non-slip cover, L15 • Plate cover with silicon seal, M125
Flange variants:	• Bonding flange	• Bonding flange, perforated	• Supportflange	
Air trap:	• Welded standpipe with screwed air trap			
Silt box:	• Flat cage			

We will be pleased to provide a description for specific objects for use in tenders.

[1)] If grade 1.4571 is used (AISI 316Ti) some components may be made of grade 1.4404 (AISI 316) for construction reasons [3)] Installation conditions for fire protection on request [4)] For explanations see page on flange variants

Industrial floor drain – single-part 2001-S – vertical

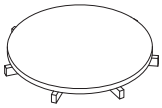


B = W
HV = HA

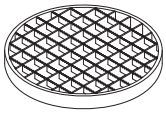
Model	DN	ø d [mm]	⊠ W [mm]	ø W [mm]	ø D [mm]	H [mm]	Silt box volume [l]	Flow rate [l/s]	
2001-100-E-S	100	110	290	-	218	158	0.5	> 2.8	
2001-100-RD-S	100	110	-	257	218	158	0.5	> 2.8	

Cover variants[2)]

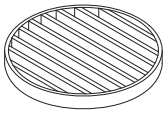
- Plate cover, M125



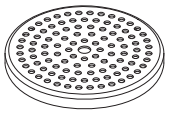
- Grating



- Bar grate cover, M125



- Plate cover 3 mm, hole ø 8 mm
- Plate 5 mm, not illustrated



Inlet rim

■ square ■ round

Grade

■ 1.4301 (AISI 304) ■ 1.4571 (AISI 316 Ti)[1)]

Description for use in tenders

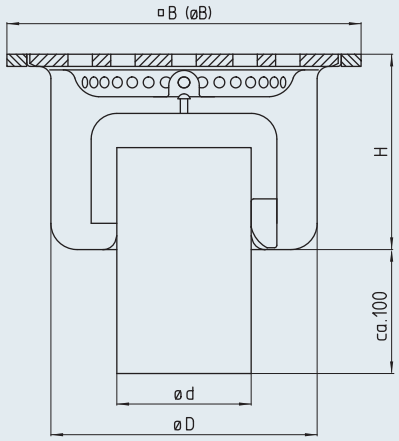
Industrial floor drain, single-part, Model 2001, according to EN 1253. Floor inlet nominal width 100 with very low installation height, with subsequent pipe bell located at the height of the water seal. To achieve a high self-cleansing effect, the bottom of the housing has large and deep-drawn inside radius. Welded standpipe with maintenance-free air trap in without sealing ring an flat cage in stainless steel. Vertical outlet. Surface grain blasted.

Grade:	• 1.4301 [AISI 304]	• 1.4571 [AISI 316 Ti] [1)]		
Cover:	• Plate cover, M125 • Grating MW25 Support rod 25/2RH	• Bar grate cover, M125 • Grating MW25 Support rod 25/3RH	• Plate cover, 5 mm • Grating MW25 Support rod 25/4RH	• Plate cover, 3 mm • Non-slip plate cover, M125 • Non-slip cover, L15
Inlet rim:	• square	• round		
Opt. Flange variants: [4)]	• Bonding flange	• Bonding flange, perforatedt		

We will be pleased to provide a description for specific objects for use in tenders.

[1)] If grade 1.4571 is used (AISI 316Ti) some components may be made of grade 1.4404 (AISI 316) for construction reasons [2)] for other covers and explanations see the page on cover variants [3)] Installation conditions for fire protection on request [4)] For explanations see page on flange variants

Industrial floor drain – single-part 97-S – vertical



Model	DN	Ø d [mm]	⊡ B [mm]	Ø B [mm]	Ø D [mm]	H [mm]	Silt box volume [l]	Flow rate [l/s]	Fire protection[3] optional
97-070-E-S	70	75	290	-	218	138	0.5	> 1.5	-
97-070-RD-S	70	75	-	257	218	138	0.5	> 1.5	-
97-100-E-S	100	110	290	-	218	160	0.5	> 2.8	R90
97-100-RD-S	100	110	-	257	218	160	0.5	> 2.8	R90

Inlet rim

■ square ■ round

Grade

■ 1.4301 (AISI 304) ■ 1.4571 (AISI 316 Ti)[1]

Description for use in tenders

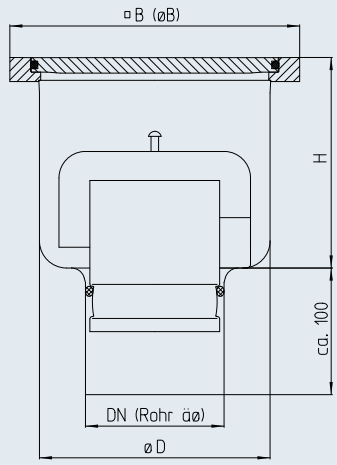
Industrial floor drain, single-part, Model 97, according to EN 1253. To achieve a high self-cleansing effect, the bottom of the housing has large and deep-drawn inside radius. Welded standpipe with maintenance-free air trap in without sealing ring an flat cage in stainless steel. Vertical outlet. Surface grain blasted/pickled.

Nominal width:	• DN 70	• DN 100
Grade:	• 1.4301 [AISI 304]	• 1.4571 [AISI 316 Ti] [1]
Cover:	• Plate cover with holes, M125	
Inlet rim:	• square	• round
Optional		
Silt box:	• without	
Fire protection:	• R90	

We will be pleased to provide a description for specific objects for use in tenders.

[1] If grade 1.4571 is used (AISI 316Ti) some components may be made of grade 1.4404 (AISI 316) for construction reasons [3] Installation conditions for fire protection on request

Hygiene floor drain – single-part 88N-S – vertical



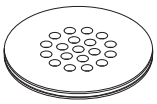
B = W
HV = HA

Model	DN	Ø d [mm]	⊠ W [mm]	Ø W [mm]	Ø D [mm]	H [mm]	Silt box volume [l]	Flow rate [l/s]
88N-070-E-S	70	75	230	-	183	167	-	> 1.5
88N-070-RD-S	70	75	-	235	183	167	-	> 1.5
88N-100-E-S	100	110	230	-	183	167	-	> 2.8
88N-100-RD-S	100	110	-	235	183	167	-	> 2.8

Cover variants

- Plate cover with sealing ring, M125

- Plate cover with holes, M125



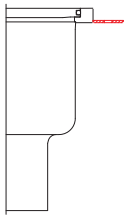
Inlet rim

- square
- round

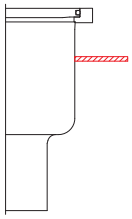
Grade

- 1.4301 (AISI 304)
- 1.4571 (AISI 316 Ti)[1)]

Flange variants (optional)[4)]

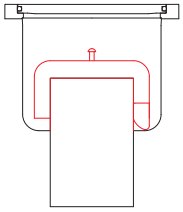


HF
Bonding flange
HFLALO
Bonding flange, perforated



TGF
Support flange

Supplementary equipment (optional)



GV
Air trap with
welded standpipe

Description for use in tenders

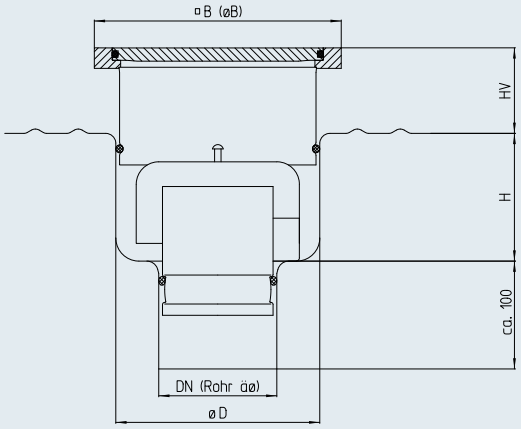
Hygiene floor drain, single-part, Model 88N, according to EN 1253. Inlet rim made of stable, solid material. Plate cover with O-ring gasket, smallest possible clearance between cover plate and inlet rim, water (Class Wt) and smell-tight (Class Ot) [test pressure = 5 mbar] according to EN 1253-4. To achieve a high level of self-cleansing, the bottom of the housing has large and deep-drawn inside radius. With air trap and vertical outlet. Surface grain blasted/pickled.

Nominal width:	• DN 70 • DN 100	
Grade:	• 1.4301 [AISI 304]	• 1.4571 [AISI 316 Ti] [1)]
Inlet rim:	• square	• round
Optional		
Cover:	• Plate cover with holes, M125	
Flange variants:	• Bonding flange	• Support flange
Air trap:	• with plug-in air trap • Welded standpipe with air trap • Removable standpipe with air trap	
Silt box:	• Perforated plate silt box	

We will be pleased to provide a description for specific objects for use in tenders.

