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SAVE ENERGY UP
TO
13%

SupaPlumb



Efficient HVAC Device



Zhejiang Gaobo Sanitary Wares Co.,Ltd

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A solution for every application

Whether you are improving an existing system, or planning to stall a new heating supply, cooling or process system, SUPAPLUMB company will meet all of your needs, provide the right solution.



Geothermal energy
· Solar cycle
· Local / District heating



Biogas system
· Local / District heating
· Heating and cooling cycles



Solar power plant
· Cooling system
· Local / District heating



Detached house
· Heating cycle
· Heat pump
· Solar system



Heating system
· Heating cycle
· Heat pump
· Solar system



Office / School
· Heating cycle
· Cooling cycle
· Air-conditioning water system



Data center
· Cooling and refrigeration cycle
· Air-conditioning water system



Rehabilitation Center / Hospital
· Heating cycle
· Cooling and refrigeration cycle
· Air-conditioning water system



Automatic Air Vent Valve
Material: Brass forging
Float: PP
Seal: EPDM
Installation: Vertical
Medium: water, water/glycol(1:1)

MODEL	D	int	H	ø	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[°C]	[bar]	[g]	
V1M10	3/8"	MNPT	3.15	1.33	110	12	95	
V1M15	1/2"	MNPT	3.23	1.33	110	12	100	



High water level
no exhaust

Low water level
automatic exhaust



**Automatic Air Vent Valve
(for radiators)**
Material: Brass forging
Float: PP
Seal: EPDM
Installation: Horizontal
Medium: water, water/glycol(1:1)

MODEL	D	int	L	H	ø	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[inch]	[°C]	[bar]	[g]	
V1M15L	1/2"	MNPT	2.04	3.30	1.33	110	12	145	



**Automatic Air Vent Valve
(with check valve)**
Material: Brass forging
Float: PP
Seal: EPDM
Installation: Vertical
Medium: water, water/glycol(1:1)

MODEL	D	int	H	ø	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[°C]	[bar]	[g]	
V1R10	3/8"	MNPT	4.05	1.33	110	12	120	
V1R15	1/2"	MNPT	4.05	1.33	110	12	145	

Warning:

When the product is tightened,
water inlet of the check valve is open;
when the product is unscrewed,
water inlet of the check valve is close.



Check valve
Material: Brass forging
Spring: Steel
Installation: Vertical

MODEL	D	int	H	T _{max}	P _{max}	Weight	Price
			[inch]	[°C]	[bar]	[g]	
55 037001 99	3/8"	MNPT	1.30	110	12		
55 037002 99	1/2"	MNPT	1.30	110	12		



**Automatic Air Vent Valve
(for radiators)**
Material: Brass forging
Float: PP
Seal: EPDM
Installation: Horizontal
Medium: water, water/glycol(1:1)

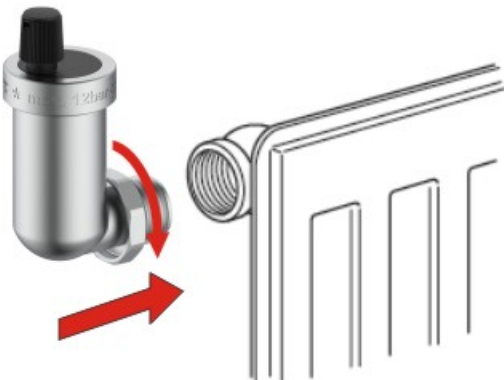
MODEL	D	int	L	H	ø	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[inch]	[°C]	[bar]	[g]	
V1R15L	1/2"	MNPT	2.04	3.30	1.33	110	12	130	



High water level
no exhaust



Low water level
automatic exhaust



Automatic Air Vent Valve
Material: Brass forging
Float: PP
Seal: EPDM
Installation: Vertical
Medium: water, water/glycol(1:1)

MODEL	D	int	H	ø	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[°C]	[bar]	[g]	
V2M10	3/8"	MNPT	3.31	1.89	110	12		
V2M15	1/2"	MNPT	3.39	1.89	110	12		
V2M20	3/4"	MNPT	3.43	1.89	110	12		
V2M25	1"	MNPT	3.43	1.89	110	12		



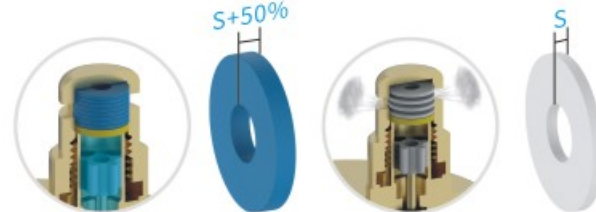
High water level
no exhaust

Low water level
automatic exhaust



**Automatic Air Vent Valve
(with check valve)**
Material: Brass forging
Float: PP
Seal: EPDM
Installation: Vertical
Medium: water, water/glycol(1:1)

MODEL	D	int	H	ø	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[°C]	[bar]	[g]	
V2R10	3/8"	MNPT	4.21	1.89	110	12		
V2R15	1/2"	MNPT	4.21	1.89	110	12		



Fiber paper gaskets installed at top exhaust port
When the fiber paper gaskets encounters water, its volume expands 50%, which will close the gap between paper gaskets and prevent water leakage.
When the air gathers again, fiber paper returns to dry, and gas discharged from the gap between the paper gaskets.



Automatic Air Vent Valve

Material: Brass forging
Float: PP
Seal: EPDM
Installation: Vertical
Medium: water, water/glycol(1:1)

MODEL	D	int	H	Ø	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[°C]	[bar]	[g]	
V3F15	1/2"	FNPT	4.52	2.36	110	12		
V3F20	3/4"	FNPT	4.52	2.36	110	12		
V3F25	1"	FNPT	4.52	2.36	110	12		



High water level
no exhaust



Low water level
automatic exhaust



Automatic Air Vent Valve

Material: Brass forging
Float: PP
Seal: EPDM
Installation: Vertical
Medium: water, water/glycol(1:1)

MODEL	D	int	H	Ø	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[°C]	[bar]	[g]	
V5M15	1/2"	MNPT	2.87	1.73	110	12		



Automatic Air Vent Valve

Material: Brass forging
Float: PP
Seal: EPDM
Installation: Vertical
Medium: water, water/glycol(1:1)

MODEL	D	int	H	Ø	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[°C]	[bar]	[g]	
V5R15	1/2"	MNPT	3.70	1.73	110	12		



High water level
no exhaust



Low water level
automatic exhaust



Automatic Air Vent Valve

Material: Brass forging
Float: PP or AISI304 or TPX
Seal: EPDM
Installation: Vertical
Medium: water, water/glycol(1:1)

