

# High-Flow VANGUARD Coalescing Filters

# BFCD201 Models Port Sizes: 3/4, 1



Model Shown: BFCD201-6

## SPECIFICATIONS

### Ambient/Media Temperature:

40° to 175°F (4° to 79°C).

**Body:** Aluminum.

**Bowl:** 35-Ounce (1050-ml) capacity aluminum bowl. Optional 62-ounce (1860-ml) extended aluminum bowl has higher capacity filter element for increased air flow.

### Bowl Drain:

Internal automatic drain; optional manual drain and internal float drain.

**Bowl Ring:** Aluminum.

**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:

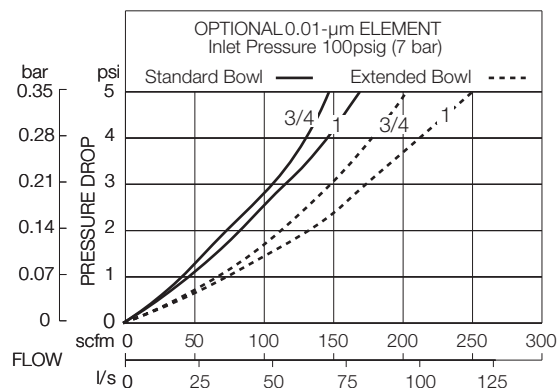
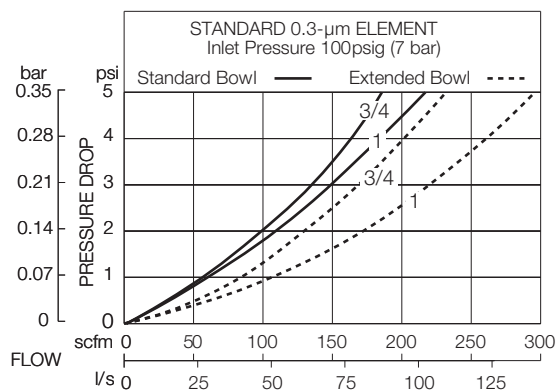
Minimum: 15 psig (1 bar) with automatic drain, 30 psig (2 bar) with internal float drain. 200 psig (14 bar) maximum.

**Seals:** Nitrile.

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

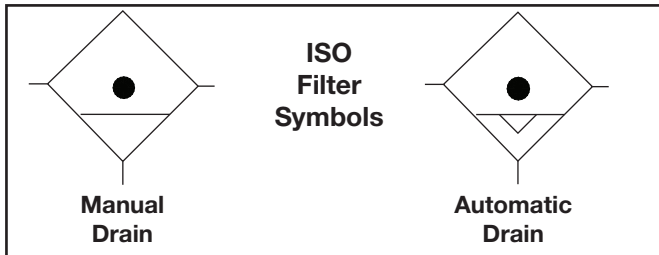
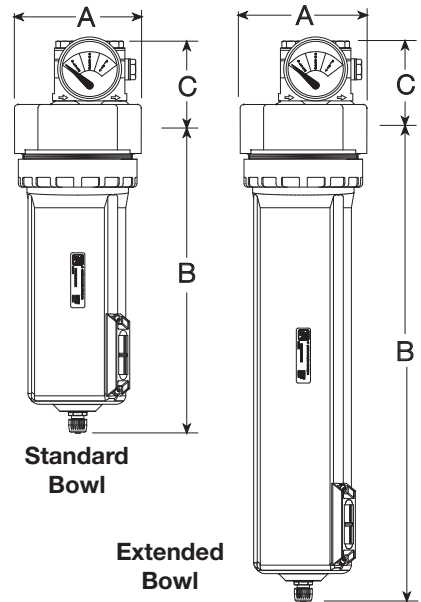
**APPLICATION NOTE:** A general purpose filter must be installed ahead of a coalescing filter to ensure good performance and to extend the life of the coalescing element.