[1)] If grade 1.4571 is used (AISI 316Ti) some components may be made of grade 1.4404 (AISI 316) for construction reasons [4)] For explanations see page on flange variants

Hygiene floor drain – 88N-S-HV – vertical



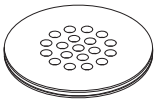
B = W
HV = HA

Model	DN	Ø d [mm]	☐ W [mm]	Ø W [mm]	Ø D [mm]	H [mm]	HV [mm]	Silt box volume [l]	Flow rate [l/s]
88N-070-E-S-HV	70	75	230	-	190	119	60-80	-	> 1.5
88N-070-RD-S-HV	70	75	-	235	190	119	60-80	-	> 1.5
88N-100-E-S-HV	100	110	230	-	190	119	60-80	-	> 2.8
88N-100-RD-S-HV	100	110	-	235	190	119	60-80	-	> 2.8

Cover variants[2)]

- Plate cover with sealing ring, M125

- Plate cover with holes, M125



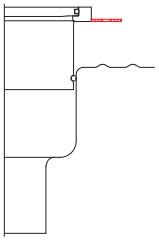
Inlet rim

- square
- round

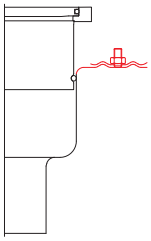
Grade

- 1.4301 (AISI 304)
- 1.4571 (AISI 316 Ti)[1)]

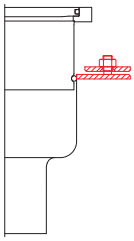
Flange variants (optional)[4)]



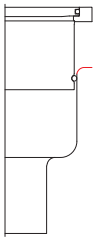
HF
Bonding flange
HFLALO
Bonding flange, perforated



KMF
Clambing flange

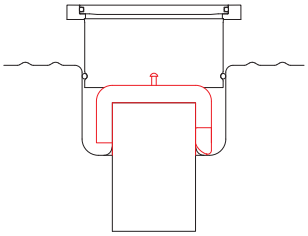


FDIN
Clambing flange according to DIN 18534-2



AR[14)]
Attachment edge

Supplementary equipment (optional)



GV
Air trap
with welded standpipe

Description for use in tenders

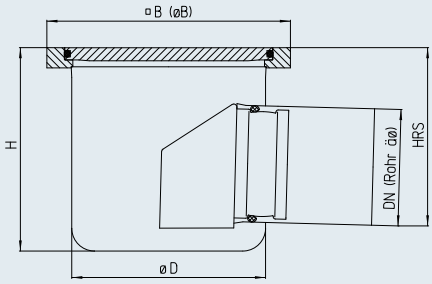
Adjustable height hygiene floor drain, two-part, Model 88N, according to EN 1253. Upper part can be infinitely adjusted and twisted, without sealing ring. Inlet rim made of stable, solid material. Bonding flange on bottom of floor inlet. Plate cover with O-ring gasket, smallest possible clearance between cover plate and inlet rim, water (Class Wt) and smell-tight (Class Ot) [test pressure = 5 mbar] according to EN 1253-4. To achieve a high self-cleansing effect, the bottom of the housing has large and deep-drawn inside radius. With air trap and vertical outlet. Surface grain blasted/pickled.

Nominal width:	• DN 70	• DN 100	
Grade:	• 1.4301 [AISI 304]	• 1.4571 [AISI 316 Ti] [1)]	
Inlet rim:	• square	• round	
Height adjustment:	• 60 – 80 mm	• 80 – 140 mm	• ..... mm
Optional			
Cover:	• Plate cover with holes, M125		
Flange variants:	• Bonding flange • Bonding flange, perforated	• Clambing flange, t = 1.5 mm • Clambing flange according to DIN 18534-2, t = 6 mm	• Attachment edge
Air trap:	• with plug-in air trap • Welded standpipe with air trap		
Sealing ring:	• with sealing ring (i.e. without secondary drainage)		
Silt box:	• Silt box		

We will be pleased to provide a description for specific objects for use in tenders.

[1)] If grade 1.4571 is used (AISI 316Ti) some components may be made of grade 1.4404 (AISI 316) for construction reasons. [2)] for other covers and explanations see the page on cover variants [4)] For explanations see page on flange variants [14)] H dimension change

Hygiene floor drain – single-part 88N-W – horizontal



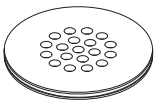
B = W
HV = HA

Model	DN	Ø d [mm]	⊠ W [mm]	Ø W [mm]	Ø D [mm]	H [mm]	HRS [mm]	Silt box volume [l]	Flow rate [l/s]
88N-070-E-W	70	75	230	-	183	167	148	-	> 1.5
88N-070-RD-W	70	75	-	235	183	167	148	-	> 1.5
88N-100-E-W	100	110	230	-	183	192	168	-	> 2.8
88N-100-RD-W	100	110	-	235	183	192	168	-	> 2.8

Cover variants[2)]

- Plate cover with sealing ring, M125

- Plate cover with holes, M125



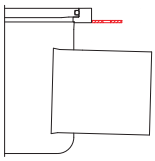
Inlet rim

- square
- round

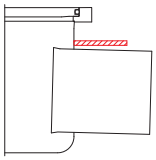
Grade

- 1.4301 (AISI 304)
- 1.4571 (AISI 316 Ti)[1)]

Flange variants (optional)[4)]



HF
Bonding flange
HFLALO
Bonding flange, perforated



TGF
Support flange

Supplementary equipment (optional)

Description for use in tenders

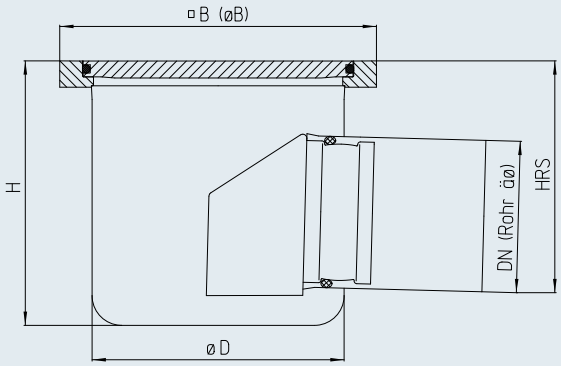
Hygiene floor drain, single-part, Model 88N, according to EN 1253. Inlet rim made of stable, solid material. Plate cover with O-ring gasket, smallest possible clearance between cover plate and inlet rim, water (Class Wt) and smell-tight (Class Ot) [test pressure = 5 mbar] according to EN 1253-4. To achieve a high self-cleansing effect, the bottom of the housing has large and deep-drawn inside radius. With air trap and horizontal outlet. Surface grain blasted/pickled.

	Nominal width:	• DN 70	• DN 100
	Grade:	• 1.4301 [AISI 304]	• 1.4571 [AISI 316 Ti] [1)]
	Inlet rim:	• square	• round
Optional	Cover:	• Plate cover with holes, M125	
Optional	Flange variants:	• Bonding flange • Bonding flange, perforated	• Support flange
Optional	Air trap:	• Plug-in air trap	
Optional	Silt box:	• Perforated plate silt box	

We will be pleased to provide a description for specific objects for use in tenders.

[1)] If grade 1.4571 is used (AISI 316Ti) some components may be made of grade 1.4404 (AISI 316) for construction reasons. [2)] For other covers and explanations see cover variants. [4)] For explanations see page on flange variants.

Hygiene floor drain – two-part 88N-W-HV – horizontal



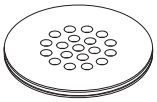
B = W
HV = HA

Model	DN	Ø d [mm]	☐ W [mm]	Ø W [mm]	Ø D [mm]	H [mm]	HV [mm]	HRS [mm]	Silt box volume [l]	Flow rate [l/s]
88N-070-E-W-HV	70	75	230	-	190	160	60-80	141	-	> 1.5
88N-070-RD-W-HV	70	75	-	235	190	160	60-80	141	-	> 1.5
88N-100-E-W-HV	100	110	230	-	190	189	60-80	164	-	> 2.8
88N-100-RD-W-HV	100	110	-	235	190	189	60-80	164	-	> 2.8

Cover variants[2)]

- Plate cover with sealing ring, M125

- Plate cover with holes, M125



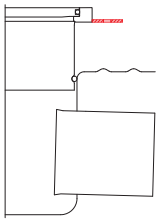
Inlet rim

- square
- round

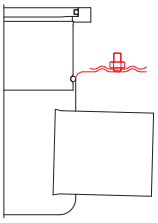
Grade

- 1.4301 (AISI 304)
- 1.4571 (AISI 316 Ti)[1)]

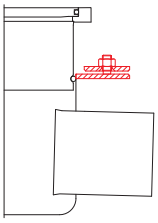
Flange variants (optional)[4)]



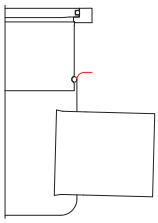
HF
Bonding flange
HFLALO
Bonding flange, perforated



KMF
Clambing flange



FDIN
Clambing flange according to DIN 18534-2



AR[14)]
Attachment edge

Supplementary equipment (optional)

Description for use in tenders

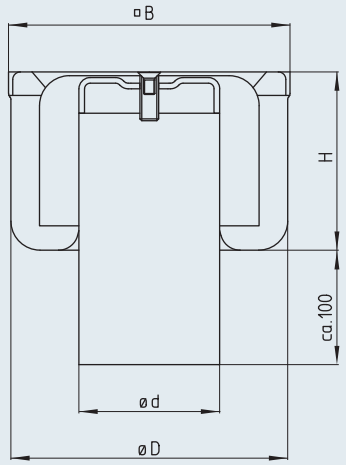
Adjustable height hygiene floor drain, two-part, Model 88N, according to EN 1253. Upper-part can be infinitely height adjusted and twisted, without sealing ring. Inlet rim made of stable, solid material. Plate cover with O-ring gasket, smallest possible clearance between cover plate and inlet rim. Water (Class Wt) and smell-tight (Class Ot) [test pressure = 5 mbar] according to EN 1253-4. To achieve a high self-cleansing effect, the bottom of the housing has large and deep-drawn inside radius. Without air trap and silt box. Horizontal drain neck. Surface grain blasted/pickled.