MODEL	D	int	L	H	T _{max}	P _{max}	Float material
			[inch]	[inch]	[°C]	[bar]	
V4F15-10/110	1/2"	FNPT	2.91	4.72	110	10	PP
V4F20-10/110	3/4"	FNPT	2.91	4.72	110	10	PP
V4F25-10/110	1"	FNPT	2.91	4.72	110	10	PP
V4F15-16/110	1/2"	FNPT	2.91	4.72	110	16	PP
V4F20-16/110	3/4"	FNPT	2.91	4.72	110	16	PP
V4F25-16/110	1"	FNPT	2.91	4.72	110	16	PP
V4F15-10/180	1/2"	FNPT	2.91	4.72	180	10	AISI304
V4F20-10/180	3/4"	FNPT	2.91	4.72	180	10	AISI304
V4F25-10/180	1"	FNPT	2.91	4.72	180	10	AISI304
V4F15-25/150	1/2"	FNPT	2.91	4.72	150	25	TPX
V4F20-25/150	3/4"	FNPT	2.91	4.72	150	25	TPX
V4F25-25/150	1"	FNPT	2.91	4.72	150	25	TPX



Automatic Air Vent Valve

Material: Brass forging
Float: PP or AISI304 or TPX
Seal: EPDM
Installation: Vertical
Medium: water, water/glycol(1:1)

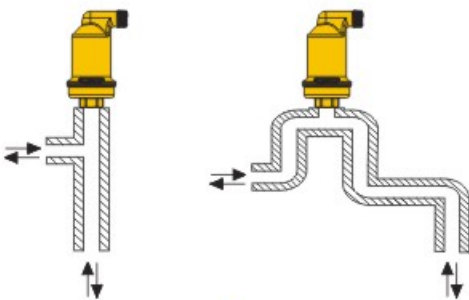
MODEL	D	int	L	H	T _{max}	P _{max}	Float material
			[inch]	[inch]	[°C]	[bar]	
V4R15-10/110	1/2"	MNPT	2.91	4.72	110	10	PP



Automatic Air Vent Valve

Material: AISI304
Float: PP or AISI304 or TPX
Seal: EPDM
Installation: Vertical
Medium: water, water/glycol(1:1)

MODEL	D	int	L	H	T _{max}	P _{max}	Float material
			[inch]	[inch]	[°C]	[bar]	
V4F15-10/110	1/2"	FNPT	2.91	4.72	110	10	PP
V4F25-10/110	1"	FNPT	2.91	4.72	110	10	PP
V4F15-16/110	1/2"	FNPT	2.91	4.72	110	16	PP
V4F25-16/110	1"	FNPT	2.91	4.72	110	16	PP
V4F15-10/180	1/2"	FNPT	2.91	4.72	180	10	AISI304
V4F25-10/180	1"	FNPT	2.91	4.72	180	10	AISI304
V4F15-25/150	1/2"	FNPT	2.91	4.72	150	25	TPX
V4F25-25/150	1"	FNPT	2.91	4.72	150	25	TPX



Mount at the highest point ⚠



High water level
no exhaust

Low water level
automatic exhaust



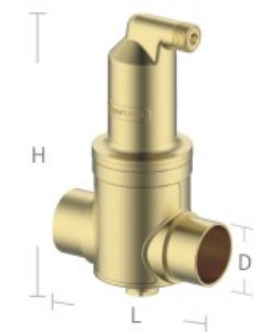
Air Separator
Material: Brass forging
Inside: T2 copper spiral mesh
Removed microbubble: $\geq 10\mu\text{m}$
Installation: Horizontal
Medium: water, water/glycol(1:1)

MODEL	D	int	L	H	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[°C]	[bar]	[g]	
V6G20	3/4"	FNPT	3.26	6.42	110	10		
V6G25	1"	FNPT	3.38	7.09	110	10		
V6G32	1-1/4"	FNPT	4.05	7.40	110	10		
V6G40	1-1/2"	FNPT	4.05	8.07	110	10		
V6G50	2"	FNPT	4.80	10.35	110	10		



Air Separator with Swivel Connection
Material: Brass forging
Inside: T2 copper spiral mesh
Removed microbubble: $\geq 10\mu\text{m}$
Installation: 360° no dead angle
Medium: water, water/glycol(1:1)

MODEL	D	int	L	H	h	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[inch]	[°C]	[bar]	[g]	
V7G20	3/4"	FNPT	4.96	6.65	3.27	110	10		
V7G25	1"	FNPT	5.71	7.87	3.82	110	10		
V7G32	1-1/4"	FNPT	6.38	8.62	4.53	110	10		
V7G40	1-1/2"	FNPT	6.38	9.72	4.92	110	10		



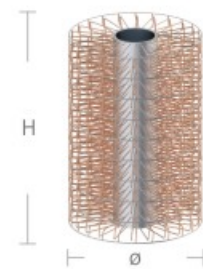
Air Separator
Material: Brass forging
Inside: T2 copper spiral mesh
Removed microbubble: $\geq 10\mu\text{m}$
Installation: Horizontal
Medium: water, water/glycol(1:1)

MODEL	D	int	L	H	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[°C]	[bar]	[g]	
V6S20	ø22	SWEAT	3.54	6.41	110	10		
V6S25	ø29	SWEAT	3.85	7.08	110	10		
V6S32	ø35	SWEAT	4.52	7.40	110	10		
V6S40	ø41	SWEAT	4.80	8.07	110	10		
V6S50	ø54	SWEAT	5.98	10.35	110	10		



Air Separator with Swivel Connection
Material: Brass forging
Inside: T2 copper spiral mesh
Removed microbubble: $\geq 10\mu\text{m}$
Installation: 360° no dead angle
Medium: water, water/glycol(1:1)

MODEL	D	int	L	H	h	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[inch]	[°C]	[bar]	[g]	
V7S20	ø22	SWEAT	4.75	6.77	3.50	110	10		
V7S25	ø29	SWEAT	5.47	7.87	3.81	110	10		
V7S32	ø35	SWEAT	6.18	8.62	4.52	110	10		
V7S40	ø41	SWEAT	6.59	9.80	5.04	110	10		



T2 Copper Spiral Mesh

MODEL	ø	H
	[inch]	[inch]
35 020088 01	1.88	1.77

360° Rotating



Air Separator
Material: Brass forging
Inside: T2 copper spiral mesh
Removed microbubble: $\geq 10\mu\text{m}$
Installation: Horizontal
Medium: water, water/glycol(1:1)

MODEL	D	int	L	H	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[°C]	[bar]	[g]	
V6P20	3/4"	PRESS	3.35	6.42	110	10		
V6P25	1"	PRESS	3.43	7.09	110	10		
V6P32	1-1/4"	PRESS	3.78	7.40	110	10		
V6P40	1-1/2"	PRESS	3.78	8.07	110	10		
V6P50	2"	PRESS	4.13	10.35	110	10		



Air Separator with Swivel Connection
Material: Brass forging
Inside: T2 copper spiral mesh
Removed microbubble: $\geq 10\mu\text{m}$
Installation: 360° no dead angle
Medium: water, water/glycol(1:1)

