

High-Flow VANGUARD Coalescing Filters

FCD101 Models Port Sizes: 3/4, 1



Model Shown: FCD101-6

SPECIFICATIONS

Ambient/Media Temperature:

Plastic Bowl, all drain types: 40° to 125°F (4° to 52°C).

Metal Bowl, manual & auto drains: 40° to 175°F (4° to 79°C).

Metal Bowl, float drains: 40° to 150°F (4° to 66°C).

Body: 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 and internal float drain.

Bowl Ring: Aluminum.

Differential Pressure Gauge: 106-35.

Filter Element: 0.3- μ m-rated borosilicate-glass-fiber coalescing element; optional 0.01- μ m-rated element.

Fluid Media: Compressed air.

Inlet Pressure:

Minimum: 15 psig (1 bar) with automatic drain, 30 psig (2 bar) with float drain.

Plastic Bowl: 150 psig (10 bar) maximum.

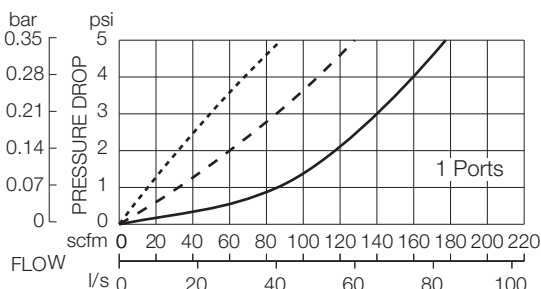
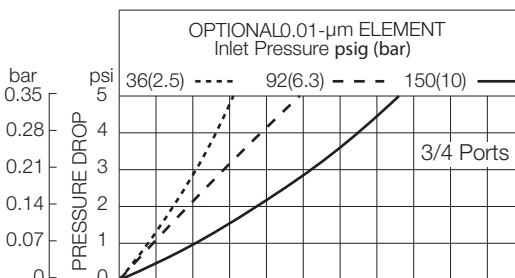
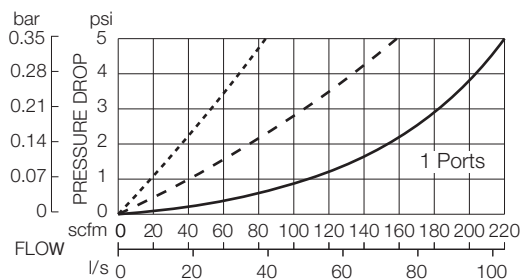
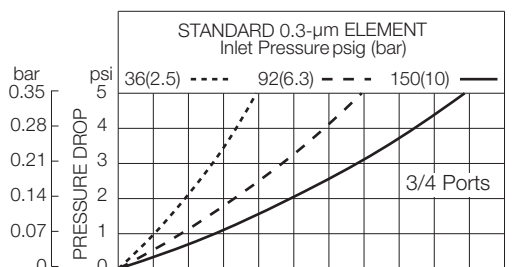
Metal Bowl: 200 psig (14 bar) maximum.

Seals: Nitrile.

- ◆ Inline mounting.
- ◆ 0.3- μ m-rated coalescing filter element; optional 0.01- μ m element.
- ◆ Differential pressure gauge.
- ◆ High-strength polycarbonate plastic filter bowl with steel shatterguard; optional aluminum bowl with clear nylon sight glass.
- ◆ Internal automatic drain; optional manual drain and internal float drain.
- ◆ NPTF port threads; optional BSPP threads.

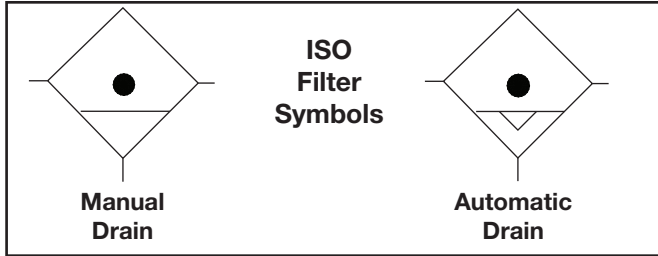
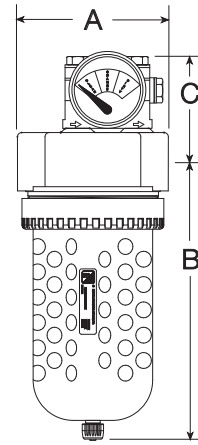
APPLICATION NOTE: A general purpose filter must be installed ahead of a coalescing filter to ensure good performance and to extend the life of the coalescing element.

FLOW CHARTS



DIMENSIONS inches (cm)

Bowl	A	B	C	Depth	Weight lb (kg)
Plastic	4.5 (114)	8.0 (203)	3.1 (78)	4.5 (114)	2.38 (1.09)
Metal	4.5 (114)	8.3 (210)	3.1 (78)	4.5 (114)	3.20 (1.46)



REPLACEMENT FILTER ELEMENT KITS

Element Rating	Kit Number
0.3 µm (Std element).....	A109-106
0.01 µm For models with E8 option.....	A109-106E8

ORDERING INFORMATION

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

B F C D 101 - 6 Y W

BOWL AND DRAIN TYPE

- Plastic bowl, internal automatic drain FCD
- Metal bowl, internal automatic drain B F C D
- Plastic bowl, manual drain FC
- Metal bowl, manual drain B F C
- Plastic bowl, internal float drain F C 5 A
- (*plastic stem*)
- Metal bowl, internal float drain B F C 6 A
- (*brass stem*)

DIFFERENTIAL PRESSURE GAUGE

- Tapped ports on head, no gauge 101
(Add '**NG**' option under **OPTION** section).
- Tapped ports on head, small gauge 101S
- Tapped ports on head, large gauge 101
- Tapped ports on head, large gauge 101E
with normally **OPEN** reed switch.
- Tapped ports on head, large gauge 101E2
with normally **CLOSED** reed switch.

PORT TYPE

- NPTF threads Leave blank
- BSPF threads W

OPTIONS (*More than one option can be chosen. Add in alphabetical order.*)

- None Leave Blank

Filter element:

- 0.3-µm rating Leave Blank
- 0.01-µm rating E8
- No bowl drain LDC
(1/4 NPT female port instead. Also use '**BFC**' or '**FC**' option under **BOWL and DRAIN TYPE** section.)

- No differential gauge NG
(Add '**101**' option under **BOWL**

SIZE and DIFFERENTIAL PRESSURE GAUGE section).

PORT SIZE

- 3/4 NPTF 6
- 1 NPTF 8

DIFFERENTIAL PRESSURE GAUGES



Small Slide Gauge
103-151



Large Dual Face Gauge
106-35



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