Nominal width:	• DN 70	• DN 100	
Grade:	• 1.4301 [AISI 304]	• 1.4571 [AISI 316 Ti] [1)]	
Inlet rim:	• square	• round	
Height adjustment:	• 60 – 80 mm	• 80 – 100 mm	• ..... mm
Optional			
Cover:	• Plate cover with holes, M125		
Flange variants:	• Bonding flange • Bonding flange, perforated	• Clambing flange, t = 1.5 mm • Clambing flange according to DIN 18534-2, t = 6 mm	• Attachment edge
Air trap:	• Plug-in air trap		
Silt box:	• Silt box		
Sealing ring:	• With sealing ring (i.e. without secondary drainage)		

We will be pleased to provide a description for specific objects for use in tenders.

[1)] If grade 1.4571 is used (AISI 316Ti) some components may be made of grade 1.4404 (AISI 316) for construction reasons [2)] for other covers and explanations see the page on cover variants [4)] For explanations see page on flange variants [14)] H dimension change

Sanitary drain – single-part SSK-E-S – vertical

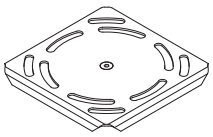


B = W
HV = HA

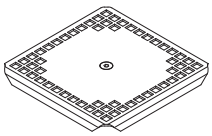
Model	DN	Ø d [mm]	⧈ W [mm]	Ø W [mm]	Ø D [mm]	H [mm]	Silt box volume [l]	Flow rate [l/s]
SSK-050-E-S	50	50	150	-	148	95	-	> 1.0
SSK-070-E-S	70	75	150	-	148	95	-	> 1.5
SSK-100-E-S	100	110	197	-	183	108	-	> 2.8

Cover variants

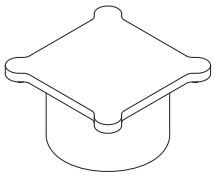
- Slit plate cover



- Perforated plate cover 8 x 8 mm



- Plate cover 10 mm



- Perforated plate cover ø 8 mm, not illustrated

Inlet rim

- square

Grade

- 1.4301 (AISI 304)
- 1.4571 (AISI 316 Ti)[1)]

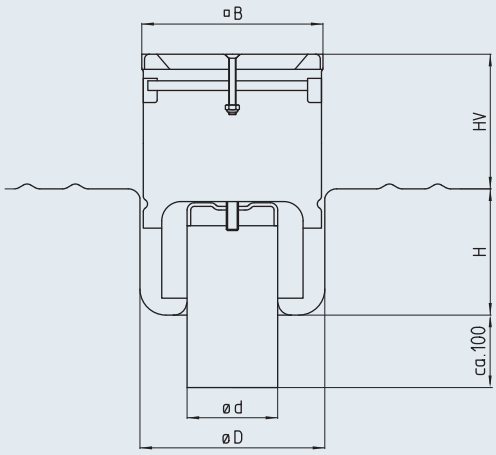
Description for use in tenders

Sanitary drain, single-part, Model SSK, according to EN 1253. Square inlet rim seamlessly formed to fit the housing. To achieve a high self-cleansing effect, the bottom of the housing has large and deep-drawn inside radius.
With screw-attached plate cover and air trap, stainless steel. Vertical outlet. Surface grain blasted.

Nominal width:	• DN 50	• DN 70	• DN 100	
Grade:	• 1.4301 [AISI 304]		• 1.4571 [AISI 316 Ti] [1)]	
Optional Cover:	• Slit plate cover screwed	• Perforated plate cover 8 x 8 mm screwed	• Perforated plate cover ø 8 mm screwed	• Plate 10 mm with air trap welded below

[1)] If grade 1.4571 is used (AISI 316Ti) some components may be made of grade 1.4404 (AISI 316) for construction reasons

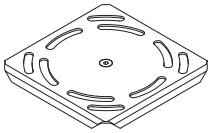
Sanitary drain – two-part SSK-E-S-HV – vertical



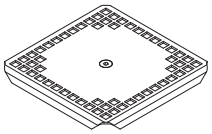
Model	DN	Ø d [mm]	☐ B [mm]	Ø B [mm]	Ø D [mm]	H [mm]	HV [mm]	Silt box volume [l]	Flow rate [l/s]
SSK-050-E-S-HV	50	50	150	-	153	106	60-110	-	> 1.0
SSK-070-E-S-HV	70	75	150	-	153	106	60-110	-	> 1.5
SSK-100-E-S-HV	100	110	197	-	190	119	60-110	-	> 2.8

Cover variants

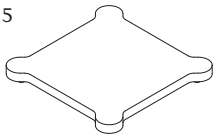
- Slit plate cover



- Perforated plate cover8 x 8 mm



- Plate cover 10 mm, L15



- Perforated plate cover ø 8 mm, not illustrated

Inlet rim

- square

Grade

- 1.4301 (AISI 304)
- 1.4571 (AISI 316 Ti)[1)]

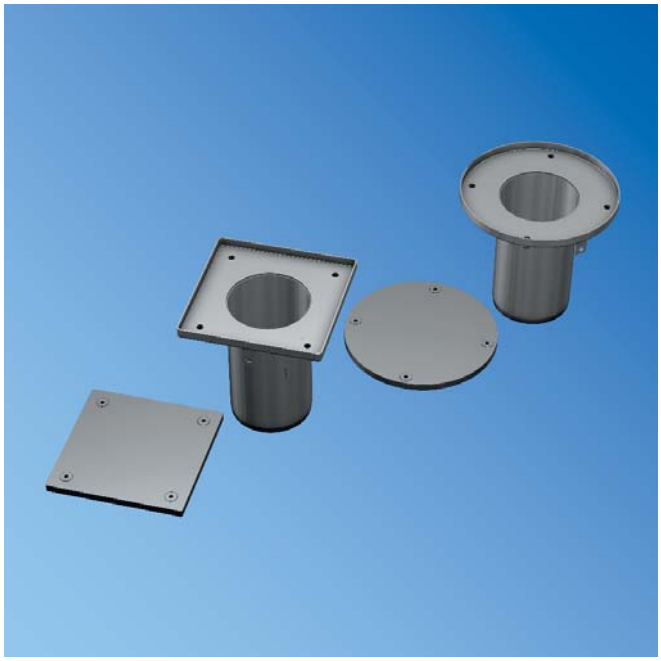
Description for use in tenders

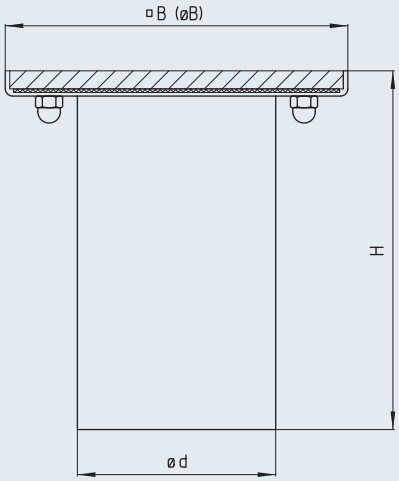
Adjustable-height sanitary drain, two-part, Model SSK, according to EN 1253. Upper-part can be infinitely height adjusted and twisted, without sealing ring. Square inlet rim has been seamlessly shaped to fit the housing. To achieve a high self-cleansing effect, the bottom of the housing has large and deep-drawn inside radius. With stainless steel screwed plate cover and air trap. Vertical outlet. Surface grain blasted/pickled.

Nominal width:	• DN 50	• DN 70	• DN 100	
Grade:	• 1.4301 [AISI 304]		• 1.4571 [AISI 316 Ti] [1)]	
Optional Cover:	• Slit plate cover screwed	• Perforated plate cover 8 x 8 mm screwed	• Perforated plate cover ø 8 mm with screwed	• Plate cover 10 mm with air trap welded below
Sealing ring:	• with sealing ring (i.e. without secondary drainage)			

[1)] If grade 1.4571 is used (AISI 316Ti) some components may be made of grade 1.4404 (AISI 316) for construction reasons

Revision opening – single-part REV-S



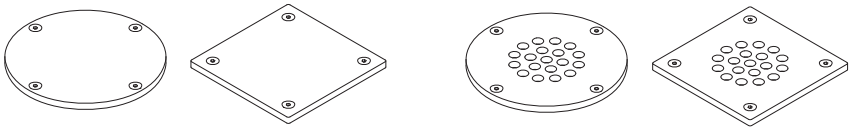


B = W
HV = HA

Model	DN	ø d [mm]	⊡ W [mm]	ø W [mm]	H [mm]	Silt box volume [l]	Flow rate [l/s]
REV-100-E-S	100	110	190	-	199	-	-
REV-100-RD-S	100	110	-	218	199	-	-
REV-125-E-S	125	125	190	-	204	-	-
REV-125-RD-S	125	125	-	218	204	-	-
REV-150-E-S	150	160	190	-	208	-	-
REV-150-RD-S	150	160	-	218	208	-	-

Cover variants[2)]

- Plate cover, M125 (tight closing)
- Plate cover, M125 (hole perforated)



Inlet rim

- square
- round

Grade

- 1.4301 (AISI 304)
- 1.4571 (AISI 316 Ti)[1)]

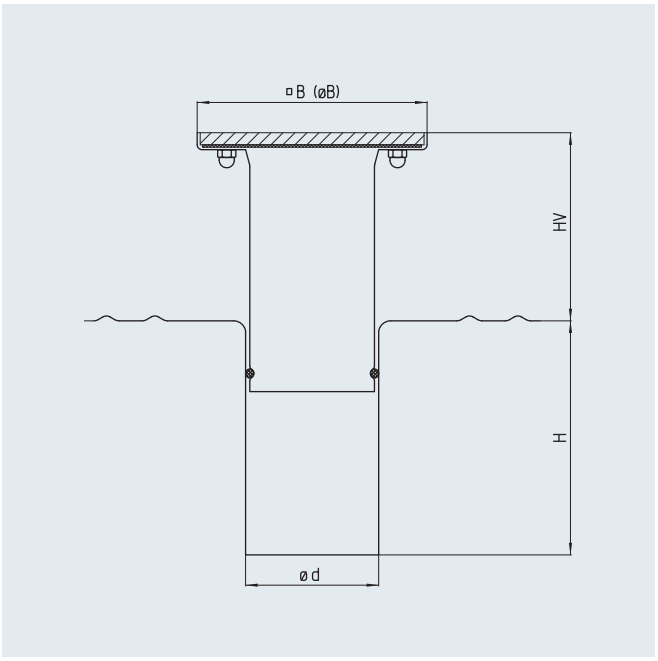
Description for use in tenders

Revision opening (Finor), single-part, Model REV, smell and watertight version. 10 mm plate cover incl. four drill holes with four counter-sunk screws, sealed using a flat seal in a recess on the inside. Vertical outlet without air trap. Surface grain blasted.