MODEL	D	int	L	H	h	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[inch]	[°C]	[bar]	[g]	
V7P20	3/4"	PRESS	4.97	8.02	6.02	110	10		
V7P25	1"	PRESS	5.71	9.29	6.65	110	10		
V7P32	1-1/4"	PRESS	6.38	9.94	7.13	110	10		
V7P40	1-1/2"	PRESS	6.78	11.16	7.75	110	10		



Unscrew twice to exhaust



Tighten two turns to close



Exhaust state



No Exhaust state





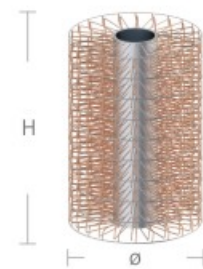
Air Separator
Material: Brass forging
Inside: T2 copper spiral mesh
Removed microbubble: $\geq 10\mu\text{m}$
Installation: Horizontal
Medium: water, water/glycol(1:1)

MODEL	D	int	L	H	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[°C]	[bar]	[g]	
V11G20	3/4"	FNPT	3.26	6.18	110	10		
V11G25	1"	FNPT	3.38	6.85	110	10		
V11G32	1-1/4"	FNPT	4.05	7.36	110	10		
V11G40	1-1/2"	FNPT	4.05	7.95	110	10		
V11G50	2"	FNPT	4.80	10.31	110	10		



Air Separator with Swivel Connection
Material: Brass forging
Inside: T2 copper spiral mesh
Removed microbubble: $\geq 10\mu\text{m}$
Installation: 360° no dead angle
Medium: water, water/glycol(1:1)

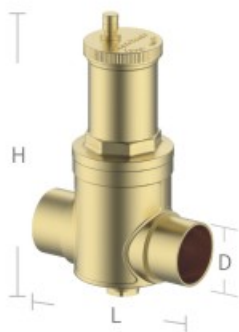
MODEL	D	int	L	H	h	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[inch]	[°C]	[bar]	[g]	
V12G20	3/4"	FNPT	4.96	6.65	3.27	110	10		
V12G25	1"	FNPT	5.71	7.87	3.82	110	10		
V12G32	1-1/4"	FNPT	6.38	8.62	4.53	110	10		
V12G40	1-1/2"	FNPT	6.38	9.72	4.92	110	10		



T2 Copper Spiral Mesh

MODEL	Ø	H
	[inch]	[inch]
35 020088 01	1.88	1.77

360° Rotating



Air Separator
Material: Brass forging
Inside: T2 copper spiral mesh
Removed microbubble: $\geq 10\mu\text{m}$
Installation: Horizontal
Medium: water, water/glycol(1:1)

MODEL	D	int	L	H	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[°C]	[bar]	[g]	
V11S20	ø22	SWEAT	3.54	6.18	110	10		
V11S25	ø29	SWEAT	3.85	6.85	110	10		
V11S32	ø35	SWEAT	4.52	7.36	110	10		
V11S40	ø41	SWEAT	4.80	7.95	110	10		
V11S50	ø54	SWEAT	5.98	10.31	110	10		



Air Separator with Swivel Connection
Material: Brass forging
Inside: T2 copper spiral mesh
Removed microbubble: $\geq 10\mu\text{m}$
Installation: 360° no dead angle
Medium: water, water/glycol(1:1)

MODEL	D	int	L	H	h	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[inch]	[°C]	[bar]	[g]	
V12S20	ø22	SWEAT	4.75	6.77	3.50	110	10		
V12S25	ø29	SWEAT	5.47	7.87	3.81	110	10		
V12S32	ø35	SWEAT	6.18	8.62	4.52	110	10		
V12S40	ø41	SWEAT	6.59	9.80	5.04	110	10		



Air Separator
Material: Brass forging
Inside: T2 copper spiral mesh
Removed microbubble: $\geq 10\mu\text{m}$
Installation: Horizontal
Medium: water, water/glycol(1:1)

MODEL	D	int	L	H	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[°C]	[bar]	[g]	
V11P20	3/4"	PRESS	3.35	6.18	110	10		
V11P25	1"	PRESS	3.43	6.85	110	10		
V11P32	1-1/4"	PRESS	3.78	7.36	110	10		
V11P40	1-1/2"	PRESS	3.78	7.95	110	10		
V11P50	2"	PRESS	4.13	10.31	110	10		



Air Separator with Swivel Connection
Material: Brass forging
Inside: T2 copper spiral mesh
Removed microbubble: $\geq 10\mu\text{m}$
Installation: 360° no dead angle
Medium: water, water/glycol(1:1)

MODEL	D	int	L	H	h	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[inch]	[°C]	[bar]	[g]	
V12P20	3/4"	PRESS	4.97	8.02	6.02	110	10		
V12P25	1"	PRESS	5.71	9.29	6.65	110	10		
V12P32	1-1/4"	PRESS	6.38	9.94	7.13	110	10		
V12P40	1-1/2"	PRESS	6.78	11.16	7.75	110	10		



Tighten to close



Turn twice to exhaust



Exhaust state



No Exhaust state





Dirt Separator with Magnet

Material: Brass forging
Inside: T2 copper spiral mesh
Magnet: 10000Gauss
Removed dirt: $\geq 5\mu\text{m}$
Installation: Horizontal
Medium: water, water/glycol(1:1)

MODEL	D	int	L	H	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[°C]	[bar]	[g]	
T6G20	3/4"	FNPT	3.27	5.83	110	10		
T6G25	1"	FNPT	3.39	6.50	110	10		
T6G32	1-1/4"	FNPT	4.09	6.50	110	10		
T6G40	1-1/2"	FNPT	4.09	7.17	110	10		
T6G50	2"	FNPT	4.80	9.72	110	10		



Dirt Separator with Magnet Swivel Connection

Material: Brass forging
Inside: T2 copper spiral mesh
Magnet: 10000Gauss
Removed dirt: $\geq 5\mu\text{m}$
Installation: 360° no dead angle
Medium: water, water/glycol(1:1)

MODEL	D	int	L	H	h	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[inch]	[°C]	[bar]	[g]	
T7G20	3/4"	FNPT	4.41	5.71	3.27	110	10		
T7G25	1"	FNPT	5.55	6.61	3.82	110	10		
T7G32	1-1/4"	FNPT	6.38	7.56	4.53	110	10		
T7G40	1-1/2"	FNPT	6.77	8.90	5.04	110	10		



Dirt Separator with Magnet

Material: Brass forging
Inside: T2 copper spiral mesh
Magnet: 10000Gauss
Removed dirt: $\geq 5\mu\text{m}$
Installation: Horizontal
Medium: water, water/glycol(1:1)

