

# High-Flow VANGUARD Coalescing Filters

# FCD101 Models Port Sizes: 3/4, 1



Model Shown: FCD101-6

## SPECIFICATIONS

### Ambient/Media Temperature:

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

Metal Bowl: 40° to 175°F (4° to 79°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- $\mu\text{m}$ -rated borosilicate-glass-fiber coalescing element; optional 0.01- $\mu\text{m}$ -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.

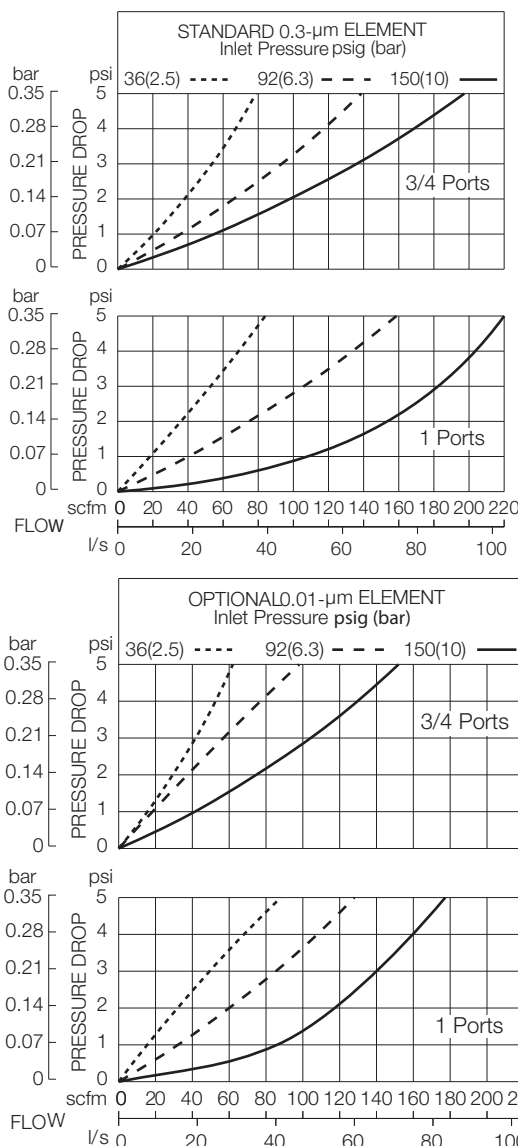
Metal Bowl: 200 psig (14 bar) maximum.

**Seals:** Nitrile.

- ◆ Inline mounting.
- ◆ 0.3- $\mu\text{m}$ -rated coalescing filter element; optional 0.01- $\mu\text{m}$  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 **SAE** or **BSP** threads.

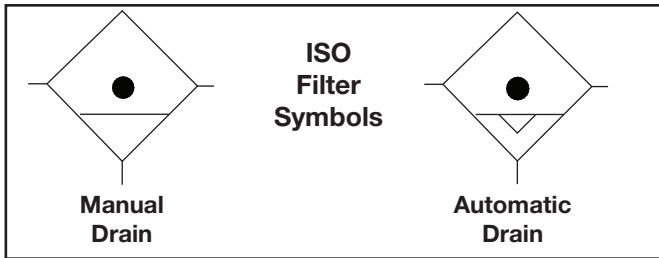
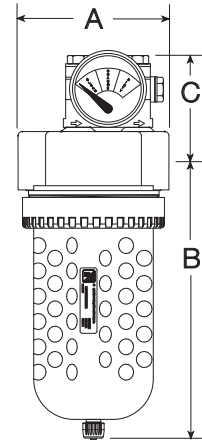
**APPLICATION NOTE:** A general purpose filter must be installed ahead of a coalescing filter to ensure good performance and to extend the life of the coalescing element.

## 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 ..... FC5A  
*(plastic stem)*
- Metal bowl, internal float drain ..... B F C 6A  
*(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.

**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)

**PORT TYPE**

- NPTF threads ..... Leave blank
- BSPP 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
- 1-1/16-12 UNF SAE ..... S12
- 1-5/16-12 UNF SAE ..... S16

**VANGUARD High-Flow Coalescing Filter, FCD101**