Nominal width:	• DN 100	• DN 125	• DN 150
Grade:	• 1.4301 [AISI 304]		• 1.4571 [AISI 316 Ti] [1)]
Inlet rim:	• square		• round

[1)] If grade 1.4571 is used (AISI 316Ti) some components may be made of grade 1.4404 (AISI 316) for construction reasons. [2)] for other covers and explanations see the page on cover variants

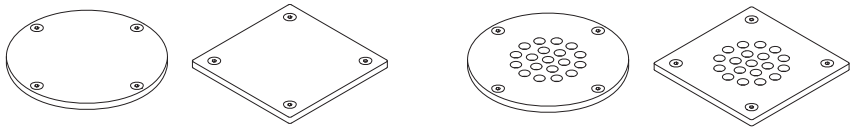
Revision opening – two-part REV-S-HV



Model	DN	Ø d [mm]	☐ B [mm]	Ø B [mm]	H [mm]	HV [mm]	Silt box volume [l]	Flow rate [l/s]
REV-100-E-S	100	110	190	-	195	30-180	-	-
REV-100-RD-S	100	110	-	218	195	30-180	-	-
REV-125-E-S	125	125	190	-	200	30-180	-	-
REV-125-RD-S	125	125	-	218	200	30-180	-	-
REV-150-E-S	150	160	190	-	204	30-180	-	-
REV-150-RD-S	150	160	-	218	204	30-180	-	-

Cover variants[2)]

- Plate cover, M125 (tight closing)
- Plate cover, M125 (hole perforated)



Inlet rim

- square
- round

Grade

- 1.4301 (AISI 304)
- 1.4571 (AISI 316 Ti)[1)]

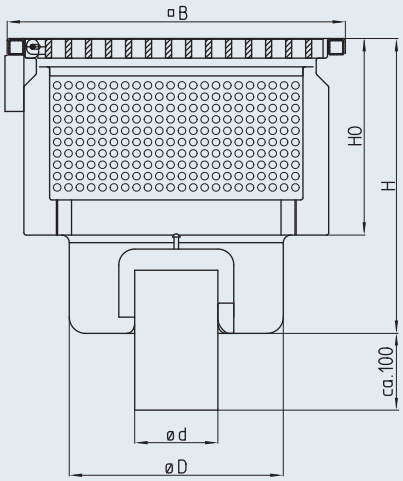
Description for use in tenders

Adjustable revision opening (Finor), two-part, Model REV-HV, with infinitely adjustable height and twist upper-part with sealing ring. 10 mm plate cover, incl. four drill holes with four counter-sunk screws, sealed using a flat seal in a recess on the inside. Smell and watertight. Vertical outlet without air trap. Surface grain blasted/pickled.

Nominal width:	• DN 100	• DN 125	• DN 150
Grade:	• 1.4301 [AISI 304]		• 1.4571 [AISI 316 Ti] [1)]
Inlet rim:	• square		• round

[1)] If grade 1.4571 is used (AISI 316Ti) some components may be made of grade 1.4404 (AISI 316) for construction reasons. [2)] for other covers and explanations see the page on cover variants

Industrial floor drain – single-part 75-E-S – vertical



B = W
HV = HA

Model	DN	Ø d [mm]	⧄ W [mm]	Ø D [mm]	HO [mm]	H [mm]	Silt box volume [l]	Flow rate [l/s]
75-400-100-E-S	100	110	447	283	260	400	19	> 2.8
75-400-150-E-S	150	160	447	283	260	400	19	> 8.2
75-600-200-E-S	200	200	647	356	260	400	49	> 12.5

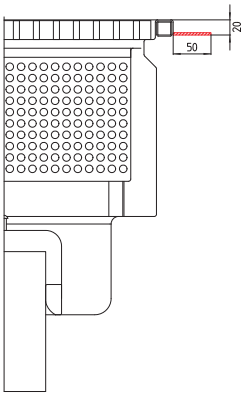
Inlet rim

- square

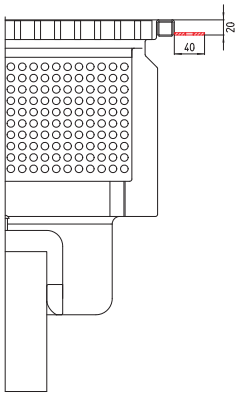
Grade

- 1.4301 (AISI 304)
- 1.4571 (AISI 316 Ti)[1)]

Flange variants (optional)[4)]

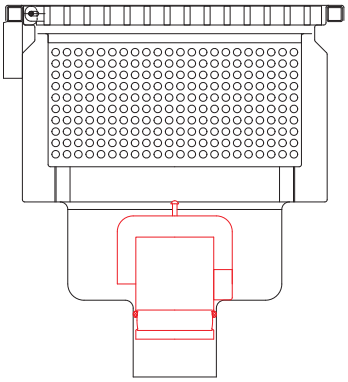


HF
Bonding flange

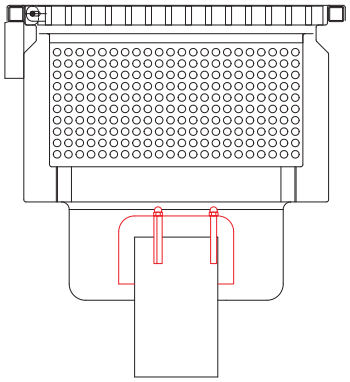


HFLALO
Bonding flange, perforated

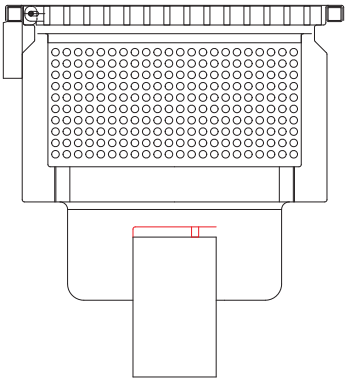
Supplementary equipment (optional)



GVS
Air trap
plug-in



GVV
Air trap, bolted



SBV Sieve plate, bolted
SBS Sieve plate, plug-in
SBE Sieve plate, welded

Description for use in tenders

Industrial large-size drain, single-part, Model 75, according to EN 1253. Edge protection reinforced by internal welded square profiles. The grate rest has been hygienically bonded with the side walls on all sides. With lower lying air trap, large perforated plate silt box and a folding, lockable stainless steel bar grade cover. Vertical outlet. Surface grain blasted/pickled.

	Nominal width:	• DN 100	• DN 150	• DN 200
	Grade:	• 1.4301 [AISI 304]	• 1.4571 [AISI 316 Ti] [1)]	
Optional	Flange variants:	• Bonding flange	• Bonding flange, perforated	
Optional	Air trap:	• With plug-in air trap • Welded standpipe with boltedt air trap		• Removable standpipe with air trap

We will be pleased to provide a description for specific objects for use in tenders.

[1)] If grade 1.4571 is used (AISI 316Ti) some components may be made of grade 1.4404 (AISI 316) for construction reasons

Cover variants

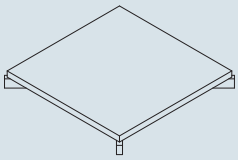
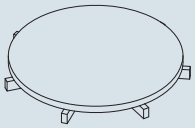
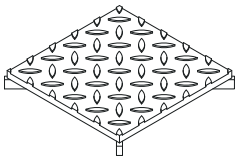
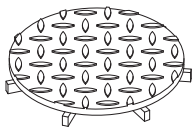
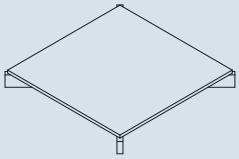
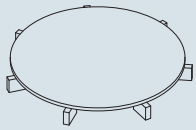



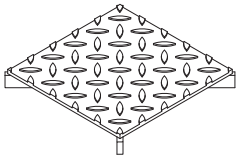
Plate cover M125 **P**
Standard cover, capable of bearing heavy forklift operations. With 10 mm sheet thickness and reinforced with bracing welded underneath.

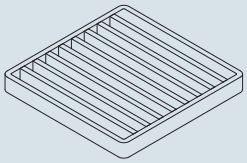
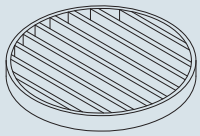
Anti-slip plate cover M125 **PTÄ / 10**
As standard, but with a raised anti-slip surface.

Slab cover L15 **P/5**
Capable of bearing light traffic, with 5 mm sheet thickness and reinforced with bracing welded underneath.




Anti-slip cover L15 **PTÄ / 5**
Capable of bearing light traffic, with 5 mm sheet thickness and reinforced with bracing welded underneath, and a raised anti-slip surface.