MODEL	D	int	L	H	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[°C]	[bar]	[g]	
T6S20	ø22	SWEAT	3.26	5.82	110	10		
T6S25	ø29	SWEAT	3.85	6.49	110	10		
T6S32	ø35	SWEAT	4.48	6.49	110	10		
T6S40	ø41	SWEAT	4.80	7.16	110	10		
T6S50	ø54	SWEAT	5.98	9.72	110	10		



Dirt Separator with Magnet Swivel Connection

Material: Brass forging
Inside: T2 copper spiral mesh
Magnet: 10000Gauss
Removed dirt: $\geq 5\mu\text{m}$
Installation: 360° no dead angle
Medium: water, water/glycol(1:1)

MODEL	D	int	L	H	h	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[inch]	[°C]	[bar]	[g]	
T7S20	ø22	SWEAT	4.21	5.70	3.50	110	10		
T7S25	ø29	SWEAT	5.31	6.61	3.81	110	10		
T7S32	ø35	SWEAT	6.18	7.55	4.52	110	10		
T7S40	ø41	SWEAT	6.49	8.89	5.03	110	10		



Magnet Bar

Magnet: 10000Gauss

MODEL	H
	[inch]
55 071010 01	3.14

360° Rotating



Dirt Separator with Magnet

Material: Brass forging
Inside: T2 copper spiral mesh
Magnet: 10000Gauss
Removed dirt: $\geq 5\mu\text{m}$
Installation: Horizontal
Medium: water, water/glycol(1:1)

MODEL	D	int	L	H	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[°C]	[bar]	[g]	
T6P20	3/4"	PRESS	6.02	5.81	110	10		
T6P25	1"	PRESS	6.22	6.48	110	10		
T6P32	1-1/4"	PRESS	6.69	6.50	110	10		
T6P40	1-1/2"	PRESS	6.89	7.17	110	10		
T6P50	2"	PRESS	8.35	9.74	110	10		



Dirt Separator with Magnet Swivel Connection

Material: Brass forging
Inside: T2 copper spiral mesh
Magnet: 10000Gauss
Removed dirt: $\geq 5\mu\text{m}$
Installation: 360° no dead angle
Medium: water, water/glycol(1:1)

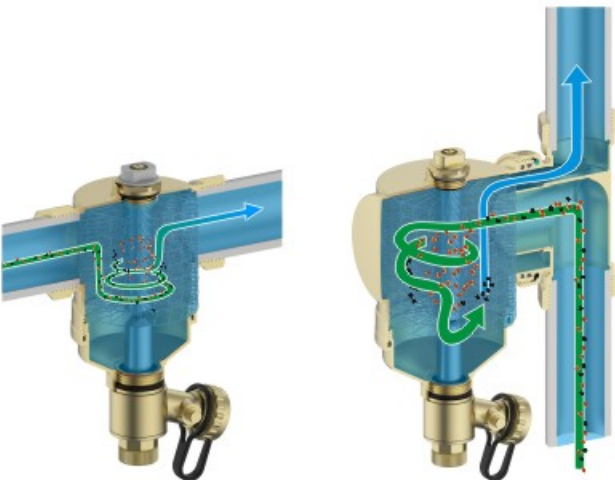
MODEL	D	int	L	H	h	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[inch]	[°C]	[bar]	[g]	
T7P20	3/4"	PRESS	4.40	7.17	6.02	110	10		
T7P25	1"	PRESS	5.55	8.14	6.65	110	10		
T7P32	1-1/4"	PRESS	6.38	9.04	7.13	110	10		
T7P40	1-1/2"	PRESS	6.69	10.27	7.75	110	10		



Drain valve

Material: Brass forging

MODEL
55 067005 01





Dirt Separator with Magnet

Material: Brass forging
Inside: T2 copper spiral mesh
Magnet: 6000Gauss
Removed dirt: $\geq 5\mu\text{m}$
Installation: Horizontal
Medium: water, water/glycol(1:1)

MODEL	D	int	L	H	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[°C]	[bar]	[g]	
T6G20	3/4"	FNPT	3.27	6.50	110	10		
T6G25	1"	FNPT	3.39	7.17	110	10		
T6G32	1-1/4"	FNPT	4.09	7.17	110	10		
T6G40	1-1/2"	FNPT	4.09	7.87	110	10		
T6G50	2"	FNPT	4.80	10.47	110	10		



Dirt Separator with Magnet Swivel Connection

Material: Brass forging
Inside: T2 copper spiral mesh
Magnet: 9000Gauss
Removed dirt: $\geq 5\mu\text{m}$
Installation: 360° no dead angle
Medium: water, water/glycol(1:1)

MODEL	D	int	L	H	h	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[inch]	[°C]	[bar]	[g]	
T7G20	3/4"	FNPT	4.41	5.71	3.27	110	10		
T7G25	1"	FNPT	5.55	6.61	3.82	110	10		
T7G32	1-1/4"	FNPT	6.38	7.56	4.53	110	10		
T7G40	1-1/2"	FNPT	6.77	8.90	5.04	110	10		



Dirt Separator with Magnet

Material: Brass forging
Inside: T2 copper spiral mesh
Magnet: 10000Gauss
Removed dirt: $\geq 5\mu\text{m}$
Installation: Horizontal
Medium: water, water/glycol(1:1)

MODEL	D	int	L	H	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[°C]	[bar]	[g]	
T6S20	ø22	SWEAT	3.26	6.49	110	10		
T6S25	ø29	SWEAT	3.85	7.16	110	10		
T6S32	ø35	SWEAT	4.48	7.16	110	10		
T6S40	ø41	SWEAT	4.80	7.87	110	10		
T6S50	ø54	SWEAT	5.98	10.47	110	10		



Dirt Separator with Magnet Swivel Connection

Material: Brass forging
Inside: T2 copper spiral mesh
Magnet: 10000Gauss
Removed dirt: $\geq 5\mu\text{m}$
Installation: 360° no dead angle
Medium: water, water/glycol(1:1)

MODEL	D	int	L	H	h	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[inch]	[°C]	[bar]	[g]	
T7S20	ø22	SWEAT	4.21	6.22	3.50	110	10		
T7S25	ø29	SWEAT	5.31	7.12	3.81	110	10		
T7S32	ø35	SWEAT	6.18	7.91	4.53	110	10		
T7S40	ø41	SWEAT	6.78	9.20	4.92	110	10		



Magnet Ring

Magnet: 9000Gauss

MODEL
57 066002 01

360° Rotating



Dirt Separator with Magnet

Material: Brass forging
Inside: T2 copper spiral mesh
Magnet: 10000Gauss
Removed dirt: $\geq 5\mu\text{m}$
Installation: Horizontal
Medium: water, water/glycol(1:1)

MODEL	D	int	L	H	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[°C]	[bar]	[g]	
T6P20	3/4"	PRESS	6.02	6.48	110	10		
T6P25	1"	PRESS	6.22	7.15	110	10		
T6P32	1-1/4"	PRESS	6.69	7.17	110	10		
T6P40	1-1/2"	PRESS	6.89	7.86	110	10		
T6P50	2"	PRESS	8.35	10.47	110	10		



