

COALESCING FILTERS

A 0.3- μm -rated coalescing filter element is standard in all coalescing units. They remove 99.99% of oil and solid contaminants larger than 0.3 μm . An optional 0.01- μm -rated element provides extremely fine filtration, but at some reduction in air flow. However, in **GUARDSMAN**, **GUARDSMAN II**, **SERIES 380**, and **VANGUARD** filters there are available extended bowls with higher capacity coalescing elements for significantly increased air flows.



Coalescing filters have epoxy-resin-coated, borosilicate, glass-fiber elements. Liquids and solids are removed from the air stream by several different actions, namely:

IMPACTION: Particles larger than 1 μm collide with and adhere to the fibers of the element.

INTERCEPTION: Particles 0.3 μm to 2 μm in size are molecularly attracted to the fibers of the element, and this causes them to adhere.

DIFFUSION: Particles 0.001 μm to 0.3 μm in size move by random Brownian motion, thereby contacting and adhering to the fibers of the element.

DRAINING: Tiny droplets of oil coalesce (merge) until they form drops large enough to fall off the filter element and into the bowl sump. The automatic drain then expels them.

The filter element will continue to coalesce liquids until solid contaminants accumulated in the filter element cause the pressure drop across the element to become excessive. At this point the filter element must be changed. A built-in differential pressure gauge (see next page) will indicate when the point is reached that requires the element to be changed.

GUIDE to COALESCING FILTERS

Filter Series	Modular Construction	Port Sizes								Pages		
		1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2		2	
SENTRY												
FCD10 models †	yes	X	X									80-81
MINIATURE												
FCD50 models	no	X	X									82-83
GUARDSMAN												
FCD60 models	yes		X	X	X							84-85
GUARDSMAN II												
BFCD70 models	yes		X	X	X							86-87
SERIES 350												
F5A350 models	yes		X	X	X							88-89
Full-Size VANGUARD												
FCD101 models	yes		X	X	X	X						90-91
Full-Size SERIES 380												
FCD380 models	yes			X	X	X						92-93
High-Flow VANGUARD												
FCD101 models	no					X	X					94-95
BFC6A401 models	no							X	X	X		100-103
BFCD201 models	no					X	X	X	X			96-99

† Also available with quick-connect tube fittings up to 10 mm.

DIFFERENTIAL PRESSURE GAUGES

GUARDSMAN, SERIES 350, 380, and VANGUARD coalescing filters include a differential pressure gauge which measures the pressure drop across the coalescing filter element. This monitors the condition of the coalescing element, and such a gauge should always be used with coalescing filters. When the pressure drop increases into the range of 7 to 10 psi (0.5 to 0.7 bar) the gauge indicates that the element must be changed. The types of gauges are shown below.



The Full-Size **VANGUARD** and **SERIES 380** filters use the small **K103-151** gauge kit. **GUARDSMAN** units use the **A60F-28** gauge kit. Series 350 units use the **A125-09** gauge kit. All three are slide-type gauges, and are color coded to show the condition of the coalescing element.

Green — Clean (Up to 7 psi)
Red — Change (7 to 10 psi)



High-Flow VANGUARD filters employ the large **106-35** gauge as shown above. It is a dual face gauge color coded to show the condition of the coalescing element. Optionally available for other units.

Green — Clean (Up to 6 psi)
Yellow — Change (6 to 9 psi)
Red — Dirty (Over 9 psi)



The large gauge is also available with a reed switch: normally open (**106-35E**) or normally closed (**106-35EC**). See options for specific filters under Ordering Information. Gauge face readings are unchanged.

Green — Clean (Up to 6 psi)
Yellow — Change (6 to 9 psi)
Red — Dirty (Over 9 psi)

