

# High-Capacity VANGUARD Coalescing Filters

# BFCD101 Models Port Sizes: 1-1/4, 1-1/2



Model Shown: BFCD101-10

## SPECIFICATIONS

### Ambient/Media Temperature:

40° to 175°F (4° to 79°C).

### Body: Aluminum.

**Bowl:** 123-Ounce (3.7-liter) capacity aluminum bowl. Optional 233-ounce (7-liter) extended aluminum bowl has higher flow filter element.

### Bowl Drain:

Internal automatic drain; optional manual drain.

### 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:

15 psig (1 bar) minimum with automatic drain.  
200 psig (14 bar) maximum.

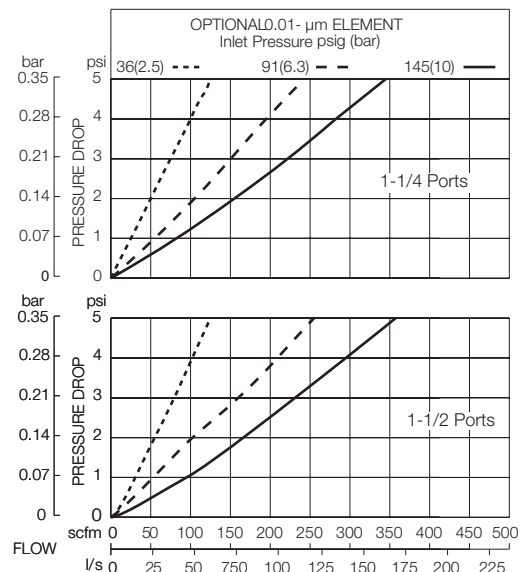
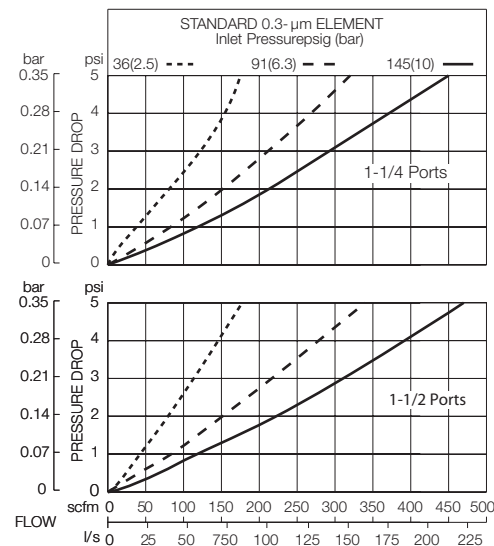
**Seals:** Nitrile.

**V-Band:** Stainless steel.

- ◆ Inline mounting.
- ◆ 0.3- $\mu\text{m}$ -rated coalescing filter element; optional 0.01- $\mu\text{m}$  element.
- ◆ Differential pressure gauge.
- ◆ Metal bowl.
- ◆ Optional extended bowl with higher capacity filter element for greater air flow.
- ◆ Internal automatic drain; optional manual drain.
- ◆ **NPTF** port threads; optional **SAE** or **BSPP** threads.