Dirt Separator with Magnet Swivel Connection

Material: Brass forging
Inside: T2 copper spiral mesh
Magnet: 10000Gauss
Removed dirt: $\geq 5\mu\text{m}$
Installation: 360° no dead angle
Medium: water, water/glycol(1:1)

MODEL	D	int	L	H	h	T _{max}	P _{max}	Weight	Price
			[inch]	[inch]	[inch]	[°C]	[bar]	[g]	
T7P20	3/4"	PRESS	4.42	7.64	6.02	110	10		
T7P25	1"	PRESS	5.55	8.61	6.65	110	10		
T7P32	1-1/4"	PRESS	6.37	9.40	7.13	110	10		
T7P40	1-1/2"	PRESS	6.78	10.62	7.75	110	10		



With check valve

Material: Brass forging

MODEL
55 058060 99

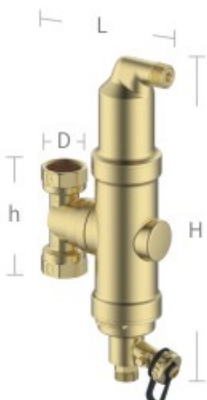




Deaerator and Dirt Separator

Material: Brass forging
Inside: T2 copper spiral mesh
Magnet: 11000Gauss
Removed microbubble: $\geq 10\mu\text{m}$
Removed dirt: $\geq 5\mu\text{m}$
Installation: Horizontal
Medium: water, water/glycol(1:1)

MODEL	D	int	L [inch]	H [inch]	T _{max} [°C]	P _{max} [bar]	Weight [g]	Price
VT6G20	3/4"	FNPT	3.78	11.42	110	10		
VT6G25	1"	FNPT	3.86	11.42	110	10		
VT6G32	1-1/4"	FNPT	4.09	10.43	110	10		
VT6G40	1-1/2"	FNPT	4.09	10.98	110	10		
VT6G50	2"	FNPT	4.13	11.77	110	10		



Deaerator and Dirt Separator

Material: Brass forging
Inside: T2 copper spiral mesh
Magnet: 11000Gauss
Removed microbubble: $\geq 10\mu\text{m}$
Removed dirt: $\geq 5\mu\text{m}$
Installation: 360° no dead angle
Medium: water, water/glycol(1:1)

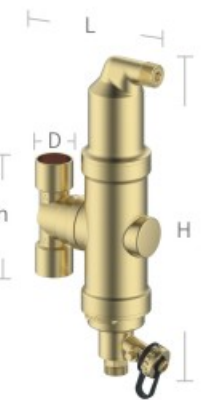
MODEL	D	int	L [inch]	H [inch]	h [inch]	T _{max} [°C]	P _{max} [bar]	Weight [g]	Price
VT7G20	3/4"	FNPT	5.00	11.42	3.07	110	10		
VT7G25	1"	FNPT	5.20	11.42	2.87	110	10		



Deaerator and Dirt Separator

Material: Brass forging
Inside: T2 copper spiral mesh
Magnet: 11000Gauss
Removed microbubble: $\geq 10\mu\text{m}$
Removed dirt: $\geq 5\mu\text{m}$
Installation: Horizontal
Medium: water, water/glycol(1:1)

MODEL	D	int	L [inch]	H [inch]	T _{max} [°C]	P _{max} [bar]	Weight [g]	Price
VT6P20	3/4"	SWEAT	3.85	11.41	110	10		
VT6P25	1"	SWEAT	4.05	11.41	110	10		
VT6P32	1-1/4"	SWEAT	4.56	10.47	110	10		
VT6P40	1-1/2"	SWEAT	4.84	11.02	110	10		
VT6P50	2"	SWEAT	5.31	11.81	110	10		



Deaerator and Dirt Separator

Material: Brass forging
Inside: T2 copper spiral mesh
Magnet: 11000Gauss
Removed microbubble: $\geq 10\mu\text{m}$
Removed dirt: $\geq 5\mu\text{m}$
Installation: 360° no dead angle
Medium: water, water/glycol(1:1)

MODEL	D	int	L [inch]	H [inch]	h [inch]	T _{max} [°C]	P _{max} [bar]	Weight [g]	Price
VT7S20	ø22	SWEAT	5.07	11.41	3.74	110	10		
VT7S25	ø29	SWEAT	5.27	11.41	4.43	110	10		



Magnet Bar

Magnet: 11000Gauss

MODEL	H [inch]
55 071010 01	3.54



Unscrew twice to exhaust



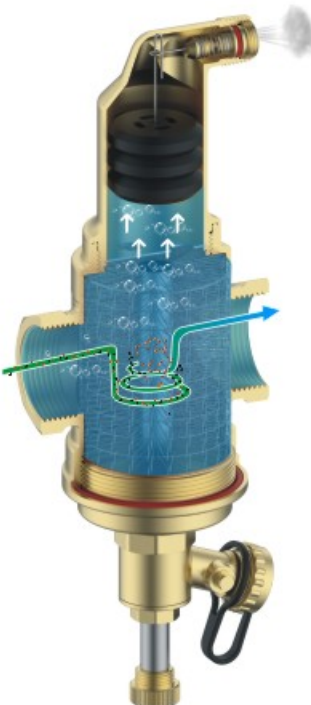
Exhaust state



Tighten two turns to close



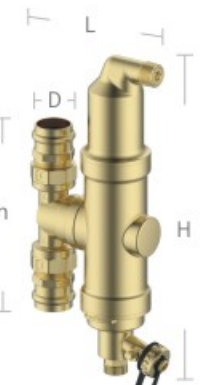
No Exhaust state



Deaerator and Dirt Separator

Material: Brass forging
Inside: T2 copper spiral mesh
Magnet: 11000Gauss
Removed microbubble: $\geq 10\mu\text{m}$
Removed dirt: $\geq 5\mu\text{m}$
Installation: Horizontal
Medium: water, water/glycol(1:1)

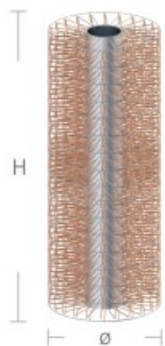
MODEL	D	int	L [inch]	H [inch]	T _{max} [°C]	P _{max} [bar]	Weight [g]	Price
VT6P20	3/4"	PRESS	6.10	11.41	110	10		
VT6P25	1"	PRESS	6.29	11.41	110	10		
VT6P32	1-1/4"	PRESS	6.69	10.47	110	10		
VT6P40	1-1/2"	PRESS	6.92	11.02	110	10		
VT6P50	2"	PRESS	7.59	11.81	110	10		



Deaerator and Dirt Separator

Material: Brass forging
Inside: T2 copper spiral mesh
Magnet: 11000Gauss
Removed microbubble: $\geq 10\mu\text{m}$
Removed dirt: $\geq 5\mu\text{m}$
Installation: 360° no dead angle
Medium: water, water/glycol(1:1)