IMPORTANT NOTE

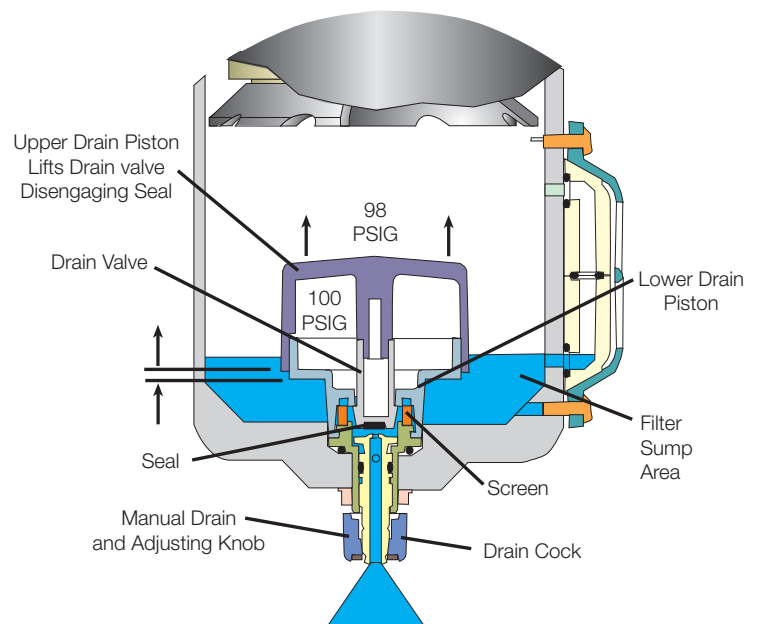
A general purpose filter must be installed ahead of a coalescing filter to ensure good performance and to extend the life of the coalescing element.

INTERNAL AUTOMATIC BOWL DRAIN

Automatic drains are standard on Master Pneumatic coalescing filters and we strongly recommend their use to improve filter effectiveness, lengthen service life, and reduce maintenance needs.

The Master Pneumatic automatic drains operate when liquids have accumulated in the filter bowl and a pressure drop of 2 psi or more occurs (e.g., when a valve or other device is actuated). The pressure drop triggers the automatic drain to expel accumulated liquid.

The drain is also activated whenever the air supply is shut down and exhausted. Although the unit is set at the factory an adjusting knob at the bottom of the filter can be manually set for optimum performance with very high or low flows of air.



SENTRY Modular Coalescing Filters

FCD10 Models Port Sizes: 1/8, 1/4; Tube Fittings



Model Shown: FCD10-2

SPECIFICATIONS

Ambient/Media Temperature:

40° to 125°F (4° to 52°C).

Body:

Acetal.

Bowl: 2-Ounce (60-ml) capacity polycarbonate plastic; optional aluminum bowl.

Bowl Drain:

Internal automatic drain; optional manual drain.

Filter Element: 0.3- μ m-rated borosilicate-glass-fiber coalescing element; optional 0.01- μ m-rated element.

Fluid Media: Compressed air.

Inlet Pressure:

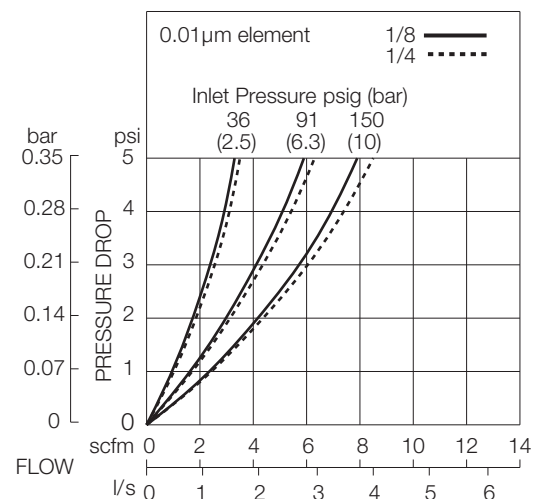
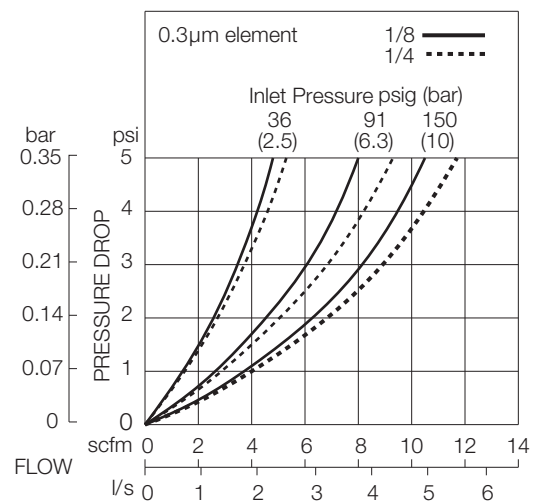
15 psig (1 bar) minimum with automatic drain.
150 psig (10 bar) maximum.

Seals: Nitrile.

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.

- ◆ Modular assembly and mounting.
- ◆ Threaded ports or quick-connect fittings for tubing up to 10 mm in diameter.
- ◆ 0.3- μ m-rated coalescing filter element; optional 0.01- μ m-rated element.
- ◆ High-strength polycarbonate plastic filter bowl; optional aluminum bowl.
- ◆ Internal automatic drain; optional manual drain.
- ◆ NPTF port threads; optional **BSP** threads.