Bar grate M125 **SR**
Capable of bearing heavy forklift operations, made of 8 mm support rods, clearance 18 mm. The waste water can drain better and faster through the bars.

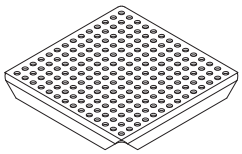
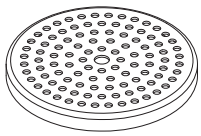
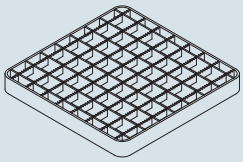
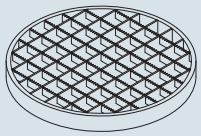



Plate cover K3 **B**
Cover can be walked on, suitable for barefoot areas. Sheet thickness 3 mm.

Grating L15 **GR**
Capable of bearing light traffic, mesh size 25 x 25 mm, Support rods in 2, 3 or 4 mm and if desired also available as non-slip (RH) variant.

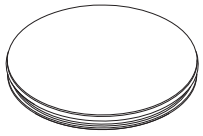
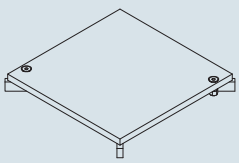
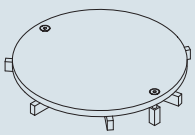
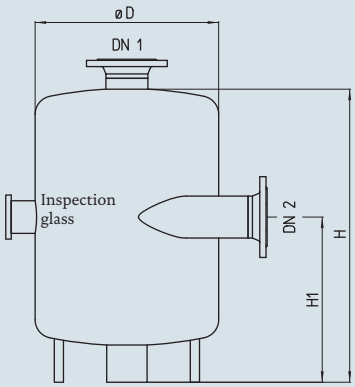


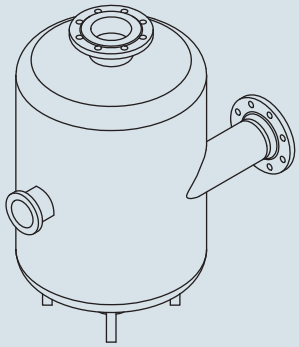
Plate cover with sealing ring **PRD, POD, PSD**
Housing with round cover which should be closed. Can be fitted with covers and O-ring gasket (PRD) (Models DR, DRS, H and 71), O-ring gasket (POD) (Model 88N) or silicon seal (PSD) (Model 91). All these covers are water-tight (Class Wt) and smell-tight (Class Ot) [water pressure > 5mbar] according to EN 1253-4.

Cover with screw connection **V**
We can also supply plate covers, bar grates and Gratings with screw connections to prevent unauthorised removal.

Absorber





Absorber ZYA

Absorber for discharge of pressure drained, hot exhaust quantities. Of cylindrical construction, with a lateral, tangential intake, a connection for vapour exhaust, and an outlet. It has an integrated air trap, and the inspection glass can be removed for inspection purposes. Surface grain blasted.

B = W
HV = HA

Description for use in tenders

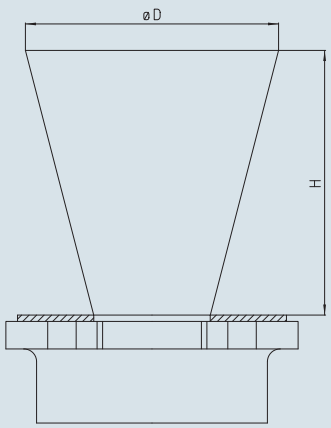
Absorber, Model ZYA, cylinder shape, with a lateral, tangential intake, a connection for vapour exhaust, and an outlet. It has an integrated air trap and the inspection glass can be removed for inspection purposes. Surface grain blasted.

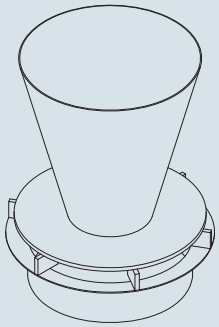
Dimensions:	Ø D = ... mm		H = ... mm	H1 = ... mm
Nominal width DN 1:	• DN 100	• DN 150	• DN 200	• DN 250
Nominal width DN 2:	• DN 50	• DN 70	• DN 100	• DN 150
Grade:	• •1.4301 [AISI 304]		• 1.4571 [AISI 316 Ti] [1)]	
Lateral connection piece:	• DN 50	• DN 70	• DN 100	• DN 150
Other Optionen:	•without inspection glass		• without vapour exhaust	

We will be pleased to provide a description for specific objects for use in tenders.

[1)] If grade 1.4571 is used (AISI 316Ti) some components may be made of grade 1.4404 (AISI 316) for construction reasons

Cover variants





Funnel (tundish) TRKN

For draining several smaller extensions (machine drainage). Standard version with normal floor drainage (TRKN).
This means the floor can also be drained. We can also supply a small floor drain (TRKG). This denotes a small inlet slit (circumferentially 1.5 mm) available for floor drainage.

B = W
HV = HA

Model	Suitable for floor inlet	Ø D1 [mm]	H1 [mm]	Flow rate [l/s]
T-71-070-TRK	71-070-E-S 71-070-RD-S	242	250	max. 1.5
T-71-100-TRK	71-100-E-S 71-100-RD-S	242	250	max. 2.8
T-71-150-TRK	71-150-E-S 71-150-RD-S	315	300	max. 8.2
T-71-200-TRK	71-200-E-S 71-200-RD-S	390	350	max. 12.5
T-DRS-070-TRK	DRS-070-E-S DRS-070-RD-S	242	250	max. 1.5
T-DRS-100-TRK	DRS-100-E-S DRS-100-RD-S	242	250	max. 2.8
T-DRS-150-TRK	DRS-150-E-S DRS-150-RD-S	315	300	max. 8.2
T-DRS-200-TRK	DRS-200-E-S DRS-200-RD-S	390	350	max. 12.5

Grade

■ 1.4301 (AISI 304) ■ 1.4571 (AISI 316 Ti)[1)]

Description for use in tenders

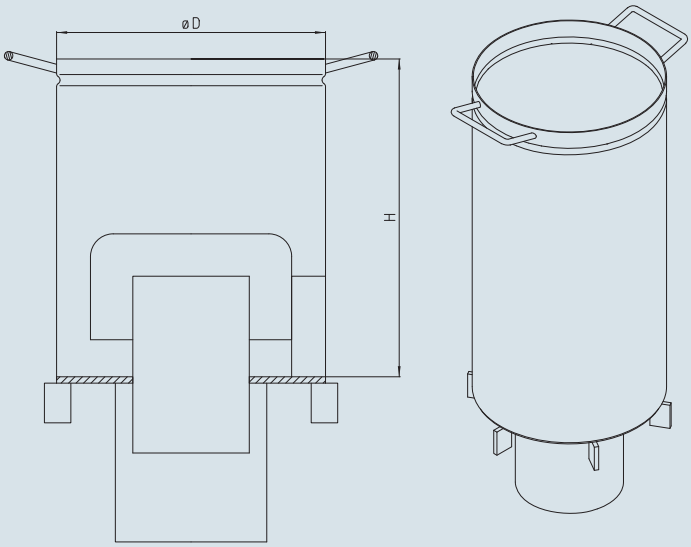
Conical funnel, Model TRKN. For machine and floor drainage (leakage water ...). Surface grain blasted.

Nominal width:	• DN 70	• DN 100	• DN 150	• DN 200
Grade:	• 1.4301 [AISI 304]		• 1.4571 [AISI 316 Ti] [1)]	
Optional				
Floor drainage:	• Small floor drainage (TRKG)			
Lateral connection piece:	• DN 50	• DN 70	• DN 100	

We will be pleased to provide a description for specific objects for use in tenders.

[1)] If grade 1.4571 is used (AISI 316Ti) some components may be made of grade 1.4404 (AISI 316) for construction reasons.

Cover variants



Funnel (tundish) TRZN

For draining off large quantities of wastewater (direct tank drainage). Standard version with normal floor drainage (TRZN). This means that the floor can also be drained.
We can also supply a small floor drain (TRKG). This denotes a small inlet slit (circumferentially 1.5 mm) available for floor drainage.

B = W
HV = HA

Model	Suitable for floor inlet	Ø D1 [mm]	H1 [mm]	Flow rate [l/s]
T-71-100-TRZ	71-100-E-S 71-100-RD-S	257	500	max. 10
T-71-150-TRZ	71-150-E-S 71-150-RD-S	334	500	max. 15
T-71-200-TRZ	71-200-E-S 71-200-RD-S	453	500	max. 28
T-71-250-TRZ	71-250-E-S 71-250-RD-S	553	500	max. 45
T-DRS-100-TRZ	DRS-100-E-S DRS-100-RD-S	257	500	max. 10
T-DRS-150-TRZ	DRS-150-E-S DRS-150-RD-S	334	500	max. 15
T-DRS-200-TRZ	DRS-200-E-S DRS-200-RD-S	453	500	max. 28

Grade

■ 1.4301 (AISI 304) ■ 1.4571 (AISI 316 Ti)[1)]

Description for use in tenders

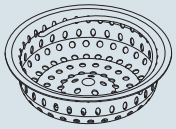
Cylindrical funnel cover, Model TRZN, according to EN 1253. For direct tank drainage, in order to discharge large discharge quantities through the floor drain. With integrated air trap in the funnel, and a separate air trap for floor drainage.
Surface grain blasted.

Nominal width:	• DN 100	• DN 150	• DN 200	• DN 250
Grade:	• 1.4301 [AISI 304]		• 1.4571 [AISI 316 Ti] [1)]	
Optional				
Floor drainage:	• normal floor drainage		• light floor drainage	
Lateral connection piece:	• DN 50	• DN 70	• DN 100	
Options:	• Splash guard			

We will be pleased to provide a description for specific objects for use in tenders.

