

Data sheet

Strainers

type FA



Strainer type FA with interchangeable filter insert is used in lines carrying fluorinated refrigerants, ammonia, water, brine, oil, and gas.

Features

- Retains contaminants, e.g. slag, and weld beads and swarf.
- Pressure drop insignificant
- Classification: DNV, CRN, BV, EAC etc. To get an updated list of certification on the products please contact your local Danfoss Sales Company.

Technical data

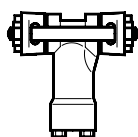
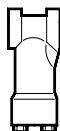
- *Temperature of media*
–50 – +140°C
- *Max. working pressure*
PS = 28 bar
- *Max. test pressure*
p' = 42 bar
- *Filter insert*
Stainless steel weave, mesh size 150μ (100 mesh)

Materials

- Gaskets are non asbestos
- Valve housing made of GGG - 40.3

Ordering

Complete valves



¹⁾ The k_v value is the flow of water in m^3/h at a pressure drop in the strainer of 1 bar, $\rho = 1000 \text{ kg/m}^3$.

²⁾ Code no. with bolts, screws and gaskets but without flanges

³⁾ Code no. with flanges, bolts, screws and gaskets.

Type	Application	Connection to valve or pipeline	Strainer area cm^2	Strainer vol. cm^3	k_v value ¹⁾ m^3/h	Staybolts	Code no.
FA 15	For direct fitting on valve	6 F, TE 12, CVM	40	68	3.3	M12 × 180	006-0040 ²⁾
		TEA 20, TEAT 20, TEVA 20			3.3	M12 × 170	006-0042 ²⁾
		EVR 15, EVRA 3			3.3	M12 × 188	006-0043 ²⁾
		EVRA/T 10-15			3.3	M12 × 107	006-1012 ²⁾
FA 20	For direct fitting on valve	EVR 20	60	145	7.0	M12 × 240	006-0046 ²⁾
		TEA 85, TEAT 85, TEVA 85			7.0	M12 × 206	006-0048 ²⁾
		EVRA/T 20			7.0	M12 × 127	006-1013 ²⁾
FA 15	For fitting in pipelines	1/4 in. weld flanges	40	68	1.9	M12 × 127	006-0050 ³⁾
		3/8 in. weld flanges			2.6	M12 × 127	006-0051 ³⁾
		1/2 in. weld flanges			3.5	M12 × 127	006-0052 ³⁾
		3/4 in. weld flanges			3.5	M12 × 127	006-0053 ³⁾
		1/2 in. solder flanges			2.6	M12 × 127	006-0057 ³⁾
		5/8 in. solder flanges			3.4	M12 × 127	006-0058 ³⁾
		3/4 in. solder flanges			3.2	M12 × 127	006-0059 ³⁾
		7/8 in. solder flanges			3.5	M12 × 127	006-0075 ³⁾
		1 in. solder flanges			3.5	M12 × 127	006-0060 ³⁾
FA 20	For fitting in pipelines	1/2 in. weld flanges	60	145	5.1	M12 × 160	006-0065 ³⁾
		3/4 in. weld flanges			7.4	M12 × 160	006-0066 ³⁾
		1 in. weld flanges			7.4	M12 × 160	006-0067 ³⁾
		5/8 in. solder flanges			5.1	M12 × 160	006-0071 ³⁾
		1 1/8 in. solder flanges			7.3	M12 × 160	006-0074 ³⁾

Components / Accessories

Strainer housing without flanges

Type	Strainer area cm^2	Strainer volume cm^3	k_v value ¹⁾ m^3/h	Code no.
FA 15	40	68	3.3	036-0060
FA 20	60	145	7.0	036-0061 ²⁾
FA 20	60	145	7.0	036-0062 ³⁾

¹⁾ The k_v value is the flow of water in m^3/h at a pressure drop in the strainer of 1 bar, $\rho = 1000 \text{ kg/m}^3$.

²⁾ For direct fitting in pipeline.

³⁾ For direct fitting on to valves.

Single flanges with flange gaskets for FA 15

Version	Type	Code no.
3/8 in. weld	T	006-1120
	G	006-1121
1/2 in. weld	T	006-1122
	G	006-1123
3/4 in. weld	T	006-1124
	G	006-1125
5/8 in. solder	T	006-1162
	G	006-1163
7/8 in. solder	T	006-1176
	G	006-1177

