

High-Capacity VANGUARD General Purpose Filters

FD100 Models Port Sizes: 3/4, 1



Model Shown: FD100-8

- ◆ Inline mounting.
- ◆ 5- μ m-rated polyethylene filter element; optional sintered bronze elements.
- ◆ High-strength polycarbonate plastic filter bowl with steel shatterguard; optional metal bowl with clear nylon sight glass.
- ◆ Internal automatic drain; optional manual drain or external Hydro-Jector drain.
- ◆ NPTF port threads; optional SAE or BSPP threads.

SPECIFICATIONS

Ambient/Media Temperature:

Plastic Bowl: 40° to 125°F (4° to 52°C).

Metal Bowl: 40° to 175°F (4° to 79°C).

Bowl: Aluminum.

Bowl: 16-Ounce (480-ml) capacity polycarbonate plastic with steel shatterguard; optional aluminum bowl with clear nylon sight glass.

Bowl Drain: Internal automatic drain; optional manual drain or external Hydro-Jector drain.

Bowl Ring: Aluminum.

Filter Element: 5- μ m-rated polyethylene; optional 5- μ m, 20- μ m, or 40- μ m sintered bronze.

Fluid Media: Compressed air.

Inlet Pressure:

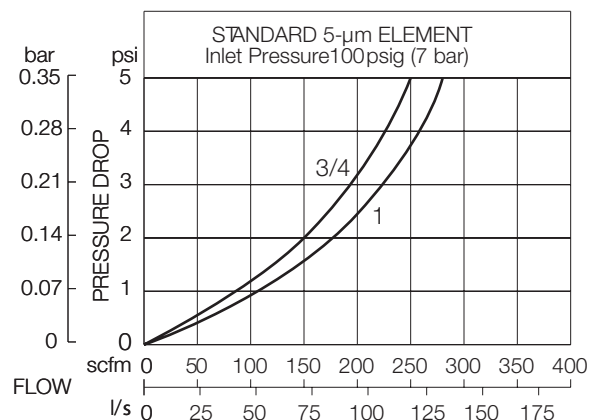
15 psig (1 bar) minimum with automatic drain.

Plastic Bowl: 150 psig (10 bar) maximum.

Metal Bowl: 200 psig (14 bar) maximum.

Seals: Nitrile.

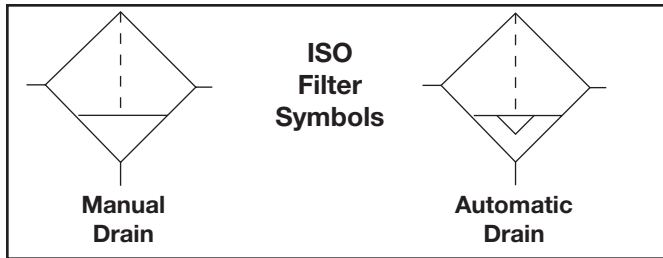
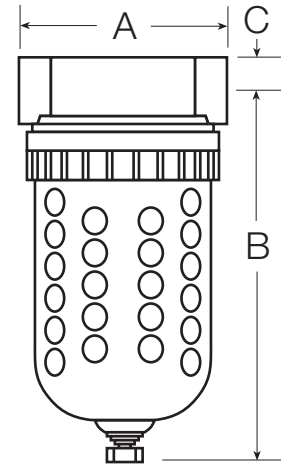
FLOW CHART



DIMENSIONS inches (mm)

Bowl	Ports	A	B †	C	Depth	Weight † lb (kg)
Plastic	3/4, 1	4.5 (114)	8.0 (203)	0.8 (21)	4.2 (106)	2.44 (1.11)
Metal	3/4, 1	4.5 (114)	8.3 (210)	0.8 (21)	4.2 (106)	3.25 (1.48)

† With Hydro-Jector external drain, dimension B is increased by 8.0 inches (203 mm), and weight is increased by 2.56 pounds (1.18 kg).



REPLACEMENT FILTER ELEMENT KITS

Element Type	Kit Number
5-µm polyethylene (Std element)	KA109-3PE
5-µm bronze	KA109-03E5
20-µm bronze	KA109-03E4
40-µm bronze	KA109-03E3

ORDERING INFORMATION

Change the letters in the sample model number below to specify the filter you want.

B FD 100 - 6 Y W

BOWL TYPE

Plastic bowl Leave blank
Metal bowl B

BOWL DRAIN

Internal automatic drain FD
Manual drain F
External Hydro-Jector drain; FE
only with metal bowl

DIFFERENTIAL PRESSURE GAUGE

No gauge 100
Large gauge 101
Small gauge 101S
Reed Switch Large Gauge 101E
normally open.
Reed Switch Large Gauge 101E2
normally closed.

PORT TYPE

NPTF Threads Leave Blank
BSPF threads W

OPTIONS: (More than one option can be chosen)

None Leave Blank
Sintered bronze filter element
5-µm rating E5
20-µm rating E4
40-µm rating E3
Delete bowl drain; 1/4 NPT LDC
female port instead

PORT SIZE

3/4 NPTF 6*
1 NPTF 8
1-1/16-12 UNF SAE S12
1-5/16-12 UNF SAE S16

* Note: "6", 3/4" NPTF has larger bowl capacity than "6x", 3/4" NPTF

DIFFERENTIAL PRESSURE GAUGES



Small Slide Gauge
K103-151



Large Dual Face Gauge
106-35



Large Dual Face Gauge
with Reed Switch
106-35E (Normally Open)
106-35EC (Normally Closed)