

Technical leaflet

**Strainers**

Type FA



Introduction



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

Technical data

Temperature of media  
-50 → +140°C

Max. test pressure  
p' = 42 bar

Max. working pressure  
PB = 28 bar

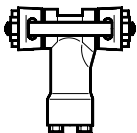
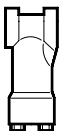
Filter insert  
Stainless steel weave, mesh size 150µ (100 mesh)

Materials

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

Ordering

Complete valves



Type	Application	Connection to valve or pipeline	Strainer area cm <sup>2</sup>	Strainer vol. cm <sup>3</sup>	k <sub>v</sub> value <sup>1)</sup> m <sup>3</sup> /h	Staybolts	Code no.
FA 15	For direct fitting on valve	6 F, TE 12, CVM	40	68	3.3	M12 × 180	006-0040 <sup>2)</sup>
		TEA 20, TEAT 20, TEVA 20			3.3	M12 × 170	006-0042 <sup>2)</sup>
		EVR 15, EVRA 3			3.3	M12 × 188	006-0043 <sup>2)</sup>
		EVRA/T 10-15			3.3	M12 × 107	006-1012 <sup>2)</sup>
FA 20	For direct fitting on valve	EVR 20	60	145	7.0	M12 × 240	006-0046 <sup>2)</sup>
		TEA 85, TEAT 85, TEVA 85			7.0	M12 × 206	006-0048 <sup>2)</sup>
		EVRA/T 20			7.0	M12 × 127	006-1013 <sup>2)</sup>
FA 15	For fitting in pipelines	1/4 in. weld flanges	40	68	1.9	M12 × 127	006-0050 <sup>3)</sup>
		3/8 in. weld flanges			2.6	M12 × 127	006-0051 <sup>3)</sup>
		1/2 in. weld flanges			3.5	M12 × 127	006-0052 <sup>3)</sup>
		3/4 in. weld flanges			3.5	M12 × 127	006-0053 <sup>3)</sup>
		1/2 in. solder flanges			2.6	M12 × 127	006-0057 <sup>3)</sup>
		5/8 in. solder flanges			3.4	M12 × 127	006-0058 <sup>3)</sup>
		3/4 in. solder flanges			3.2	M12 × 127	006-0059 <sup>3)</sup>
		7/8 in. solder flanges			3.5	M12 × 127	006-0075 <sup>3)</sup>
		1 in. solder flanges			3.5	M12 × 127	006-0060 <sup>3)</sup>
FA 20	For fitting in pipelines	1/2 in. weld flanges	60	145	5.1	M12 × 160	006-0065 <sup>3)</sup>
		3/4 in. weld flanges			7.4	M12 × 160	006-0066 <sup>3)</sup>
		1 in. weld flanges			7.4	M12 × 160	006-0067 <sup>3)</sup>
		5/8 in. solder flanges			5.1	M12 × 160	006-0071 <sup>3)</sup>
		3/4 in. solder flanges			6.5	M12 × 160	006-0072 <sup>3)</sup>
		1 1/8 in. solder flanges			7.3	M12 × 160	006-0074 <sup>3)</sup>

<sup>1)</sup> The k<sub>v</sub> value is the flow of water in m<sup>3</sup>/h at a pressure drop in the strainer of 1 bar, ρ = 1000 kg/m<sup>3</sup>.

<sup>2)</sup> Code no. with bolts, screws and gaskets but without flanges

<sup>3)</sup> Code no. with flanges, bolts, screws and gaskets.

**Ordering (continued)**
**Components  
Accessories**
**Strainer housing without flanges**

Type	Strainer area cm <sup>3</sup>	Strainer volume cm <sup>3</sup>	k <sub>v</sub> value <sup>1)</sup> m <sup>3</sup> /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>

<sup>1)</sup> The k<sub>v</sub> value is the flow of water in m<sup>3</sup>/h at a pressure drop in the strainer of 1 bar, ρ = 1000 kg/m<sup>3</sup>.

<sup>2)</sup> For direct fitting in pipeline.

<sup>3)</sup> For direct fitting on to valves.

**Flange set for FA 15 <sup>1)</sup>**

Version	Code no.
1/4 in. weld	<b>006-1110</b>
3/8 in. weld	<b>006-1111</b>
1/2 in. weld	<b>006-1112</b>
3/4 in. weld	<b>006-1113</b>
1/2 in. solder	<b>006-1150</b>
5/8 in. solder	<b>006-1151</b>
3/4 in. solder	<b>006-1152</b>
7/8 in. solder	<b>006-1158</b>
1 in. solder	<b>006-1153</b>

<sup>1)</sup> Supplied with tongue / groove flange with staybolt set M12 × 127 mm.

**Flange set for FA 20 <sup>1)</sup>**

Version	Code no. <sup>2)</sup>
1/2 in. weld	<b>006-1114</b>
3/4 in. solder	<b>006-1155</b>
1 in. solder	<b>006-1156</b>
1 1/8 in. solder	<b>006-1157</b>
22 mm solder	<b>006-1180</b>

<sup>1)</sup> Only for code no. 036-0061.

<sup>2)</sup> Supplied with tongue / groove flange, staybolt set M12 × 160 mm and gaskets.