FLOW CHARTS

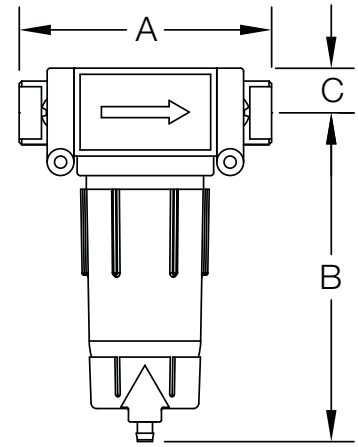


DIMENSIONS inches (mm)

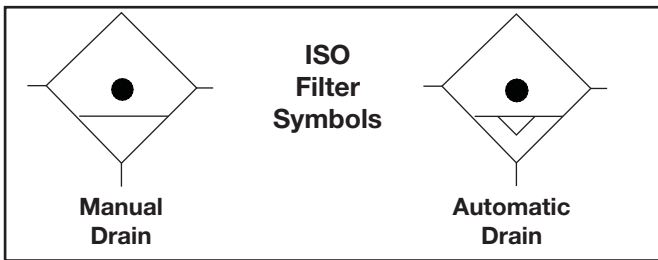
Ports	A	B †	C	Depth	Weight lb (kg)
No Port	1.7 (43)	3.9 (99)	0.5 (13)	1.8 (45)	0.27 (0.12)
1/8, 1/4	3.0 (76)	3.9 (99)	0.5 (13)	1.8 (45)	0.49 (0.22)

Models below have quick-connect fittings for tubing.

1/4	3.4 (86)	3.9 (99)	0.5 (13)	1.8 (45)	0.47 (0.21)
3/8	3.9 (99)	3.9 (99)	0.5 (13)	1.8 (45)	0.47 (0.21)
4 mm	3.4 (86)	3.9 (99)	0.5 (13)	1.8 (45)	0.47 (0.21)
6 mm	3.4 (86)	3.9 (99)	0.5 (13)	1.8 (45)	0.47 (0.21)
8 mm	3.4 (86)	3.9 (99)	0.5 (13)	1.8 (45)	0.47 (0.21)
10 mm	3.9 (99)	3.9 (99)	0.5 (13)	1.8 (45)	0.47 (0.21)



† Dimension for plastic bowl; metal bowl is 4.3 (109).



REPLACEMENT FILTER ELEMENT KITS

Element Rating	Kit Number
0.3 µm (Std element).....	A10F-16
0.01 µm For models with E8 option.....	A10F-16E8

ORDERING INFORMATION

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

B FCD 10 P - 2 X Y W

BOWL TYPE

Plastic bowl Leave blank
Metal bowl..... B

BOWL DRAIN

Internal automatic drain FCD
Manual drain..... FC

MOUNTING HOLE LOCATION

Bottom mount (Standard) Leave Blank
Top mount P

INLET PORT SIZE

No inlet and outlet ports.. Leave blank

Threaded:

1/8 NPTF 1
1/4 NPTF 2

Fittings for Tubing:

1/4 04
3/8 06
4 mm M4
6 mm M6
8 mm M8
10 mm M10

PORT TYPE

As specified in **INLET PORT**... Leave Blank
BSPP threads on both ports... W

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

None Leave Blank
0.01-µm-rated coalescing E8
element
No Drain (Lubricator bowl) LDC
(Use manual drain option under **BOWL DRAIN** section as well)

OUTLET PORT SIZE

Same as inlet port Leave Blank

Threaded:

1/8 NPTF 1
1/4 NPTF 2

Fittings for Tubing:

1/4 04
3/8 06
4 mm M4
6 mm M6
8 mm M8
10 mm M10

MINIATURE Coalescing Filters

FCD50 Models Port Sizes: 1/8, 1/4



Model Shown: FCD50-2

SPECIFICATIONS

Ambient/Media Temperature:

Plastic bowl: 40° to 125°F (4° to 52°C).
Metal bowl: 40° to 150°F (4° to 66°C).

Body: Aluminum.

Bowl: 2-Ounce (60-ml) capacity polycarbonate plastic; optional aluminum bowl.

Bowl Drain:

Internal automatic drain; optional manual drain.

Filter Element: 0.3- μ m-rated borosilicate-glass-fiber coalescing element; optional 0.01- μ m-rated element.