Staybolt set with gaskets

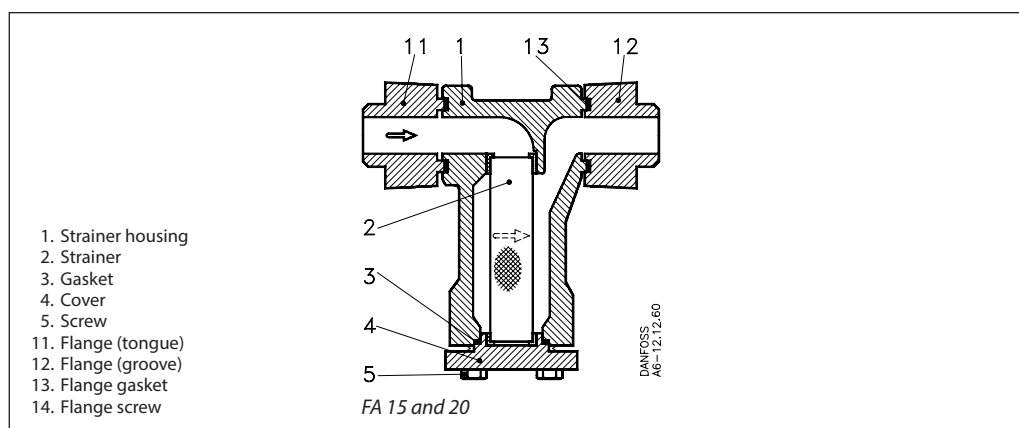
Version	Code no.
M12 × 107 mm	006-1101
M12 × 127 mm	006-1108
M12 × 160 mm	006-1136
M12 × 170 mm	006-1103
M12 × 180 mm	006-1102
M12 × 188 mm	006-1104
M12 × 206 mm	006-1106
M12 × 240 mm	006-1105

Single flanges with flange gaskets for FA 20 ¹⁾

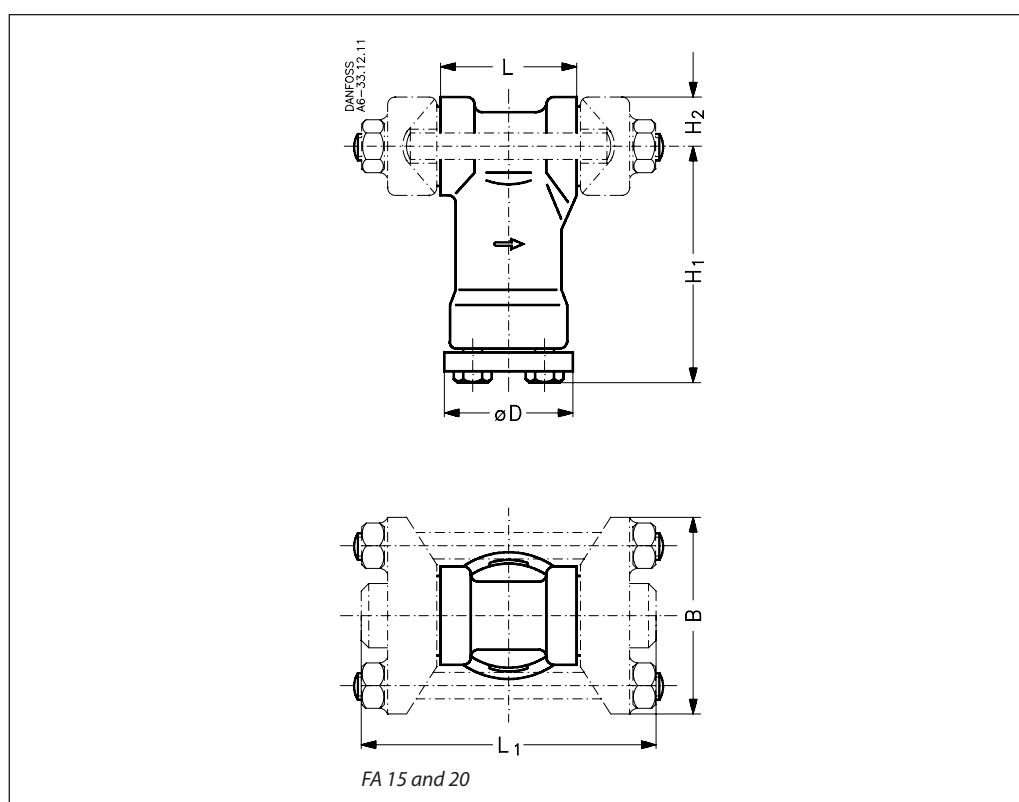
Version	Type	Code no.
3/4 in. weld	T	006-1128
	G	006-1129
1 in. weld	T	006-1130
	G	006-1131
1 1/8 in. solder	T	006-1174
	G	006-1175

¹⁾ Only for code no. **036-0061**.

Design



Dimensions and weights



Type	Code no.	H ₁ mm	H ₂ mm	L mm	Weld flanges	Solder flanges	B mm	Ø D mm	Weight kg
					L ₁ mm	L ₁ mm			
FA 15	006-0040 → 006-0043	95	20	54				51	1.2
FA 15	006-0050 → 006-0058	95	20		116	109	80	51	1.7
FA 20	006-0046 → 006-0048	106	26	72				60	2.2
FA 20	006-0065 → 006-0074	106	26		142	137	96	60	2.9

