



## **Strainers, type FA**

**Introduction**

Designed for industrial applications, type FA strainers have a replaceable filter insert and insignificant pressure drop.

**Application**

Installed close-coupled with valves, FA strainers prevent contaminants from reaching the valve and system. For use with all common refrigerants and with any non-corrosive gas or liquid.

**Features**

Retains contaminants including slag, weld beads, and filings.


**Technical data**

Media temperature:	-58°F to 284°F (-50°C to 140°C)	Strainer insert:	100 mesh stainless steel (150 microns)
Maximum working pressure:	406 psig (28 bar)	Strainer area:	FA 15, 6.2 in <sup>2</sup> (40 cm <sup>2</sup> ) FA 20, 9.3 in <sup>2</sup> (60 cm <sup>2</sup> )
Maximum test pressure:	609 psig (42 bar)		
Housing (body) material:	GGG-40.3		

**Ordering**

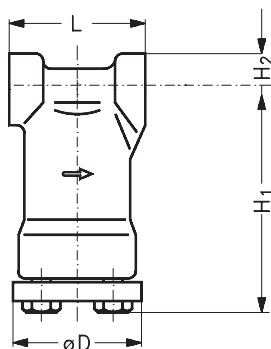

Valve Size	Nominal Port Size	C <sub>V</sub> (K <sub>V</sub> ) Values*	Will directly connect with valves	Staybolts	Ordering Code Number**
FA 15	1/2"	3.8 (3.3)	Solenoid valve type EVRA 3	M12 X 188	<b>006-0043</b>
			Solenoid valves type EVRA 10, EVRAT 10, EVRA 15, EVRAT 15	M12 X 107	<b>006-1012</b>
			Thermostatic valves type TEA 20, TEAT 20, TEVA 20	M12 X 170	<b>006-0042</b>
FA 20	3/4"	8.0 (7.0)	Solenoid valves type EVRA 20, EVRAT 20	M12 X 127	<b>006-1013</b>
			Thermostatic valves type TEA 85, TEAT 85, TEVA 85	M12 X 206	<b>006-0048</b>

\* C<sub>V</sub> is the water flow in gal/min at a pressure drop across the valve Δp = 1 psi, ρ = 10 lbs/gal.

K<sub>V</sub> is the water flow in m<sup>3</sup>/h at a pressure drop across the valve of 1 bar, ρ = 1000 kg/m<sup>3</sup>.

\*\*Code number includes FA strainer, bolts, nuts, and gaskets and does not include flanges.

Note: For stand-alone strainers, see strainers (filters) type FIA.

**Dimensions and weight**


Strainer type	H <sub>1</sub>		H <sub>2</sub>		L		ØD		Weight	
	in.	mm	in.	mm	in.	mm	in.	mm	lbs	kg
FA 15	3.7	95	0.8	20	2.1	54	2.0	51	2.7	1.2
FA 20	4.2	106	1.0	26	2.8	72	2.4	60	4.9	2.2

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