

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

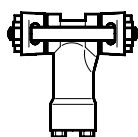
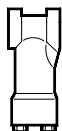
- Retains contaminants, e.g. slag, and weld beads and swarf.
- Pressure drop insignificant
- Classification: DNV, CRN, BV, EAC etc. To get an updated list of certification on the products please contact your local Danfoss Sales Company.

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

**Components / Accessories**
**Strainer housing without flanges**

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

- 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	<b>006-1120</b>
	G	<b>006-1121</b>
1/2 in. weld	T	<b>006-1122</b>
	G	<b>006-1123</b>
3/4 in. weld	T	<b>006-1124</b>
	G	<b>006-1125</b>
5/8 in. solder	T	<b>006-1162</b>
	G	<b>006-1163</b>
7/8 in. solder	T	<b>006-1176</b>
	G	<b>006-1177</b>

**Staybolt set with gaskets**

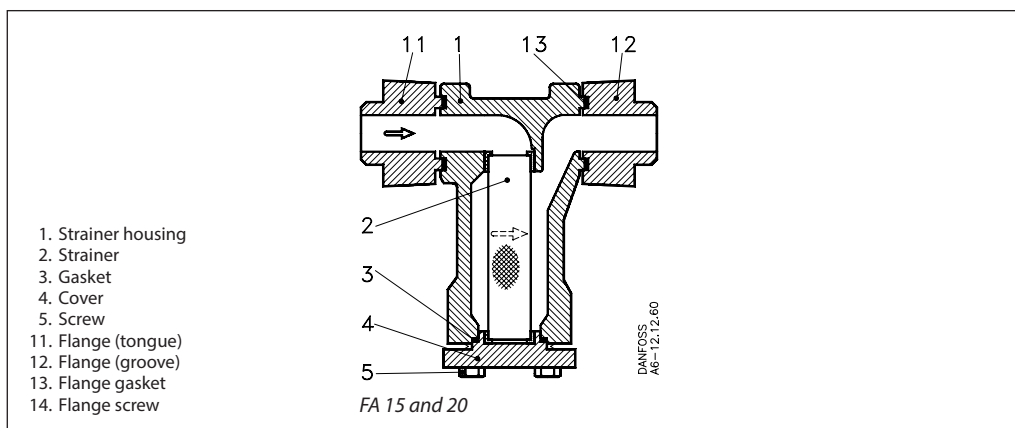
Version	Code no.
M12 × 107 mm	<b>006-1101</b>
M12 × 127 mm	<b>006-1108</b>
M12 × 160 mm	<b>006-1136</b>
M12 × 170 mm	<b>006-1103</b>
M12 × 180 mm	<b>006-1102</b>
M12 × 188 mm	<b>006-1104</b>
M12 × 206 mm	<b>006-1106</b>
M12 × 240 mm	<b>006-1105</b>

**Single flanges with flange gaskets for FA 20 <sup>1)</sup>**

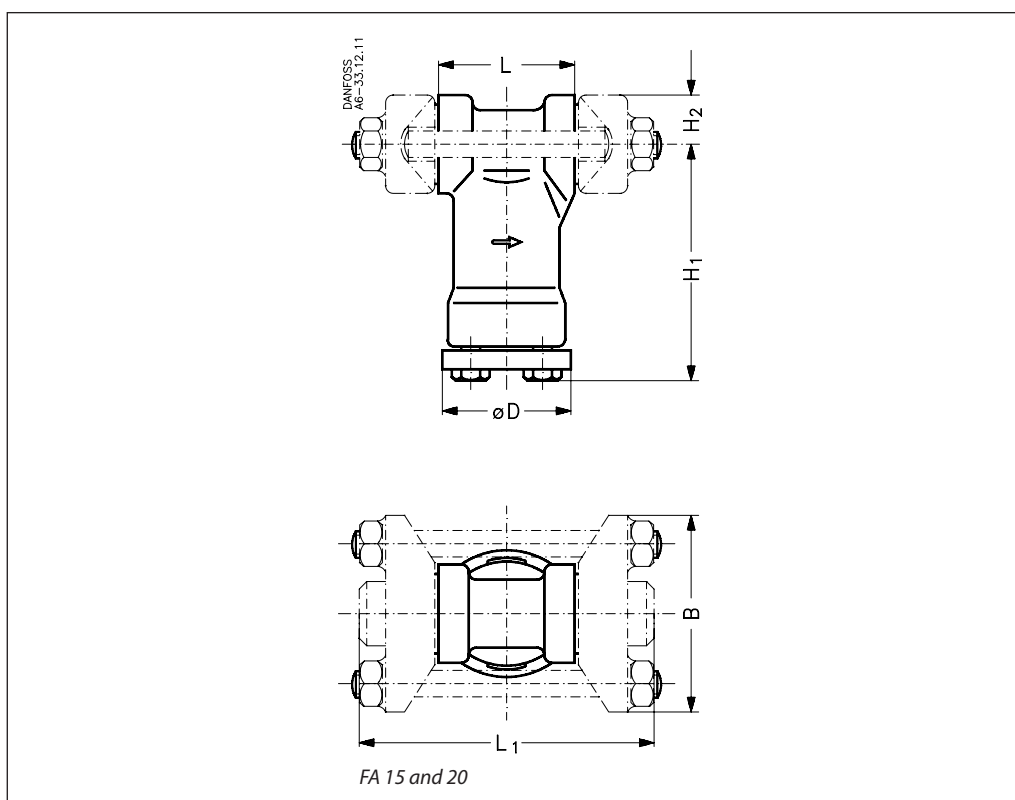
Version	Type	Code no.
3/4 in. weld	T	<b>006-1128</b>
	G	<b>006-1129</b>
1 in. weld	T	<b>006-1130</b>
	G	<b>006-1131</b>
1 1/8 in. solder	T	<b>006-1174</b>
	G	<b>006-1175</b>

- 1) Only for code no. **036-0061**.

Design



Dimensions and weights



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

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