Fluid Media: Compressed air.

Inlet Pressure:

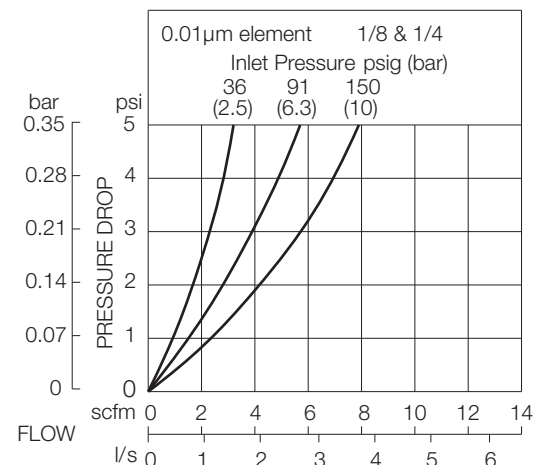
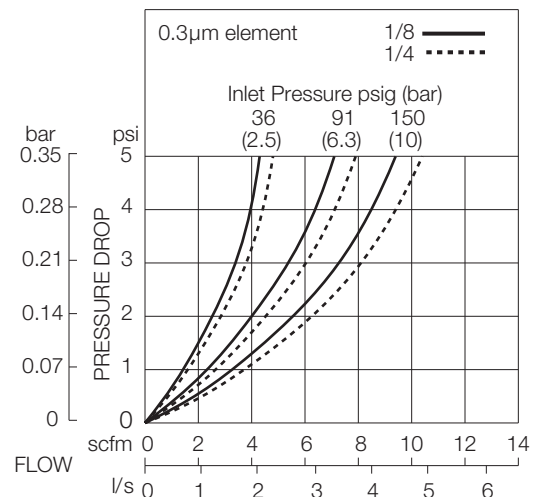
15 psig (1 bar) minimum with automatic drain.
Plastic bowl: 150 psig (10 bar) maximum.
Metal bowl: 200 psig (14 bar) maximum.

Seals: Nitrile.

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.

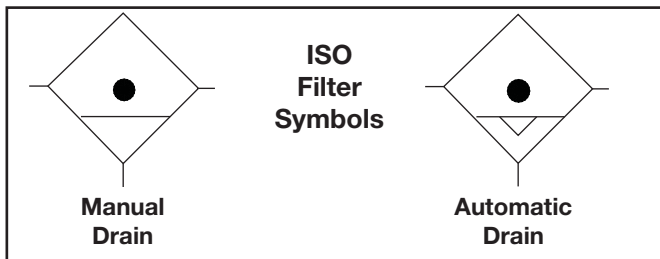
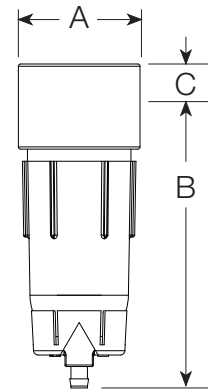
- ◆ Inline mounting.
- ◆ 0.3- μ m-rated coalescing filter element; optional 0.01- μ m-rated element.
- ◆ High-strength polycarbonate plastic filter bowl; optional metal bowl.
- ◆ Internal automatic drain; optional manual drain.
- ◆ **NPTF** port threads; optional **BSPP** threads.

FLOW CHARTS



DIMENSIONS inches (mm)

Bowl	Ports	A	B	C	Depth	Weight lb (kg)
Plastic	1/8, 1/4	1.6 (41)	3.9 (99)	0.4 (9.5)	1.6 (41)	0.33 (0.15)
Metal	1/8, 1/4	1.6 (41)	4.3 (109)	0.4 (9.5)	1.6 (41)	0.35 (0.16)



REPLACEMENT FILTER ELEMENT KITS

Element Rating	Kit Number
0.3 µm (Std element).....	A10F-16
0.01 µm For models with E8 option.....	A10F-16E8

ORDERING INFORMATION

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

B FCD 50 - 2 Y W

BOWL TYPE
 Plastic bowl..... Leave blank
 Metal bowl..... B

BOWL DRAIN
 Internal automatic drainFCD
 Manual drain.....FC

PORT TYPE
 NPTF threads Leave Blank
 BSPP threads W

OPTIONS: (More than one option can be chosen. Add in alphabetical order)
 None Leave Blank
 0.01-µm-rated coalescing E8 element
 Tapped modified head to T to allow 50-01 bracket assy.
 No Drain (Lubricator bowl) LDC (Use manual drain option under **BOWL DRAIN** section as well)

PORT SIZE
 1/8 NPTF 1
 1/4 NPTF..... 2

GUARDSMAN Modular Coalescing Filters

FCD60 Models Port Sizes: 1/4, 3/8, 1/2



Model Shown: FCD60-4

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: Zinc.

