

# High-Flow VANGUARD General Purpose Filters

# BFD200 Models Port Sizes: 3/4, 1



Model Shown: BFD200-6

- ◆ Inline mounting.
- ◆ 40- $\mu$ m-rated sintered bronze filter element; optional 5- $\mu$ m-rated sintered bronze element.
- ◆ Aluminum bowl with clear nylon sight glass.
- ◆ Optional differential pressure gauge.
- ◆ Internal automatic drain; optional manual drain, internal float drain, or external Hydro-Jector drain.
- ◆ NPTF port threads; optional SAE or BSPP threads.

## SPECIFICATIONS

**Ambient/Media Temperature:**

40° to 175°F (4° to 79°C).

**Body:** Aluminum.

**Bowl:** 35-Ounce (1 liter) aluminum bowl with clear nylon sight glass.

**Bowl Drain:** Internal automatic drain; optional manual drain, internal float drain, or external Hydro-Jector drain.

**Bowl Ring:** Aluminum.

**Differential Pressure Gauge:** Optional.

**Filter Element:** 40- $\mu$ m-rated sintered bronze; optional 5- $\mu$ m sintered bronze.

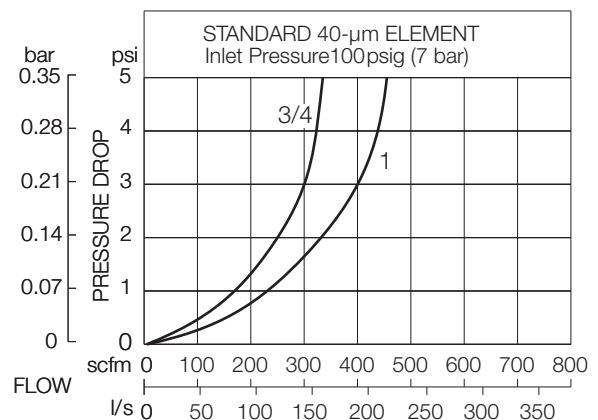
**Fluid Media:** Compressed air.

**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.

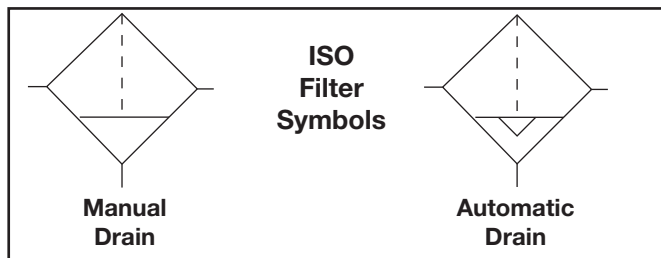
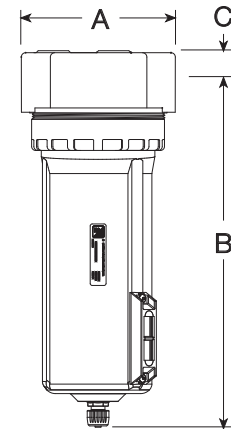
## FLOW CHART



**DIMENSIONS** inches (mm)

A	B †	C	Depth	Weight † lb (kg)
4.5 (114)	10.3 (263)	1.0 (25)	4.2 (106)	4.25 (193)

† 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
40-µm bronze (Std element)	A114-106E3
5-µm bronze	A114-106E5

**ORDERING INFORMATION**

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

**BFD 200 - 6 Y W**

**BOWL AND DRAIN TYPE**

- Metal bowl, internal automatic drain ..... BFD
- Metal bowl, manual drain ..... BF
- Metal bowl, internal float drain ..... BF5A  
(Plastic stem).
- Metal bowl, internal float drain ..... BF6A  
(Brass stem).
- Metal bowl, external Hydro-Jector ..... BFE  
drain (LDC option is not needed;  
under **OPTIONS**).
- Metal bowl, warrior electronic drain ..... BF2A

**HEAD TYPE and DIFFERENTIAL PRESSURE GAUGE**

- No tapped ports on head, no gauge ..... 200
- Tapped ports on head, large gauge ..... 201
- Tapped ports on head, small gauge ..... 201S
- Tapped ports on head, large gauge ..... 201E  
with normally **open** reed switch.
- Tapped ports on head, large gauge ..... 201E2  
with 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
- 5-µm rating bronze element ..... E5
- 40-µm rating bronze element ... Leave blank
- Less drain cock ..... LDC  
(1/4 NPT female port instead. Also  
use 'BF' option under **BOWL AND  
DRAIN TYPE** section.)

**PORT SIZE**

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

**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 Filter, BFD200 Series

# High-Flow VANGUARD General Purpose Filters

# BFD200 Models Port Sizes: 1-1/4, 1-1/2



Model Shown: BFD200-10

## SPECIFICATIONS

**Ambient/Media Temperature:**

40° to 175°F (4° to 79°C).