## FLOW CHARTS



**DIMENSIONS** inches (mm)

Bowl	A	B	C	Depth	Weight lb (kg)
Standard	4.5 (114)	10.1 (257)	3.3 (83)	4.2 (106)	3.50 (1.59)
Extended	4.5 (114)	15.7 (399)	3.3 (83)	4.2 (106)	4.25 (1.91)



**ORDERING INFORMATION**

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

**BFC D 201 - 6 Y W**

**BOWL DRAIN**

- Internal automatic drain ..... BFC D
- Manual Drain ..... BFC
- Internal Float drain (*plastic stem*) ... BFC5A
- Internal Float drain (*brass stem*) .... BFC6A

**BOWL SIZE & DIFFERENTIAL PRESSURE GAUGE**

- Standard bowl, no gauge..... 201  
Also add 'NG' under **Option Menu**.
- Standard bowl & large gauge ..... 201
- Standard bowl & small gauge ..... 201S
- Standard bowl & large gauge with .. 201E  
normally open reed switch.
- Standard bowl & large gauge with .. 201E2  
normally closed reed switch.
- Extended bowl, no gauge..... 201H  
Also add 'NG' under **Option Menu**.
- Extended bowl & large gauge ..... 201H
- Extended bowl & small gauge ..... 201HS
- Extended bowl & large gauge with .. 201HE  
normally open reed switch.
- Extended Bowl & large gauge with .. 201HE2  
normally closed reed switch.

**PORT SIZE**

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

**REPLACEMENT FILTER ELEMENT KITS**

Model	Element Rating	Kit Number
Standard bowl	0.3- $\mu$ m (Std element)	A114-112
With E8 option	0.01- $\mu$ m	A114-112E8
Extended bowl	0.3- $\mu$ m	A114-113
With E8 option	0.01- $\mu$ m	A114-113E8

**PORT TYPE**

- NPTF threads ..... Leave blank
- BSPP threads ..... W

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

- None ..... Leave blank
- 0.3- $\mu$ m-rated element ..... Leave blank
- 0.01- $\mu$ m-rated element ..... E8
- No bowl drain ..... LDC  
*(1/4-NPT female port instead.)*  
Use 'BFC' option under **BOWL DRAIN** menu.
- No differential pressure gauge ... NG

**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*)

VANGUARD High-Flow Coalescing Filter, BFC D201

# High-Flow VANGUARD Coalescing Filters

# BFCD201 Models Port Sizes: 1-1/4, 1-1/2

Model Shown: BFCD201-10



- ◆ Inline mounting.
- ◆ 0.3- $\mu\text{m}$ -rated coalescing filter element; optional 0.01- $\mu\text{m}$  element.
- ◆ Differential pressure gauge.
- ◆ Aluminum bowl. Optional extended bowl with higher flow element.
- ◆ Internal automatic drain; optional manual drain and internal float drain.
- ◆ **NPTF** port threads; optional **SAE** or **BSPB** 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:** 35-Ounce (1050-ml) capacity aluminum bowl. Optional 62-ounce (1860-ml) extended aluminum bowl has higher capacity filter element for increased air flow.

**Bowl Drain:**

Internal automatic drain; optional manual drain and internal float drain.

**Bowl Ring:** Aluminum.

**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.

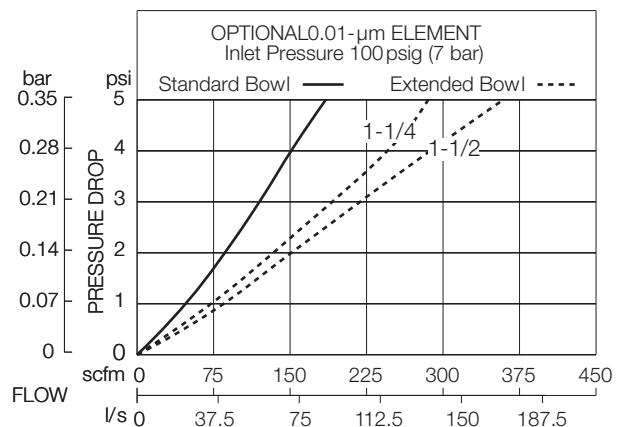
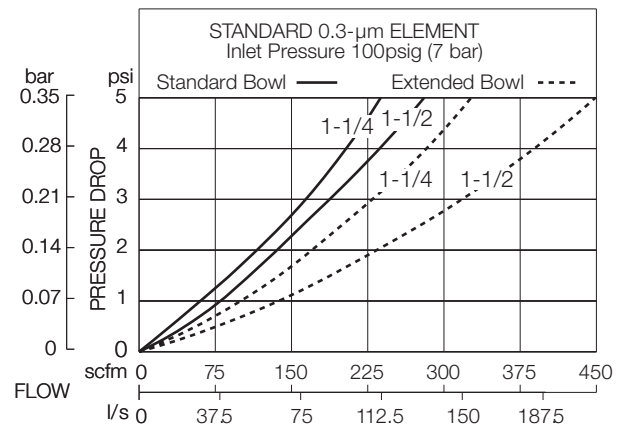
**Fluid Media:** Compressed air.