[1)] If grade 1.4571 is used (AISI 316Ti) some components may be made of grade 1.4404 (AISI 316) for construction reasons.

Silt box variants

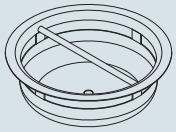


Perforated plate silt box — SFLO

Standard silt box for the DRS and H series, with approx. 10 mm perforations.
The silt box is located above the water seal surface.

Silt box with special perforation for increased requirements — SF<6

Alternative model to the above mentioned perforated plate silt box.
The perforations are always smaller than 6 mm.

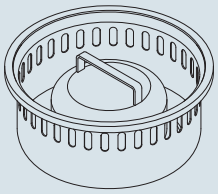


Silt box with overflow slits — SFUS

Alternative model to the above mentioned perforated plate silt box.
Because there are no perforations in the bottom, finer pieces of dirt, e.g. sand, also remain in the bucket and do not enter the drainage pipe.

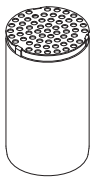
Flat cage or sieve plate — FK

Particularly suitable for low floor drains that do not have a silt box as standard. DR and 97 series.



Air trap-silt box combination — GV/SF

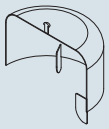
Constitute a unit so that they can only be removed together.
The silt box volume is particularly large. The standard perforations in the silt box are longitudinal, but can be supplied with various perforation shapes if the customer so requires. Series 71, 79, 96.



Sieve plate on outlet connections — SBS/SBE/SBV

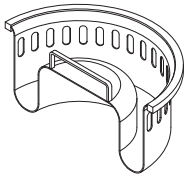
Sieve plates on the outlet connections prevent wilful blocking of outlet pipes.
These sieve plates can be stuck on to the outlet connections. These are available as bolted or welded options.

Air trap variants



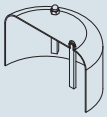
Air trap — GV

Removable part of the drain body which has a water seal to prevent wastewater gases from the outlet entering the inlet. The standpipe is a natural obstacle for the wastewater, the water trap, into which the bell extends, thus creating an air trap. The height of the air trap is between 50 and 60 mm. Series DR, DRS, H and 97.



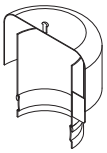
Air trap-silt box combination — GV/SF

Constitute a unit so that they can only be removed together.
The silt box volume is particularly large. The standard perforations in the silt box are longitudinal, but can be supplied with various perforation shapes if the customer so requires. Series 71, 79, 96.



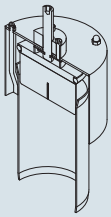
With bolted air trap — GVV

The bell is also fitted with screw fastenings to secure it against unauthorised removal. If desired, we can manufacture lockable systems to your specifications.



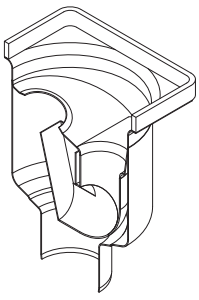
Plug-in air trap — GVS

Removable bell with integrated standpipe, so that the water in the water trap can run out when the air trap is removed. The housing can thus be thoroughly cleaned (without using residual water).



Lockable air trap — AS

For controlled drainage of wastewater. Prevents resources or hazardous substances accidentally entering the drainage pipes in the production area. Sealed against flow back according to EN 1253-4 (Class Bt) up to 0.5 bar. The closure devices DN 70 and DN 100 are sealed tight up to 4 bar and DN 150 up to 2 bar and have a test certificate. Test certificate shows the fastening mechanisms are tight up to the following pressures: DN 70 and DN 100 4 bar, DN 150 up to 2 bar.

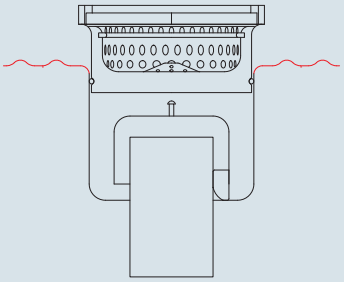


Opti air trap — OPTI

The flow-optimised, U-shaped air trap results in a high dirt removal rate while requiring little freshwater. DRS-OPTI, H-OPTI series.

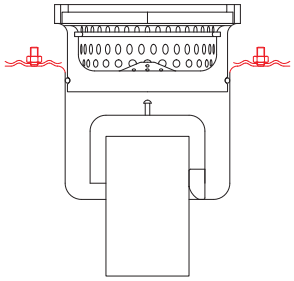
Flange variants

Attachment flanges for floor drains conform with DIN EN



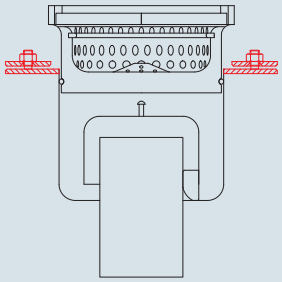
Adhesive flange KBF

According to EN 1253, usually round, for single- and two-part floor drains. Minimum width 100 mm, 1.5 mm thick with two circumferential seepage embossings which enable better adhesion of the liner sheet. Adhesived flanges are usually always fitted with perforations or an inlet slit for secondary drainage. Material depends on the material chosen for the housing.



Clambing flange KMF

According to EN 1253, round version for single- and two-part floor drains. Minimum width of the integral flange 70 mm, lapped flange 60 mm, each 1.5 mm thick with two circumferential seepage embossings, which enable better clamping of the liner sheet. Clambing flanges are usually always fitted with perforations or an inlet slit for secondary drainage. Material depends on the material chosen for the housing.

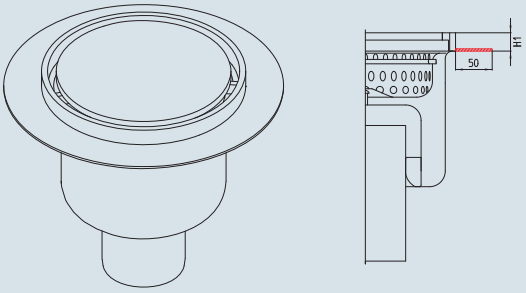


Clambing flange according to DIN 18534-2 FDIN

According to DIN 18534-2 for “construction seals”, round version for one and two-part floor drains. Minimum width of the integral flange 70 mm, lapped flange 60 mm, each 6.0 mm thick for better clamping of the liner sheet (where there is no water pressure). Clambing flanges are usually always fitted with perforations or an inlet slit for secondary drainage. Material depends on the material chosen for the housing.

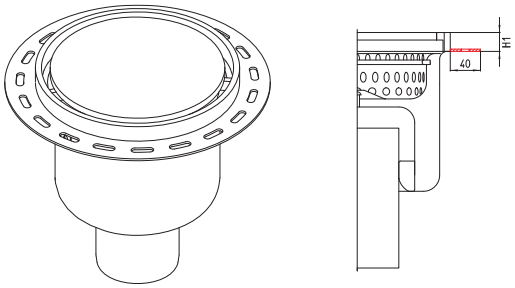
Flange variants

Flange variants available on customer request



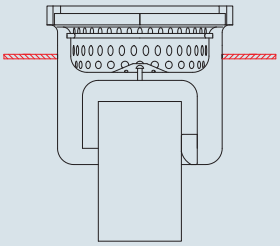
Bonding flange HF

For connection to plastic floorings or tiled floors using the thin-bed method. This Bonding flange is unperforated, in both floor inlet and channel, made impervious to fluids and with a standard width of 50 mm. It can be attached to either a square or round inlet rim of a single-part floor drain, or to the attachment piece of a two-part floor drain. Material depends on the material chosen for the housing.



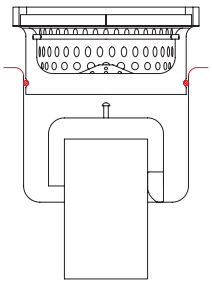
Bonding flange, perforated HFLALO

For better attachment of plastic floorings to the floor drains or channels. The bonding flange is perforated to achieve as good a connection as possible between flooring and drainage element and is usually only tacked. The standard width is 40 mm can be attached to either a square or round inlet rim of a single-part floor drain, or to the attachment piece of a two-part floor drain. Material depends on the material chosen for the housing.



Support flange TGF

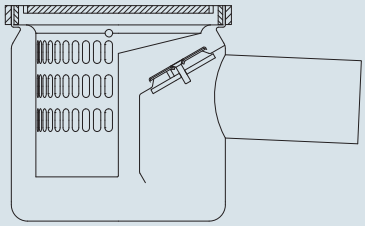
This flange can bear the heavy load floor inlet via the tapping drill hole, so that it is not pressed through the drill hole. Depending on the load, the support flange is available in thicknesses between 6.0 and 10.0 mm. Material depends on the material chosen for the housing.



Attachment edge AR

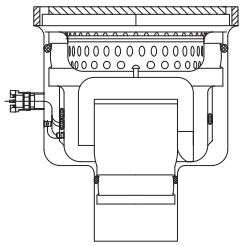
Two-part floor drains are also available without a bonding flange, but with just an “attachment edge”. Instead of a single-part floor inlet, this variant has the advantage that it does not have to be bonded flush with the upper surface of the finished floor when it is being installed (connected to the piping). Since a secondary drainage cannot be connected, the use of a sealing ring between the lower part of the floor drain and attachment piece is recommended, so that any possible flow back cannot enter the concrete assembly.

