

# High-Flow VANGUARD Coalescing Filters



Model Shown: BFC6A401L-10

## SPECIFICATIONS

### Ambient/Media Temperature:

Manual drain: 40° to 175°F (4° to 79°C).

Float, hydro-jector drain: 40° to 150°F (4° to 66°C).

**Body:** Aluminum.

**Bowl:** 120-Ounce (3548ml) capacity aluminum bowl. Optional 230-ounce (6802ml) extended aluminum bowl has higher flow filter element.

### Bowl Drain:

Internal automatic float drain; optional manual drain or hydro-jector 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:

Float drain: 30 psig (2.1 bar) minimum 200 psig (14 bar) maximum.

Manual drain: 0 psig (0 bar) minimum 300 psig (21 bar) maximum.

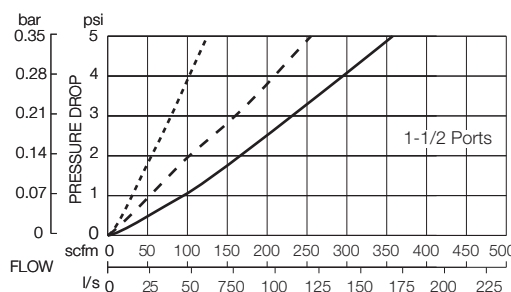
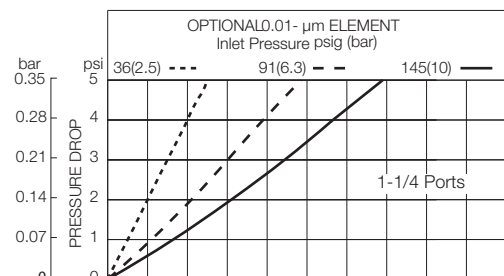
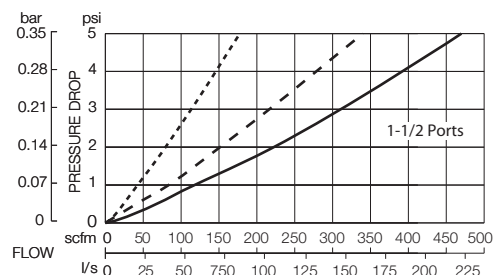
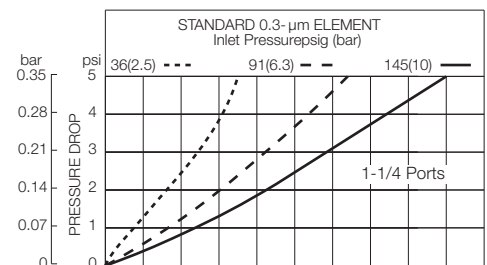
**Seals:** Nitrile.

# BFC6A401 Models Port Sizes: 1-1/4, 1-1/2

- ◆ 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 capacity filter element for greater air flow.
- ◆ Internal float drain; optional manual drain or external Hydro-Jector 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.

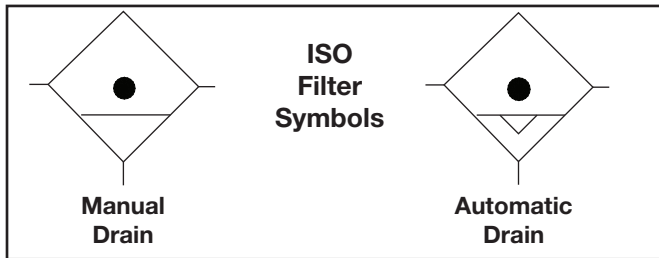
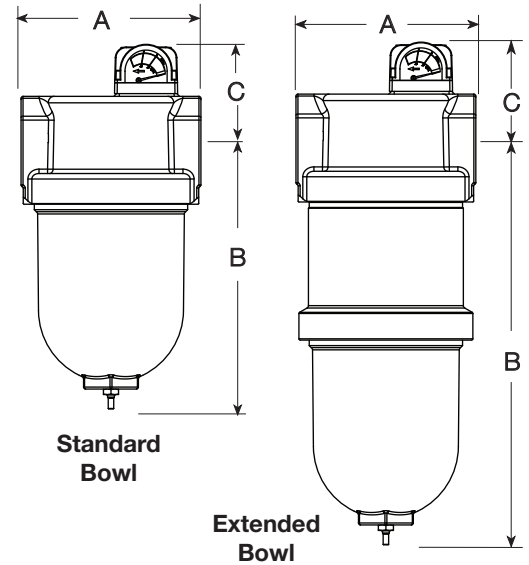
## FLOW CHARTS



## DIMENSIONS inches (mm)

Bowl	A	B *	C	Depth	Weight * lb (kg)
Standard	8.1 (204.7)	12 (305.1)	4.6 (117.4)	8 (203.2)	17 (7.8)
Extended	8.1 (204.7)	18.3 (465.1)	4.6 (117.4)	8 (203.2)	26 (11.8)

\* = 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
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 FC6A 401 H L - 10 E8 W**

### DRAIN TYPE

Internal automatic float drain (*brass stem*) ...FC6A  
 Manual Drain ..... FC  
 External Hydro-Jector drain ..... FC7AE  
 No drain (*less drain cock*) ..... FC7A

### BOWL SIZE

Standard Bowl ..... Leave Blank  
 Extended Bowl ..... H

### DIFFERENTIAL PRESSURE GAUGE

No gauge ..... Leave Blank  
 Large differential pressure gauge ... L  
 Small differential pressure gauge ... S  
 Large differential pressure gauge ... E  
 with normally open reed switch.  
 Large differential pressure gauge ... E2  
 with normally closed reed switch.