Bowl: 4-Ounce (120-ml) capacity polycarbonate plastic with zinc shatterguard; optional zinc bowl.

Bowl Drain:

Internal automatic drain; optional manual drain.

Differential Pressure Gauge: A60F-28.

Filter Element: 0.3- μ m-rated borosilicate-glass-fiber coalescing element; optional 0.01- μ m-rated element (reduces flow by 20%).

Fluid Media: Compressed air.

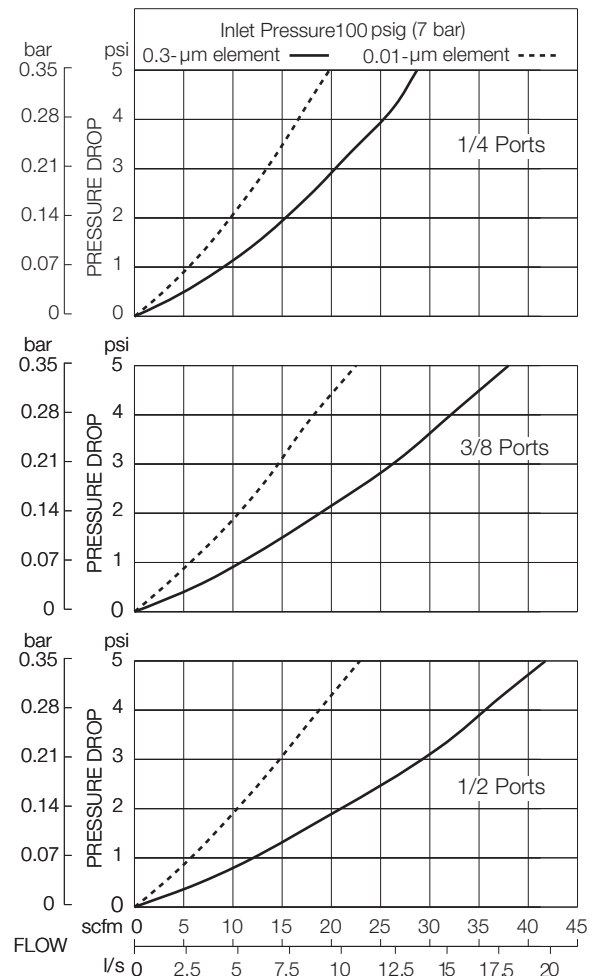
Inlet Pressure:

15 psig (1 bar) minimum with automatic drain.
Plastic bowl: 150 psig (10 bar) maximum.
Metal bowl: 200 psig (14 bar) maximum.

Seals: Nitrile.

- ◆ Modular or inline mounting.
- ◆ 0.3- μ m-rated coalescing filter element; optional 0.01- μ m-rated element.
- ◆ High-strength polycarbonate plastic filter bowl with zinc shatterguard; optional zinc bowl.
- ◆ Differential pressure gauge to indicate when filter element needs changing.
- ◆ Internal automatic drain; optional manual drain.
- ◆ **NPTF** port threads; optional **BSPP** threads.

FLOW CHARTS

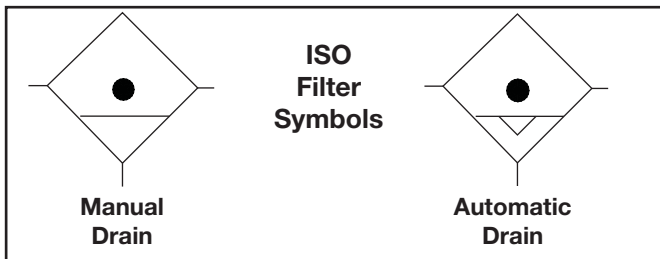
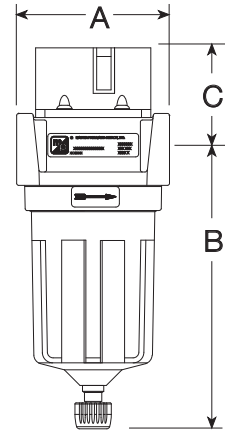


APPLICATION NOTE: A general purpose filter must be installed ahead of a coalescing filter to ensure good performance and to extend the life of the coalescing element.