MODEL	D	int	L [inch]	H [inch]	h [inch]	T _{max} [°C]	P _{max} [bar]	Weight [g]	Price
VT7P20	3/4"	PRESS	5.15	11.41	6.22	110	10		
VT7P25	1"	PRESS	5.35	11.41	6.57	110	10		



T2 Copper Spiral Mesh

MODEL	ø [inch]	H [inch]
35 020089 01	1.89	2.36





Deaerator and Dirt Separator

Material: Brass forging
Inside: T2 copper spiral mesh
Magnet: 11000Gauss
Removed microbubble: $\geq 10\mu\text{m}$
Removed dirt: $\geq 5\mu\text{m}$
Installation: Horizontal
Medium: water, water/glycol(1:1)

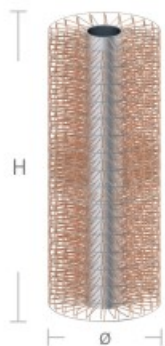
MODEL	D	int	L [inch]	H [inch]	T _{max} [°C]	P _{max} [bar]	Weight [g]	Price
VT11G20	3/4"	FNPT	3.78	11.14	110	10		
VT11G25	1"	FNPT	3.86	11.14	110	10		
VT11G32	1-1/4"	FNPT	4.09	10.23	110	10		
VT11G40	1-1/2"	FNPT	4.09	10.78	110	10		
VT11G50	2"	FNPT	4.13	11.57	110	10		



Magnet Bar

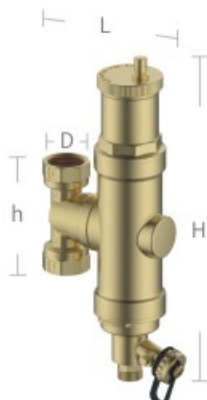
Magnet: 11000Gauss

MODEL	H [inch]
55 071010 01	3.54



T2 Copper Spiral Mesh

MODEL	Ø [inch]	H [inch]
35 020089 01	1.89	2.36



Deaerator and Dirt Separator

Material: Brass forging
Inside: T2 copper spiral mesh
Magnet: 11000Gauss
Removed microbubble: $\geq 10\mu\text{m}$
Removed dirt: $\geq 5\mu\text{m}$
Installation: 360° no dead angle
Medium: water, water/glycol(1:1)

MODEL	D	int	L [inch]	H [inch]	h [inch]	T _{max} [°C]	P _{max} [bar]	Weight [g]	Price
VT12G20	3/4"	FNPT	5.00	11.41	3.07	110	10		
VT12G25	1"	FNPT	5.20	11.41	2.87	110	10		



Tighten to close



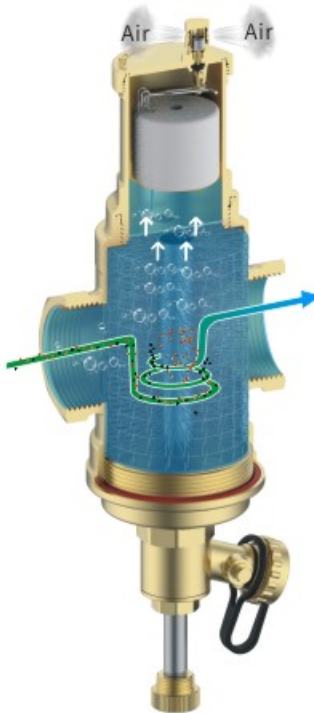
Exhaust state



Turn twice to exhaust



No Exhaust state



Deaerator and Dirt Separator

Material: Brass forging
Inside: T2 copper spiral mesh
Magnet: 11000Gauss
Removed microbubble: $\geq 10\mu\text{m}$
Removed dirt: $\geq 5\mu\text{m}$
Installation: Horizontal
Medium: water, water/glycol(1:1)

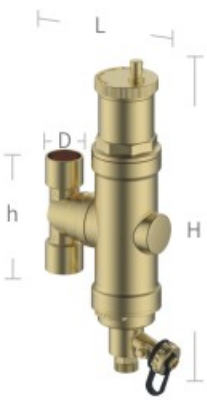
MODEL	D	int	L [inch]	H [inch]	T _{max} [°C]	P _{max} [bar]	Weight [g]	Price
VT11P20	3/4"	SWEAT	3.85	11.14	110	10		
VT11P25	1"	SWEAT	4.05	11.14	110	10		
VT11P32	1-1/4"	SWEAT	4.56	10.23	110	10		
VT11P40	1-1/2"	SWEAT	4.84	10.78	110	10		
VT11P50	2"	SWEAT	5.31	11.57	110	10		



Deaerator and Dirt Separator

Material: Brass forging
Inside: T2 copper spiral mesh
Magnet: 11000Gauss
Removed microbubble: $\geq 10\mu\text{m}$
Removed dirt: $\geq 5\mu\text{m}$
Installation: Horizontal
Medium: water, water/glycol(1:1)

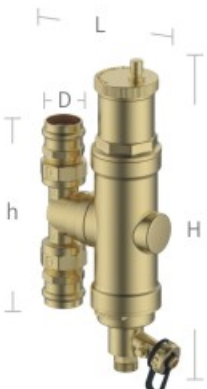
MODEL	D	int	L [inch]	H [inch]	T _{max} [°C]	P _{max} [bar]	Weight [g]	Price
VT11P20	3/4"	PRESS	6.10	11.14	110	10		
VT11P25	1"	PRESS	6.29	11.14	110	10		
VT11P32	1-1/4"	PRESS	6.69	10.23	110	10		
VT11P40	1-1/2"	PRESS	6.92	10.78	110	10		
VT11P50	2"	PRESS	7.59	11.57	110	10		



Deaerator and Dirt Separator

Material: Brass forging
Inside: T2 copper spiral mesh
Magnet: 11000Gauss
Removed microbubble: $\geq 10\mu\text{m}$
Removed dirt: $\geq 5\mu\text{m}$
Installation: 360° no dead angle
Medium: water, water/glycol(1:1)

MODEL	D	int	L [inch]	H [inch]	h [inch]	T _{max} [°C]	P _{max} [bar]	Weight [g]	Price
VT12S20	ø22	SWEAT	5.07	11.41	3.74	110	10		
VT12S25	ø29	SWEAT	5.27	11.41	4.43	110	10		



Deaerator and Dirt Separator

Material: Brass forging
Inside: T2 copper spiral mesh
Magnet: 11000Gauss
Removed microbubble: $\geq 10\mu\text{m}$
Removed dirt: $\geq 5\mu\text{m}$
Installation: 360° no dead angle
Medium: water, water/glycol(1:1)

MODEL	D	int	L [inch]	H [inch]	h [inch]	T _{max} [°C]	P _{max} [bar]	Weight [g]	Price
VT12P20	3/4"	PRESS	5.15	11.41	6.22	110	10		
VT12P25	1"	PRESS	5.35	11.41	6.57	110	10		