Special floor drains



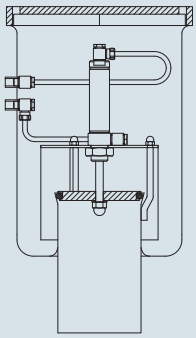
Industrial floor drain Model 81

"Butcher's floor drain" with a very large silt box volume with small depth outlet pipe. The outlet pipe can be accessed via a removable inspection cover in the welded air trap.



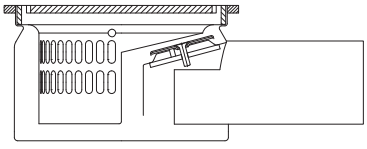
Heated industrial floor drain Model 93

Heated floor drain, specially for cold and freezer rooms. The removable inside part is wrapped in heating tape making maintenance possible at all times. Suitable for temperatures to -20°C, for direct connection to 230 V-50Hz.



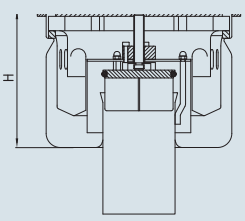
Pneumatically lockable industrial floor drain Model 94

This **"Emergency lock floor drain"** is used wherever automatically controlled locking of the floor drain must be guaranteed. The drain neck is open and closed by means of a pneumatically driven sealing plate.



Industrial floor drain Model 72WN

When working areas are being renovated, existing cast drains can be replaced using this floor drain, without any problem at all. Its very low design makes it suitable for individual use where there is large silt box volume.

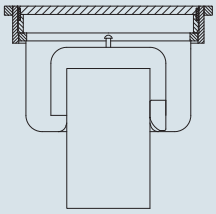


Industrial floor drain Model 71AS

(identical in construction to Model 82)
This floor drain prevents resources or hazardous substances accidentally entering the drainage pipes in the production area or entering the working area due to excess pressure in the drainage pipes. Resistant to flow back according to EN 1253-4 (Class Bt) up to 0.5 bar. The closure devices DN 70 and DN 100 are sealed tight up to 4 bar and DN 150 up to 2 bar and have a test certificate.

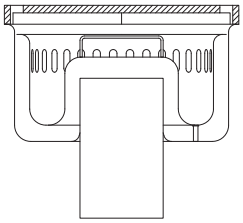
DN	H
070	188
100	210
150	228
200	288

Special floor drains



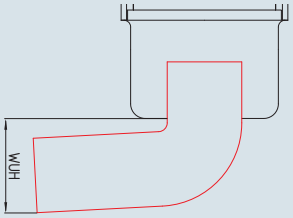
Industrial floor drain Model 88

Clean room floor drain specially developed for use in the pharmaceutical and chemical industries to ensure that no uncontrolled soiling from the sewer system can enter the production area. This floor drain is water (Class Wt) and smell-tight (Class Ot) [water pressure 5mbar] according to EN 1253-4.



Industrial floor drains Model 96

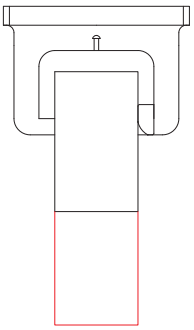
Floor drain with combine silt box and air trap with low overall construction height. Stable inlet rim made of 8 mm flat material.



"Horizontal exit" version UW

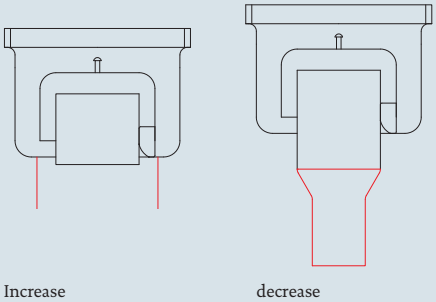
This **"horizontal exit"** version of a vertical floor drain is suitable for particularly high-lying underground pipes. Because the pipe bend is solidly welded to the exit pipe this version is also more secure than a fitted pipe bend which can slip off if knocked inappropriately from above.

DN	HUW	
	GV	GVS
070	114	163
	102 [19)]	
	106 [20)]	
100	139	197
	153 [21)]	
150	196	264
200	255	



ROV version

An extension of the exit pipe is necessary if:
– the ceiling is so thick that a pipe bend cannot be fitted onto the exit pipe
– the ceiling is so thick that fire protection rules would not permit filling underneath the pipe
– the top edge of the pipe collar is too deep in the earth

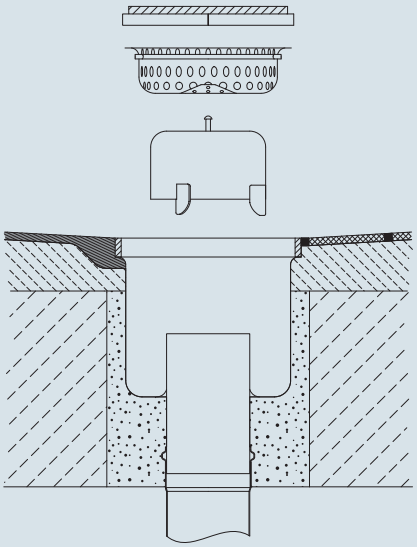


Increase decrease

ROD version

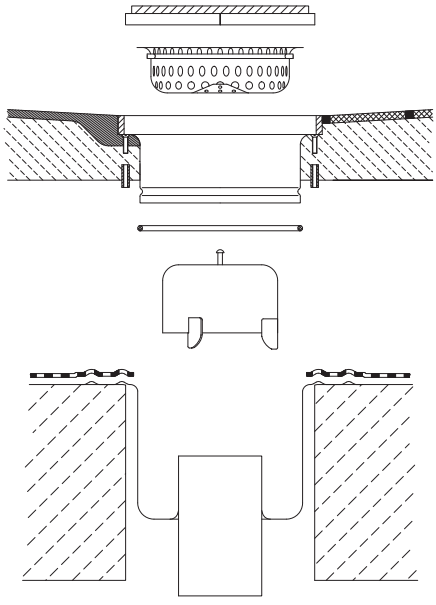
An increase of the exit pipe diameter is necessary if:
– connected to stoneware or polyurethane pipe
– the underground pipe has a greater nominal width than necessary for the floor drain
A reduction of the exit pipe diameter is necessary if:
– the underground pipe has a smaller nominal width than necessary for the floor drain

Installation instructions



Installation in floor slab (without cellar below): Floor drain, single-part

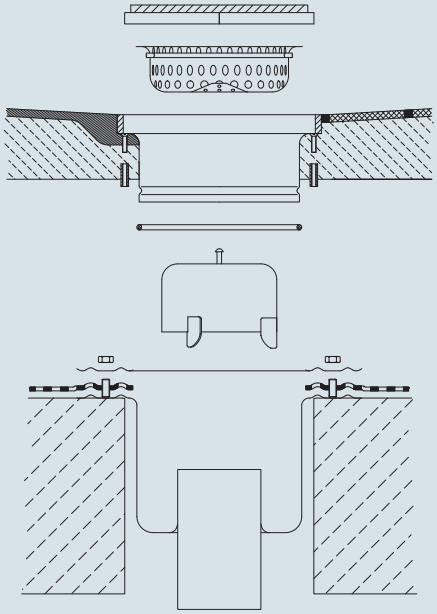
1. Set the floor drain into the foreseen recess, simultaneously attaching it to the existing ground pipe.
   To do this, please insert the exit pipe into the pipe collar or the corresponding connection pieces, or use transition rings.
2. Fix the floor drain at the right height and in the correct position, if necessary affixing it to the concrete slab or fix it by pouring a concrete encasement.
3. Only in the case of floor drains with bonded flange:
   Attach the seal to the bonded flange in accordance with the liner sheet manufacturer's instructions. Pay attention that the perforations are not glued into the vertical wall of the inlet body or the draining off of the seepage water (secondary drainage) is not guaranteed."
4. Apply the planned floor structure and attach it to the floor drain with a clean edge. Ensure that the inlet rim is well lined.
5. When attaching a plastic floor covering (e.g. epoxy resin, acrylic etc.) to the edge of the drain we recommend a wedge-shaped attachment zone in the area of the drain edge (see the left hand side of the schematic sketch).
6. Connect the floor drain and check for completeness.



Installation in ceiling between floors: Floor drain, two-part (only adhesive flange)

1. Insert the bottom part of the floor drain in the foreseen drill hole.
   (Note: The diameter of the drill hole should be about 10 –15 mm larger than the pot diameter!)18)
2. Fix the bottom part of the floor drain in position.
3. Apply the seal to the bonded flange in accordance with the liner sheet manufacturer's instructions.
4. Before pouring the floor screed, set the floor drain attachment piece in the bottom part and fix it at the right height (using the adjusting screws) and direction (important when using square attachment pieces). When the liner sheet is to be drained via the annular gap between the bottom part of the floor drain and the attachment piece (secondary drainage), the sealing ring should not be used. If the annular gap is to be closed to prevent flow back, an O-ring should be placed in the bead of the attachment piece before it is inserted in the bottom part. Here the O-ring should be inserted into the bottom part so deep that a seal is assured. **If this is not the case a higher attachment piece is needed.**
5. Apply the planned floor structure with a clean edge to the floor drain. Pay attention to ensure a good lining of the drain edge. When attaching a plastic floor covering (e.g. epoxy resin, acrylic etc.) to the edge of the drain we recommend a wedge-shaped attachment zone in the area of the drain edge (see the left hand side of the schematic sketch).
   In the case of attachment pieces with an Bonding flange for thin bed sealing this flange should be sealed in accordance with the floor layer's requirements.
6. Connect the floor drain under the ceiling and check it is complete.