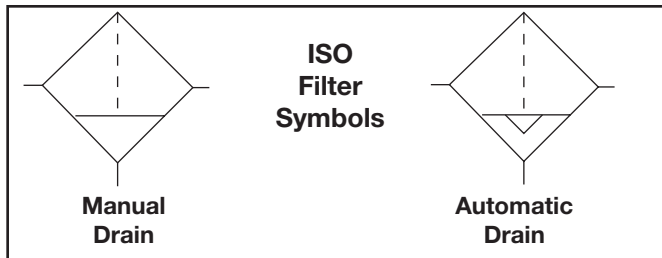
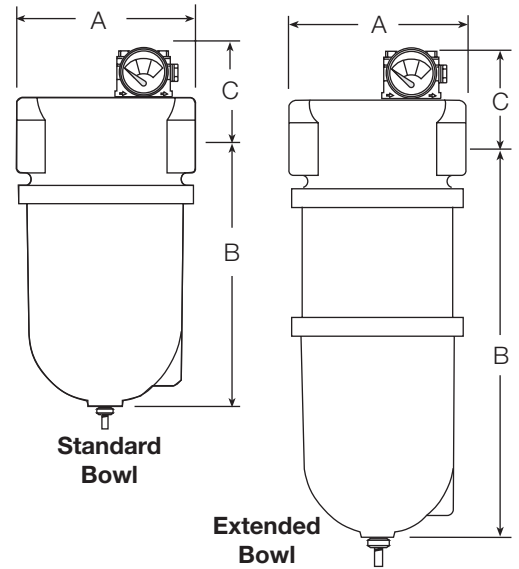
**APPLICATION NOTE:** A general purpose filter must be installed ahead of a coalescing filter to ensure good performance and to extend the life of the coalescing element.

## FLOW CHARTS



**DIMENSIONS** inches (mm)

Bowl	A	B	C	Depth	Weight lb (kg)
Standard	7.8 (197)	15 (381)	3.9 (99)	7.8 (197)	14.6 (6.6)
Extended	7.8 (197)	22 (559)	3.9 (99)	7.8 (197)	19.7 (8.9)



**REPLACEMENT FILTER ELEMENT KITS**

Element Type	Kit Number
0.3 µm Standard bowl (Std element)	A106-24
0.3 µm Extended bowl	A106-24L
Models with E8 option:	
0.01 µm Standard bowl	A106-24E8
0.01 µm Extended bowl	A106-24LE8

**ORDERING INFORMATION**

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

**B F C D 101 - 10 Y W**

**BOWL DRAIN**

Internal automatic drain .....B F C D  
Manual drain.....B F C

**BOWL SIZE & DIFFERENTIAL PRESSURE GAUGE**

Standard bowl & large gauge..... 101  
Standard bowl & small gauge ..... 101S  
Standard bowl & large gauge with .... 101E  
normally open reed switch  
Standard bowl & large gauge with .... 101E2  
normally closed reed switch  
Extended bowl & large gauge ..... 101H  
Extended bowl & small gauge..... 101HS  
Extended bowl & large gauge with .... 101HE  
normally open reed switch  
Extended bowl & large gauge with .... 101HE2  
normally closed reed switch

**PORT SIZE**

1-1/4 NPTF ..... 10  
1-1/2 NPTF ..... 12  
1-5/8-12 UNF SAE ..... S20  
1-7/8-12 UNF SAE ..... S24

**PORT TYPE**

NPTF Threads ..... Leave Blank  
BSP threads ..... W

**OPTIONS:** (More than one option can be chosen)

None..... Leave Blank  
0.01-µm-rated element..... E8  
Delete bowl drain; 1/4 NPT ..... LDC  
female port instead  
Delete differential pressure ..... NG  
gauge

**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)



# High-Capacity VANGUARD Coalescing Filters

# BFCD101 Model Port Size: 2



Model Shown: BFCD101-16

- ◆ Inline mounting.
- ◆ 0.3- $\mu\text{m}$ -rated coalescing filter element; optional 0.01- $\mu\text{m}$  element.
- ◆ Differential pressure gauge.
- ◆ Metal bowl.
- ◆ Internal automatic drain; optional manual drain.
- ◆ NPTF port threads; optional SAE or 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.

## SPECIFICATIONS

**Ambient/Media Temperature:**

40° to 175°F (4° to 79°C).

**Body:** Aluminum.

**Bowl:** 233-Ounce (7-liter) capacity aluminum bowl.

**Bowl Drain:**

Internal automatic drain; optional manual drain.