### PORT TYPE

NPTF ..... Leave Blank  
 BSPP ..... W

### ELEMENT TYPE

0.3-µm element ..... Leave Blank  
 0.01-µm element ..... E8

### 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  
K103-151



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, BFC6A401

# High-Flow VANGUARD Coalescing Filters

# BFC6A401H Model Port Size: 2



- ◆ Inline mounting.
- ◆ 0.3- $\mu\text{m}$ -rated coalescing filter element; optional 0.01- $\mu\text{m}$  element.
- ◆ Differential pressure gauge.
- ◆ Aluminum bowl.
- ◆ Internal float drain; optional manual drain or external Hydro-Jector 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.

Model Shown: BFC6A401HL-16

## SPECIFICATIONS

### Ambient/Media Temperature:

Manual drain: 40° to 175°F (4° to 79°C).

Float, hydro-jector drain: 40° to 150°F (4° to 66°C).

**Body:** Aluminum.

**Bowl:** 230-Ounce (6802ml) capacity aluminum bowl; has higher flow filter element.

### Bowl Drain:

Internal automatic float drain; optional manual drain or external hydro-jector 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.

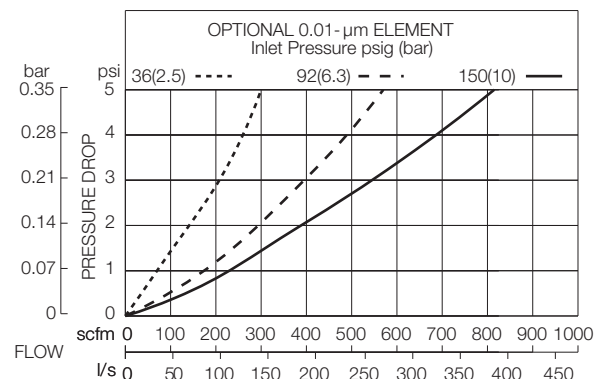
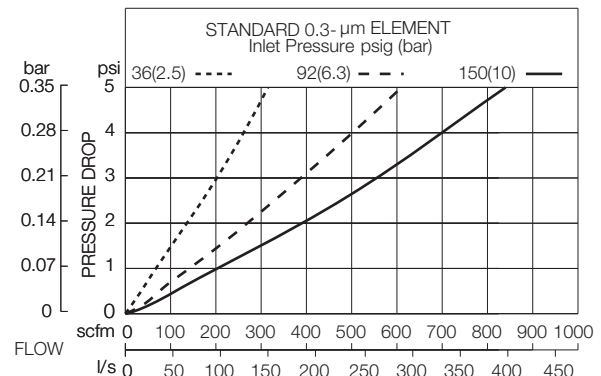
### Inlet Pressure:

Float drain: 30 psig (2.1 bar) minimum 200 psig (14 bar) maximum.

Manual drain: 0 psig (0 bar) minimum 300 psig (21 bar) maximum.

**Seals:** Nitrile.

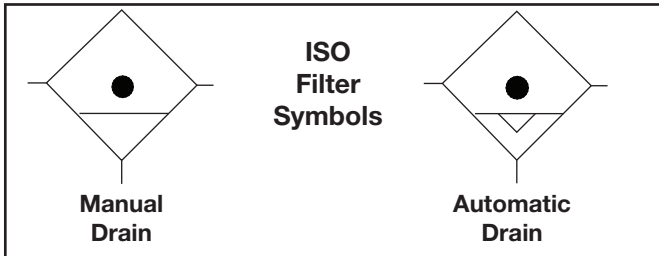
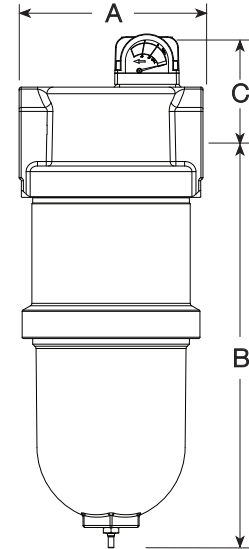
## FLOW CHARTS



**DIMENSIONS** inches (cm)

A	B *	C	Depth	Weight * lb (kg)
8.1 (204.7)	18.3 (465.1)	4.6 (117.4)	8.0 (203.2)	26 (11.8)

\* = 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 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.

**B FC6A 401H L - 16 E8 W**

**DRAIN TYPE**

- Internal automatic float drain (*brass stem*) ...FC6A
- Manual Drain ..... FC
- External Hydro-Jector drain ..... FC7AE
- No drain (*less drain cock*) ..... FC7A

**DIFFERENTIAL PRESSURE GAUGE**

- No gauge ..... Leave Blank
- Large differential pressure gauge ... L
- Small differential pressure gauge ... S
- Large differential pressure gauge ... E  
with normally open reed switch.
- Large differential pressure gauge ... E2  
with normally closed reed switch.

**PORT TYPE**

- NPTF ..... Leave Blank
- BSPP ..... W

**ELEMENT TYPE**

- 0.3-µm element ..... Leave Blank
- 0.01-µm element ..... E8

**PORT SIZE**

- 1-1/4 NPTF ..... 16
- 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)

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