[18] Please observe the appropriate installation guidelines with regard to fire protection requirements



Installation in ceiling between floors: Floor drain, two-part (with clambing flange)

1. Insert the bottom part of the floor drain in the foreseen drill hole. (Note: The diameter of the drill hole should be about 10 –15 mm larger than the pot diameter!)18)
2. Fix the bottom part of the floor drain in position.
3. Apply the seal to the bonded flange in accordance with the liner sheet manufacturer's instructions. Then attach the clamp flange and tighten the nut. Observe that the maximum torque is not exceeded.
4. Before pouring the floor screed, set the floor drain attachment piece in the bottom part and fix it at the right height (using the adjusting screws) and direction (important when using square attachment pieces). When the liner sheet is to be drained via the annular gap between the bottom part of the floor drain and the attachment piece (secondary drainage), the sealing ring should not be used. If the annular gap is to be closed to prevent flow back, an O-ring should be placed in the bead of the attachment piece before it is inserted in the bottom part. Here the O-ring should be inserted into the bottom part so deep that a seal is assured. **If this is not the case a higher attachment piece is needed.**
5. Apply the planned floor structure with a clean edge to the floor drain. Pay attention to ensure a good lining of the drain edge. When attaching a plastic floor covering (e.g. epoxy resin, acrylic etc.) to the edge of the drain we recommend a wedge-shaped attachment zone in the area of the drain edge (see the left hand side of the schematic sketch).
   In the case of attachment pieces with Bonding flange for thin mortar bed sealing this flange has to be sealed in line with the floor layer's requirements.
6. Connect the floor drain under the ceiling and check it is complete.

[18] Please observe the appropriate installation guidelines with regard to fire protection requirements

Cleaning and care instructions for stainless steel

The instructions are provided as an orientation, and do not serve as grounds for any warranty or damage claims.

Contents

1. Introduction

It is well known that stainless steel has far greater resistance to corrosion than non-alloyed and low alloy steels. They are resistant to numerous aggressive media, and do not require any additional surface protection.

Deposits on the surface of the stainless steel can however impair the corrosion resistance, which is why the stainless steel products you have purchased should receive a basic amount of cleaning and care.

2. Resistance to corrosion

The alloy constituents included in the material result in a passive layer, only a few atoms thick, being created on the surface. The impact of oxygen in air and water results in this passive layer being regenerated time and again. Prerequisite for this is a bare metallic surface that is free of impurities.

3. Initial cleaning

Initial basic cleaning is usually carried out after building work has been completed, and before the products have been put into initial operation by the developer.

Stainless steel surfaces are often effectively protected by **plastic film** during transport, storage and assembly. This protective film does not however provide permanent protection against light and ultraviolet radiation, and are difficult to remove if in place for a longer period of time. Remnants of protective film that are difficult to remove are left on the surface. It is therefore recommended that the protective film is removed as soon as it is no longer needed for protection on the building site, and within a few weeks of delivery at the latest. The film should always be peeled off from top to bottom. In order to avoid material sticking to the surface that could prevent creation of the passive layer, any remnants of film should be removed using warm water and a gentle detergent.

Lime and mortar splashes can be removed with diluted phosphoric acid, and the area then thoroughly rinsed with a generous amount of clear water. Using demineralised water counteracts the creation of lime stains.

Several detergent manufacturers offer special products for this purpose. Under no circumstances should you use cement stain remover for tiles or diluted hydrochloric acid. If either of these products should find its way onto the stainless steel surface, it must be immediately removed with plenty of clear water.

Other building contractors, e.g. tile layers, are not always aware of the damage that lime stain remover and diluted hydrochloric acid can cause to stainless steel.

Iron particles from tools, scaffolding and transportation equipment must be removed without delay. Grinding dust, swarf and welding splatter from work being done on construction steel in the vicinity of work with stainless steel can accelerate rusting if they are deposited on stainless steel. This can result in localised penetration of the passive layer of the stainless steel causing punctiform corrosion.

If these contaminations are recognised in time, they can be removed using standard household (non-ferrite) cleaning pads or special cleansing products. Subsequent rinsing with plenty of clear water will clean the surface and give the material the chance to rebuild the passive layer.

Cleaning and care instructions for stainless steel

If corrosion has already started, a mechanical (or preferably stain) treatment of the surface is unavoidable. Stains are also available in paste form for local application. It is important to observe all environmental protection rules and the manufacturer's health and safety instructions when using such products. Specialised firms will often carry out such work on site on a subcontract basis.

Treatment with stain will fully restore the original corrosion protection of stainless steel. This can however result in optical changes to the surface, so that it is necessary to finish the surface by sanding and polishing it. It is therefore recommended that contamination by tramp iron should be avoided from the very start, e.g. by using protective film or by carrying out all stainless steel work after work with construction steel has been completed.

4. Routine cleaning

Where stainless steel is used **outside**, the cleansing effect of rain is usually sufficient to prevent damaging deposits. Surfaces that cannot be reached by rain should be cleaned to ensure that there is no build up of contamination from air pollution. Cleaning stainless steel is particularly important in coastal and industrial surroundings where there can be a concentration of chlorides and sulphur dioxide (this also includes the undersides of horizontal profiles) for which the chosen type of steel is not designed.

Where stainless steel is used **inside**, it is especially important to avoid and clean fingerprints. Stainless steel is available with a great variety of surfaces, some of which are specially designed for use in areas frequented by the public. It is possible to minimise later cleaning costs by making the right choice of surface during the planning phase.

Fingerprints are an initial phenomenon with the popular brushed and sanded surfaces. Their visibility is significantly reduced after several cleaning sequences.

5. Cleaning agents

A solution of washing up liquid is usually sufficient for removing **fingerprints**.

Some manufacturers of cleaning materials offer special products whose cleansing effect is enhanced by a care product. Such cleaning agents completely remove fingerprints, leaving behind a fine film which gives the treated surfaces a homogenous appearance. After cleaning, the surface should be polished with a dry cloth.

Bright annealed and mirror polished surfaces can be treated with chloride-free glass cleaners.

Stubborn dirt can be removed using standard household cleansing milk, which also removes lime stains and minor discolorations. Subsequent rinsing with demineralised water (as used for steam irons, and usually available in supermarkets) prevents lime stains being created as it dries off. The surface should then be given a dry polishing. Scouring powder is not suitable, as it will scratch the surface.

Very oily and greasy dirt can be removed using alcohol-based cleaning agents and solvents, e.g. rectified spirit, isopropyl alcohol or acetone, which are quite safe for stainless steel. Here it is necessary to make sure that the cleaning process does not spread the partially dissolved dirt across the whole surface. Cleaning must therefore be repeated using fresh cloths until all traces have been removed.

Special alkaline and solvent-based cleaning agents are available for **paint and graffiti.** Knives and scrapers should be avoided, because they will scratch the surface.

Seriously neglected surfaces can also be treated with polish, such as that used for looking after chrome on cars. Another option is rubbing compound normally used for aged car paint, whereby it is necessary to take care because it can leave scratches on stainless steel.

Another alternative is special stainless steel cleaner that contains phosphoric acid, as recommended above for the removal of tramp iron contamination. When using this cleaner, it is important that the whole surface is treated to avoid staining.

Whenever cleaning is carried out it always necessary to observe environmental and health and safety rules.

Cleaning agents that are unsuitable for stainless steel include:

- Products containing chlorides, especially products containing hydrochloric acid,
- Bleaches (in case of accidental application or bleach splashes the stainless steel should be generously rinsed with clear water),
- Silver polish.

Cleaning and care instructions for stainless steel

6. Cleaning utensils

A **damp cloth or leather** is usually sufficient to remove fingerprints.

Standard household **(iron-free) cleaning pads** are used for more stubborn dirt. On no account should abrasive pads that contain iron, steel wool or steel brushes be used, because they will transfer rusting tramp iron to the surface of the stainless steel.

Soft **nylon brushes** are suitable for cleaning surfaces that have been roller-patterned. Steel brushes (especially carbon steel brushes) cause damage.

Where the surfaces have been brushed or sanded (2G, 2J, 2K in accordance with DIN 10088/3) they should always be brushed in the direction they have been brushed/sanded, and not across the "grain".

When cleaning with water, the surfaces – especially in hard-water areas – should then be **dry wiped** to avoid creating lime stains. Demineralised water helps avoid this problem.

To prevent tramp iron contamination you must not use any cleaning utensils that have been previously used for "normal" steel. You are recommended to keep **separate cleaning utensils** for use on stainless steel surfaces.

7. Cleaning intervals

Cleaning intervals for stainless steel used indoors are basically the same as for any other surfaces. To keep the amount of work and costs to a minimum, the surfaces should always be cleaned before larger-scale soiling has a chance to build up.

In outside areas, stainless steel can be subjected to a range of corrosive conditions, e.g.

- Coastal atmosphere,
- Factory fumes,
- Chloride-containing spray,
- Air pollution and traffic fumes.

These factors can lead to discoloration over time. Cleaning agents that contain phosphoric acid will reliably remove any discoloration.

Where very high optical requirements are involved or where the stainless steel is in a corrosive atmosphere, a proven rule of thumb is to clean the surface as often as you would clean glass surfaces. Routine cleaning in low-contamination environments should be carried out every few years. Where there is more serious contamination, especially in covered areas not reached by rain, the surfaces should be cleaned at intervals of several months.

8. Source

Leaflet 965 – Cleaning and care of stainless steel in the building industry

(German Stainless Steel Information Office, Internet 2009)

Accessories

Lifting handle for bell stench trap

Order No. BG 1001343

Spanner for floor drains sealed using a spindle

Order No. ZM1005706

Vacuum lifting tool for tight sealed covers

Order No. K1005108

Notes

Notes

WIEDEMANN-TECHNIK

Quality in stainless steel

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