Air Separator

Material: Steel
Inside: T2 copper spiral mesh
Removed microbubble: $\geq 10\mu\text{m}$
Installation: Horizontal
Medium: water, water/glycol(1:1)



Leak-proof automatic air vent



T2 copper spiral mesh

			Nom.Flow rate:1.5m/s						High flow rate:3.0m/s					
Connection size	øD	L	Model	H	Des.Flow	ΔP at Des. Flow	Volume	Weight	Model	H	Des.Flow	ΔP at Des. Flow	Volume	Weight
[DN]	[inch]	[inch]		[inch]	[m³/h]	[kPa]	[ltr]	[kg]		[inch]	[m³/h]	[kPa]	[ltr]	[kg]
DN50	6.26	13.78	V8EF50P16T110	21.65	12.5	2.9	5	14	V8HEF50P16T110	27.95	25	11.7	7	17
DN65	6.26	13.78	V8EF65P16T110	21.65	20.0	2.6	5	15	V8HEF65P16T110	27.95	40	11.9	7	19
DN80	8.62	18.50	V8EF80P16T110	25.98	27.0	2.9	17	25	V8HEF80P16T110	33.86	54	12.4	25	32
DN100	8.62	18.70	V8EF100P16T110	25.98	47.0	3.7	17	27	V8HEF100P16T110	33.86	94	14.7	25	33
DN125	12.80	25.00	V8EF125P16T110	32.68	72.0	4.2	50	54	V8HEF125P16T110	43.70	144	16.9	75	71
DN150	12.80	25.00	V8EF150P16T110	32.68	108.0	4.9	50	57	V8HEF150P16T110	43.70	215	19.2	75	74
DN200	15.98	30.51	V8EF200P16T110	42.52	180.0	5.8	105	106	V8HEF200P16T110	55.91	360	23.5	150	137
DN250	20.00	35.04	V8EF250P16T110	52.36	288.0	6.9	210	171	V8HEF250P16T110	72.05	575	27.5	300	212
DN300	24.02	39.57	V8EF300P16T110	60.83	405.0	7.7	350	252	V8HEF300P16T110	84.25	810	31.2	500	392



Air Separator

Material: Steel
Inside: T2 copper spiral mesh
Removed microbubble: $\geq 10\mu\text{m}$
Installation: Horizontal
Medium: water, water/glycol(1:1)



Leak-proof automatic air vent



T2 copper spiral mesh

			Nom.Flow rate:1.5m/s						High flow rate:3.0m/s					
Connection size	øD	L	Model	H	Des.Flow	ΔP at Des. Flow	Volume	Weight	Model	H	Des.Flow	ΔP at Des. Flow	Volume	Weight
[DN]	[inch]	[inch]		[inch]	[m³/h]	[kPa]	[ltr]	[kg]		[inch]	[m³/h]	[kPa]	[ltr]	[kg]
DN350	28.11	43.31	V8EF350P16T150	68.11	550	8.0	549	426	V8HEF350P16T150	98.03	1100	31.0	757	581
DN400	32.13	47.24	V8EF400P16T150	75.98	710	9.0	814	578	V8HEF400P16T150	109.06	1420	34.0	1136	791
DN450	36.06	51.18	V8EF450P16T150	85.04	910	10.0	1155	755	V8HEF450P16T150	114.96	1820	39.0	1590	1041
DN500	40.16	55.12	V8EF500P16T150	92.91	1110	11.0	1590	1142	V8HEF500P16T150	132.28	2220	43.0	2195	1591
DN600	48.03	62.99	V8EF600P16T150	103.54	1580	12.2	-	-	V8HEF600P16T150	148.43	3160	47.0	-	-

-Remark:The pressure and temperature design for DN700-DN1000 need to change according to customers' real application (manhole door is optional for big size connection products) .You can contact with our company for bespoke.



Dirt separator

Material: Steel
Inside: T2 copper spiral mesh
Removed dirt: $\geq 5\mu\text{m}$
Installation: Horizontal
Medium: water, water/glycol(1:1)



1" Drain valve



T2 copper spiral mesh

			Nom.Flow rate:1.5m/s						High flow rate:3.0m/s					
Connection size	øD	L	Model	H	Des.Flow	ΔP at Des. Flow	Volume	Weight	Model	H	Des.Flow	ΔP at Des. Flow	Volume	Weight
[DN]	[inch]	[inch]		[inch]	[m³/h]	[kPa]	[ltr]	[kg]		[inch]	[m³/h]	[kPa]	[ltr]	[kg]
DN50	6.26	13.78	T8EF50P16T110	15.35	12.5	2.9	5	13	T8HEF50P16T110	21.65	25	11.7	7	17
DN65	6.26	13.78	T8EF65P16T110	15.35	20.0	2.6	5	15	T8HEF65P16T110	21.65	40	11.9	7	18
DN80	8.62	18.50	T8EF80P16T110	19.69	27.0	2.9	17	25	T8HEF80P16T110	27.56	54	12.4	25	31
DN100	8.62	18.70	T8EF100P16T110	19.69	47.0	3.7	17	26	T8HEF100P16T110	27.56	94	14.7	25	33
DN125	12.80	25.00	T8EF125P16T110	26.38	72.0	4.2	50	54	T8HEF125P16T110	37.40	144	16.9	75	71
DN150	12.80	25.00	T8EF150P16T110	26.38	108.0	4.9	50	56	T8HEF150P16T110	37.40	215	19.2	75	73
DN200	15.98	30.51	T8EF200P16T110	35.43	180.0	5.8	105	105	T8HEF200P16T110	48.82	360	23.5	150	136
DN250	20.00	35.04	T8EF250P16T110	45.87	288.0	6.9	210	170	T8HEF250P16T110	65.75	575	27.5	300	213
DN300	24.02	39.57	T8EF300P16T110	54.33	405.0	7.7	350	252	T8HEF300P16T110	77.95	810	31.2	500	393



Dirt separator

Material: Steel
Inside: T2 copper spiral mesh
Removed dirt: $\geq 5\mu\text{m}$
Installation: Horizontal
Medium: water, water/glycol(1:1)



DN50 Drain valve(360° Rotating)



T2 copper spiral mesh

			Nom.Flow rate:1.5m/s						High flow rate:3.0m/s					
Connection size	øD	L	Model	H	Des.Flow	ΔP at Des. Flow	Volume	Weight	Model	H	Des.Flow	ΔP at Des. Flow	Volume	Weight
[DN]	[inch]	[inch]		[inch]	[m³/h]	[kPa]	[ltr]	[kg]		[inch]	[m³/h]	[kPa]	[ltr]	[kg]
DN350	28.11	43.31	T8EF350P16T110	61.02	550	8.0	549	426	T8HEF350P16T110	88.98	1100	31.0	757	581
DN400	32.13	47.24	T8EF400P16T110	68.90	710	9.0	814	578	T8HEF400P16T110	100.00	1420	34.0	1136	791
DN450	36.06	51.18	T8EF450P16T110	77.95	910	10.0	1155	755	T8HEF450P16T110	112.20	1820	39.0	1590	1041
DN500	40.16	55.12	T8EF500P16T110	85.83	1110	11.0	1590	1142	T8HEF500P16T110	123.23	2220	43.0	2195	1591
DN600	48.03	62.99	T8EF600P16T110	96.46	1580	12.2	-	-	T8HEF600P16T110	137.01	3160	47.0	-	-

-Remark:The pressure and temperature design for DN700-DN1000 need to change according to customers' real application (manhole door is optional for big size connection products) .You can contact with our company for bespoke.