**Single flanges with flange gaskets for FA 15**

Version	Type	Code no.
1/4 in. weld	T	<b>006-1118</b>
	G	<b>006-1119</b>
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>
1/2 in. solder	T	<b>006-1160</b>
	G	<b>006-1161</b>
5/8 in. solder	T	<b>006-1162</b>
	G	<b>006-1163</b>
3/4 in. solder	T	<b>006-1164</b>
	G	<b>006-1165</b>
7/8 in. solder	T	<b>006-1176</b>
	G	<b>006-1177</b>
1 in. solder	T	<b>006-1166</b>
	G	<b>006-1167</b>

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

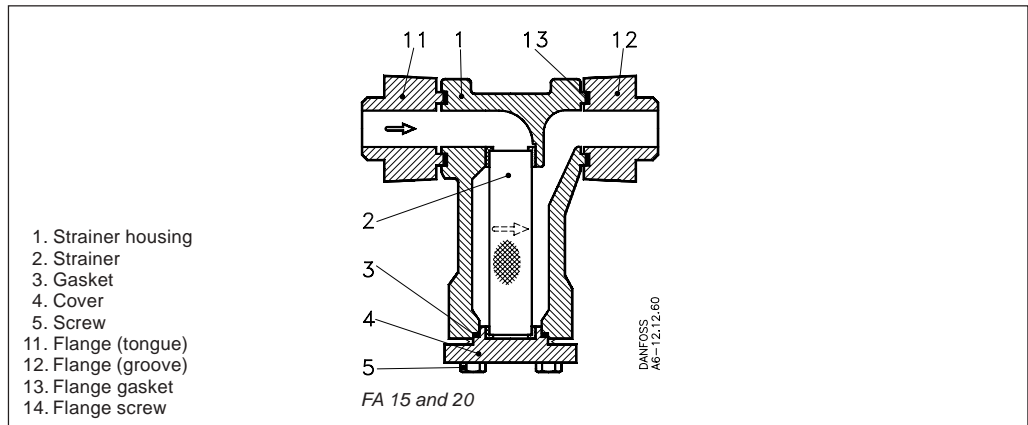
Version	Type	Code no.
1/2 in. weld	T	<b>006-1126</b>
	G	<b>006-1127</b>
3/4 in. weld	T	<b>006-1128</b>
	G	<b>006-1129</b>
1 in. weld	T	<b>006-1130</b>
	G	<b>006-1131</b>
5/8 in. solder	T	<b>006-1168</b>
	G	<b>006-1169</b>
3/4 in. solder	T	<b>006-1170</b>
	G	<b>006-1171</b>
1 in. solder	T	<b>006-1172</b>
	G	<b>006-1173</b>
1 1/8 in. solder	T	<b>006-1174</b>
	G	<b>006-1175</b>
22 mm solder	T	<b>006-1178</b>
	G	<b>006-1179</b>

<sup>1)</sup> Only for code no. 036-0061.

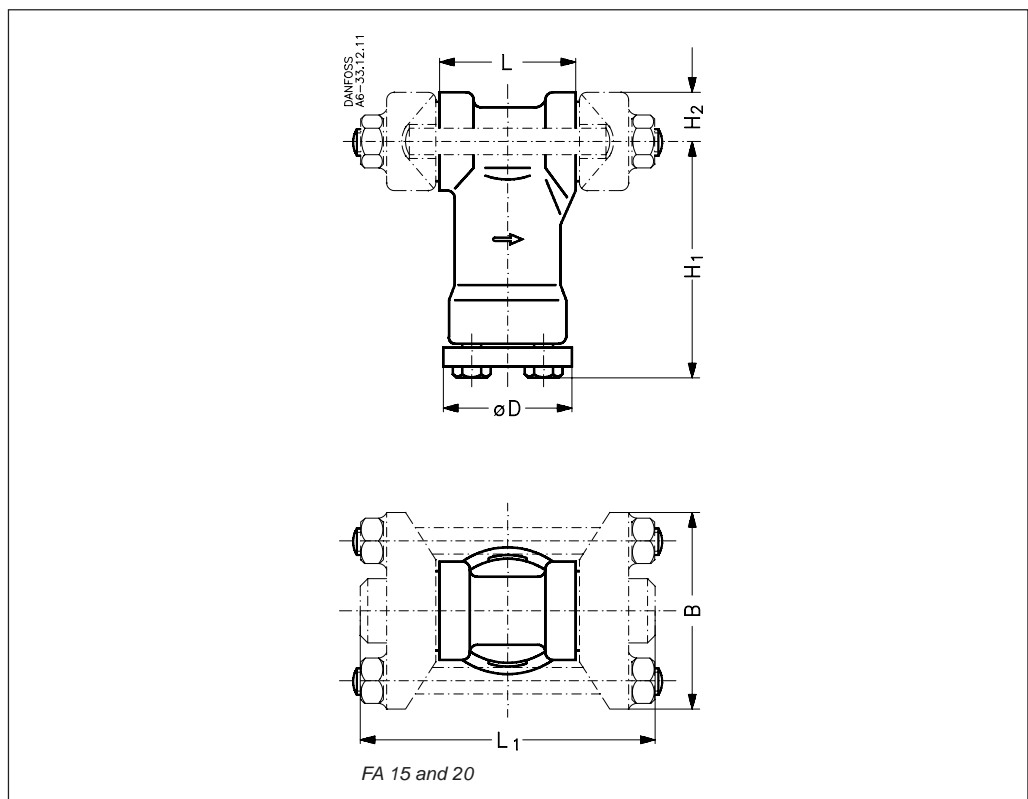
**Staybolt set with gaskets**

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>

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	∅ D mm	Weight kg
					L <sub>1</sub> mm	L <sub>1</sub> 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

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