**Differential Pressure Gauge:** Large 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.

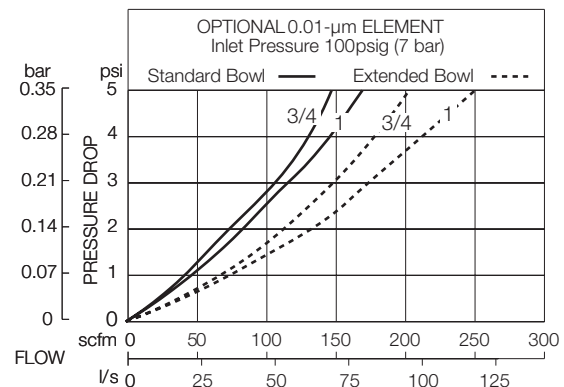
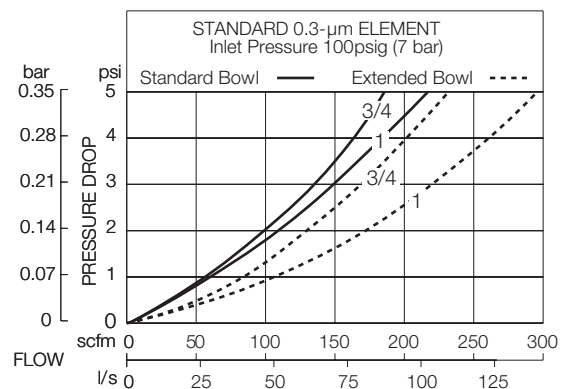
**Inlet Pressure:**

15 psig (1 bar) minimum with automatic drain.  
200 psig (14 bar) maximum.

**Seals:** Nitrile.

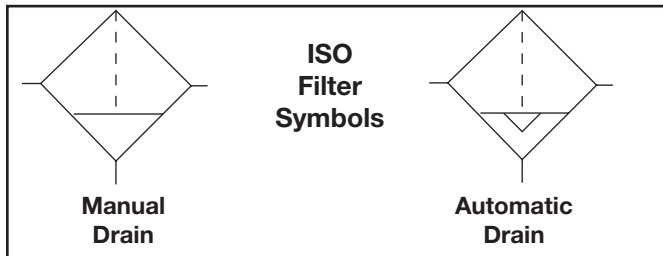
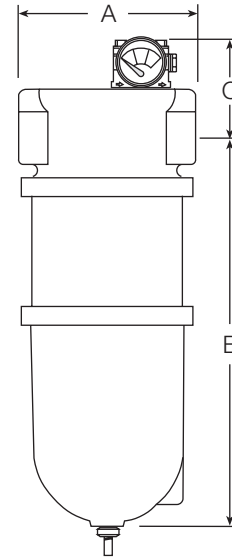
**V-Band:** Stainless steel.

## FLOW CHARTS



**DIMENSIONS** inches (cm)

A	B	C	Depth	Weight lb (kg)
7.8 (197)	22 (559)	3.9 (99)	7.8 (197)	19.7 (8.9)



**REPLACEMENT FILTER ELEMENT KITS**

Element Rating	Kit Number
0.3 µm (Std element)	A106-24L
0.01 µm For model with E8 option	A106-24LE8

**ORDERING INFORMATION**

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

**BFCD 101 - 16 Y W**

**BOWL DRAIN**

- Internal automatic drain .....BFCD
- Manual drain.....BFC

**DIFFERENTIAL PRESSURE GAUGE**

- Large gauge ..... 101
- Large gauge with normally ..... 101E  
open reed switch
- Large gauge with normally ..... 101E2  
closed reed switch
- Small gauge ..... 101S

**PORT TYPE**

- NPTF Threads ..... Leave Blank
- BSPB threads ..... W

**OPTIONS:** (More than one option can be chosen)

- None.....Leave Blank
- 0.01-µm-rated element..... E8
- Delete bowl drain; 1/4 NPT ..... LDC  
female port instead
- Delete differential pressure ..... NG  
gauge

**PORT SIZE**

- 2 NPTF ..... 16
- 1-5/8-12 UNF SAE ..... S20
- 1-7/8-12 UNF SAE ..... S24
- 2-1/2-12 UNF SAE ..... S32

**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)