**Body:** Aluminum.

**Bowl:** 35-Ounce (1 liter) aluminum bowl with clear nylon sight glass.

**Bowl Drain:** Internal automatic drain; optional manual drain, internal float drain, or external Hydro-Jector drain.

**Bowl Ring:** Aluminum.

**Differential Pressure Gaugffe:** Optional.

**Filter Element:** 40-µm-rated sintered bronze; optional 5-µm sintered bronze.

**Fluid Media:** Compressed air.

**Inlet Pressure:**

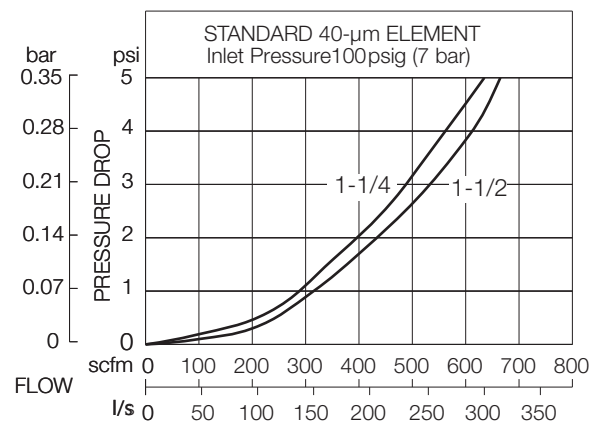
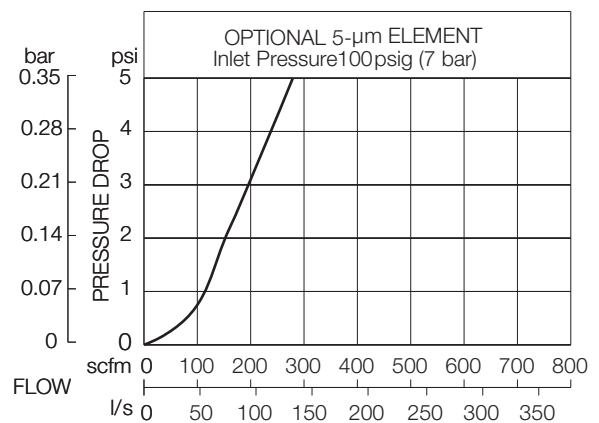
Minimum: 15 psig (1 bar) with automatic drain 30 psig (2 bar) with float drain.

200 psig (14 bar) maximum.

**Seals:** Nitrile.

- ◆ Inline mounting.
- ◆ 40-µm-rated sintered bronze filter element; optional 5-µm-rated sintered bronze element.
- ◆ Aluminum bowl with clear nylon sight glass.
- ◆ Optional differential pressure gauge.
- ◆ Internal automatic drain; optional manual drain, internal float drain, or external Hydro-Jector drain.
- ◆ NPTF port threads; optional SAE or BSPB threads.

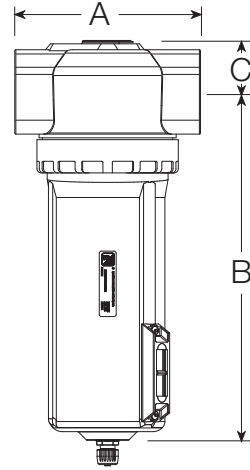
## FLOW CHARTS



**DIMENSIONS** inches (mm)

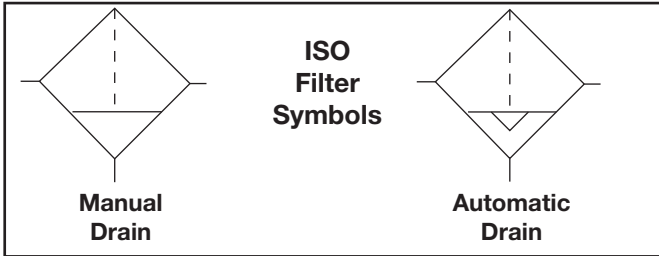
A	B †	C	Depth	Weight † lb (kg)
5.5 (140)	10.7 (271)	1.4 (36)	4.2 (106)	4.50 (2.04)

† 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
40-µm bronze (Std element)	A114-106E3
5-µm bronze	A114-106E5



**ORDERING INFORMATION**

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

**BFD 200 - 10 Y W**

**BOWL AND DRAIN TYPE**

- Metal bowl, internal automatic drain ..... BFD
- Metal bowl, manual drain ..... BF
- Metal bowl, internal float drain ..... BF5A  
(Plastic stem).
- Metal bowl, internal float drain ..... BF6A  
(Brass stem).
- Metal bowl, external Hydro-Jector ..... BFE  
drain (LDC option is not needed;  
under **OPTIONS**).
- Metal bowl, warrior electronic drain ..... BF2A

**HEAD TYPE and DIFFERENTIAL PRESSURE GAUGE**

- No tapped ports on head, no gauge ..... 200
- Tapped ports on head, large gauge ..... 201
- Tapped ports on head, small gauge ..... 201S
- Tapped ports on head, large gauge ..... 201E  
with normally **open** reed switch.
- Tapped ports on head, large gauge ..... 201E2  
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
- 5-µm rating bronze element ..... E5
- 40-µm rating bronze element ... Leave blank
- Less drain cock ..... LDC  
(1/4 NPT female port instead. Also  
use 'BF' option under **BOWL AND  
DRAIN TYPE** section.)

**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 Filter, BFD200 Series