Air&Dirt Separator

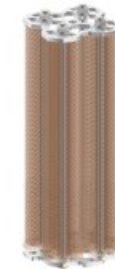
Material: Steel
Inside: T2 copper spiral mesh
Removed microbubble: $\geq 10\mu\text{m}$
Removed dirt: $\geq 5\mu\text{m}$
Installation: Horizontal
Medium: water, water/glycol(1:1)



Leak-proof
automatic air vent



1" Drain valve



T2 copper spiral mesh

Connection size [DN]	øD [inch]	L [inch]	Nom.Flow rate:1.5m/s						High flow rate:3.0m/s					
			Model	H [inch]	Des.Flow [m³/h]	ΔP at Des. Flow [kPa]	Volume [ltr]	Weight [kg]	Model	H [inch]	Des.Flow [m³/h]	ΔP at Des. Flow [kPa]	Volume [ltr]	Weight [kg]
DN50	6.26	13.78	VT8EF50P16T110	27.95	12.5	2.9	7	17	VT8HEF50P16T110	38.98	25.0	11.7	10	23
DN65	6.26	13.78	VT8EF65P16T110	27.95	20.0	2.6	7	18	VT8HEF65P16T110	38.98	40.0	11.9	10	24
DN80	8.62	18.50	VT8EF80P16T110	34.06	27.0	2.9	25	31	VT8HEF80P16T110	48.23	54.0	12.4	37	43
DN100	8.62	18.70	VT8EF100P16T110	34.06	47.0	3.7	25	33	VT8HEF100P16T110	48.23	94.0	14.7	37	45
DN125	12.80	25.00	VT8EF125P16T110	43.90	72.0	4.2	75	70	VT8HEF125P16T110	64.96	144.0	16.9	115	102
DN150	12.80	25.00	VT8EF150P16T110	43.90	108.0	4.9	75	73	VT8HEF150P16T110	64.96	215.0	19.2	115	105
DN200	15.98	30.51	VT8EF200P16T110	54.92	180.0	5.8	150	135	VT8HEF200P16T110	81.69	360.0	23.5	230	195
DN250	20.00	35.04	VT8EF250P16T110	71.26	288.0	6.9	300	252	VT8HEF250P16T110	108.66	575.0	27.5	500	343
DN300	24.02	39.57	VT8EF300P16T110	82.87	405.0	7.7	500	325	VT8HEF300P16T110	128.74	810.0	31.2	830	484



Hydraulic air/dirt separator

Material: Steel
Inside: T2 copper spiral mesh
Removed microbubble: $\geq 10\mu\text{m}$
Removed dirt: $\geq 5\mu\text{m}$
Installation: Horizontal
Medium: water, water/glycol(1:1)



Leak-proof
automatic air vent



1" Drain valve



T2 copper spiral mesh

Connection size [DN]	øD [inch]	L [inch]	Model	H [inch]	h [inch]	h1 [inch]	h2 [inch]	Des.Flow [m³/h]	Avg. Flow Rate [L/S]	Volume [ltr]	Weight [kg]
DN50	6.26	13.78	VT11EF50P16T110	32.09	9.37	9.45	13.27	12.5	3.47	12.0	26.0
DN65	6.26	13.78	VT11EF65P16T110	35.63	9.88	12.01	13.74	20.0	5.56	13.0	31.0
DN80	8.62	18.50	VT11EF80P16T110	39.33	10.63	14.17	14.53	27.0	7.50	29.0	49.0
DN100	8.62	18.70	VT11EF100P16T110	49.65	13.82	18.11	17.72	47.0	13.06	38.0	60.0
DN125	12.80	25.00	VT11EF125P16T110	60.87	17.44	22.05	21.38	72.0	20.00	105.0	119.0
DN150	12.80	25.00	VT11EF150P16T110	70.12	19.88	26.38	23.86	108.0	30.00	123.0	140.0
DN200	15.98	30.51	VT11EF200P16T110	91.38	26.57	34.25	30.55	180.0	50.00	252.0	274.0
DN250	20.00	35.04	VT11EF250P16T110	112.99	32.87	43.31	36.81	288.0	80.00	501.0	413.0
DN300	24.02	39.57	VT11EF300P16T110	133.39	39.21	50.98	43.19	405.0	112.50	859.0	656.0



Air&Dirt Separator

Material: Steel
Inside: T2 copper spiral mesh
Removed microbubble: $\geq 10\mu\text{m}$
Removed dirt: $\geq 5\mu\text{m}$
Installation: Horizontal
Medium: water, water/glycol(1:1)



Leak-proof
automatic air vent



DN50 Drain valve
(360° Rotating)



T2 copper spiral mesh

Connection size [DN]	øD [inch]	L [inch]	Nom.Flow rate:1.5m/s						High flow rate:3.0m/s					
			Model	H [inch]	Des.Flow [m³/h]	ΔP at Des. Flow [kPa]	Volume [ltr]	Weight [kg]	Model	H [inch]	Des.Flow [m³/h]	ΔP at Des. Flow [kPa]	Volume [ltr]	Weight [kg]
DN350	28.11	43.31	VT8EF350P16T110	99.61	550	8.0	740	560	VT8HEF350P16T110	143.31	1100	31.0	1175	859
DN400	32.13	47.24	VT8EF400P16T110	112.99	710	9.0	1120	780	VT8HEF400P16T110	155.51	1420	34.0	1780	1186
DN450	36.06	51.18	VT8EF450P16T110	125.20	910	10.0	1630	1020	VT8HEF450P16T110	173.23	1820	39.0	2536	1570
DN500	40.16	55.12	VT8EF500P16T110	137.01	1110	11.0	2250	1420	VT8HEF500P16T110	186.61	2220	43.0	-	-
DN600	48.03	62.99	VT8EF600P16T110	161.42	1580	12.2	3890	2200	VT8HEF600P16T110	206.69	3160	47.0	-	-

-Remark: The pressure and temperature design for DN700-DN1000 need to change according to customers' real application (manhole door is optional for big size connection products) .You can contact with our company for bespoke.