**Inlet Pressure:**

Minimum: 15 psig (1 bar) with automatic drain, 30 psig (2 bar) with internal float drain.  
Maximum: 200 psig (14 bar)

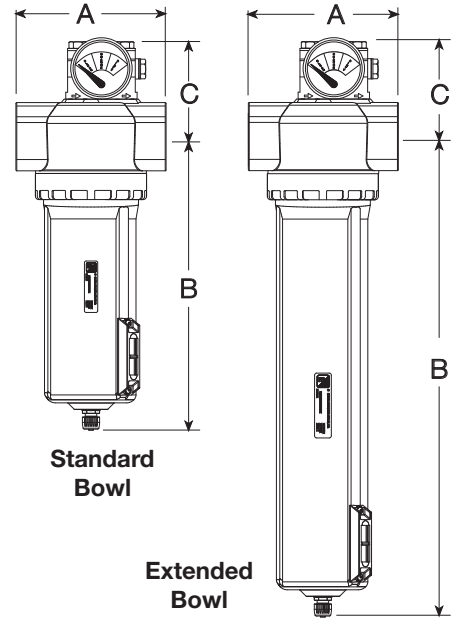
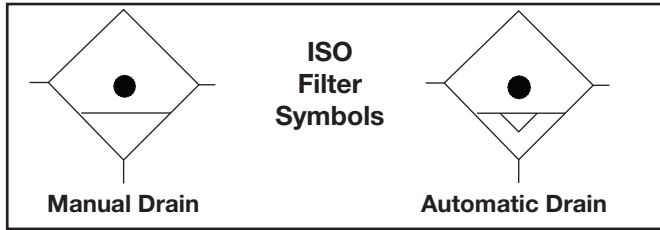
**Seals:** Nitrile.

## FLOW CHARTS



**DIMENSIONS** inches (mm)

Bowl	A	B	C	Depth	Weight lb (kg)
Standard	5.5 (140)	10.6 (270)	3.7 (94)	4.2 (106)	4.31 (1.94)
Extended	5.5 (140)	16.2 (412)	3.7 (94)	4.2 (106)	5.00 (2.27)



**REPLACEMENT FILTER ELEMENT KITS**

Element Type	Kit Number
0.3 µm Standard bowl (Std element)	A114-112
0.3 µm Extended bowl	A114-113
Models with E8 option:	
0.01 µm Standard bowl	A114-112E8
0.01 µm Extended bowl	A114-113E8

**ORDERING INFORMATION**

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

**BFC D 201 - 10 Y W**

**BOWL DRAIN**

- Internal automatic drain ..... BFC D
- Manual Drain ..... BFC
- Internal Float drain (*plastic stem*) ..... BFC5A
- Internal Float drain (*brass stem*) ..... BFC6A

**BOWL SIZE & DIFFERENTIAL**

**PRESSURE GAUGE**

- Standard bowl, no gauge..... 201  
Also add 'NG' under **Option** Menu.
- Standard bowl & large gauge ..... 201
- Standard bowl & small gauge ..... 201S
- Standard bowl & large gauge with ..... 201E  
normally open reed switch.
- Standard bowl & large gauge with ..... 201E2  
normally closed reed switch.
- Extended bowl, no gauge..... 201H  
Also add 'NG' under **Option** Menu.
- Extended bowl & large gauge ..... 201H
- Extended bowl & small gauge ..... 201HS
- Extended bowl & large gauge with ..... 201HE  
normally **open** reed switch.
- Extended Bowl & large gauge with ..... 201HE2  
normally **closed** reed switch.

**PORT TYPE**

- NPTF Threads ..... Leave blank
- BSPP Threads ..... W

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

- None ..... Leave blank
- 0.3-µm-rated element ..... Leave blank
- 0.01-µm-rated element ..... E8
- No bowl drain ..... LDC

*(1/4-NPT female port instead.)*

Use 'BFC' option under **BOWL**

**DRAIN** menu.

- No differential pressure gauge ..... NG

**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

**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*)

VANGUARD High-Flow Coalescing Filter, BFC D201