DIMENSIONS inches (mm)

Bowl	Ports	A	B	C	Depth	Weight lb (kg)
Plastic	1/4 – 1/2	2.7 (67)	4.8 (122)	1.8 (46)	2.4 (60)	1.13 (0.51)
Metal	1/4 – 1/2	2.7 (67)	4.8 (122)	1.8 (46)	2.4 (60)	1.65 (0.75)

Note: Remove 1.23 (31) from (C) dimension if no differential pressure gauge is ordered.



REPLACEMENT FILTER ELEMENT KITS

Element Rating	Kit Number
0.3 µm (Std element)	60F-23
0.01 µm	
For models with E8 option	60F-23E8

ORDERING INFORMATION

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

B FCD 60 - 2 Y W

BOWL TYPE

Plastic bowl Leave blank
 Metal bowl B

BOWL DRAIN

Internal automatic drain FCD
 Manual drain FC

PORT SIZE

1/4 NPTF 2
 3/8 NPTF 3
 1/2 NPTF 4

PORT TYPE

NPTF threads Leave blank
 BSPP threads W

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

None Leave blank
 0.01-µm rating E8
 With differential pressure Leave blank gauge.
 No differential pressure gauge ... NG

GUARDSMAN II Modular Coalescing Filters

BFCD70 Models Port Sizes: 1/4, 3/8, 1/2



Model Shown: BFCD70-4

SPECIFICATIONS

Ambient/Media Temperature:

Manual & auto drains: 40° to 175°F (4° to 79°C).
Float drains: 40° to 150°F (4° to 66°C).

Body: Zinc.

Bowl: 6-Ounce (180-ml) capacity aluminum with clear nylon sight glass. Bowl can be rotated for easy readability. Optional 10-ounce (300-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: Nylon.

Differential Pressure Gauge: A60F-28.

Filter Element: 0.3- μm -rated borosilicate-glass-fiber coalescing element. Optional 0.01- μm -rated element (reduces flow by 20%).

Fluid Media: Compressed air.

Inlet Pressure:

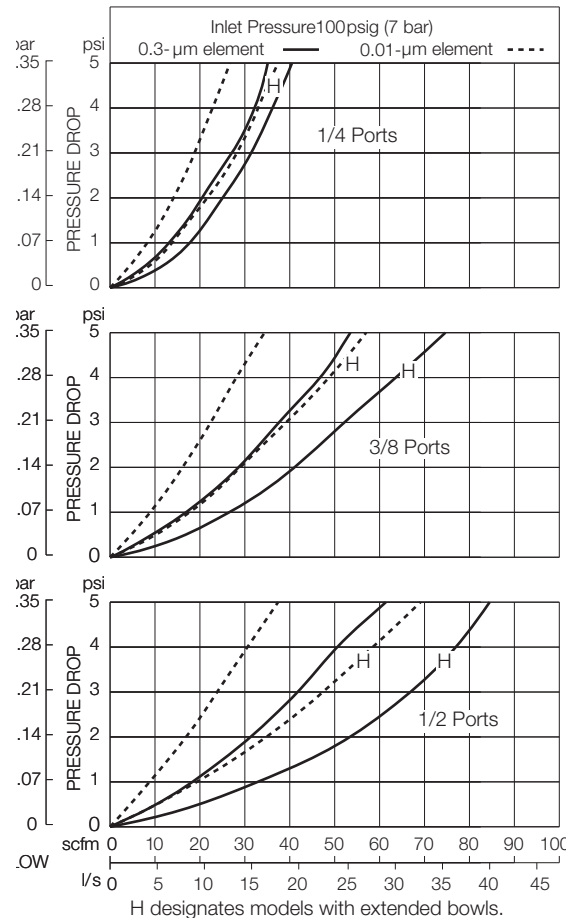
Minimum: 15 psig (1 bar) with automatic drain, 30 psig (2 bar) with internal float drain.

Maximum: 200 psig (14 bar).

Seals: Nitrile.

- ◆ Modular or inline mounting.
- ◆ 0.3- μm -rated coalescing filter element; optional 0.01- μm -rated element.
- ◆ Aluminum bowl with clear nylon sight glass. Bowl can be rotated for easy readability.
- ◆ Optional extended bowl with higher flow filter element.
- ◆ Differential pressure gauge to indicate when filter element needs changing.
- ◆ Internal automatic drain; optional manual drain and internal float drain.
- ◆ NPTF port threads; optional BSPP threads.

FLOW CHARTS

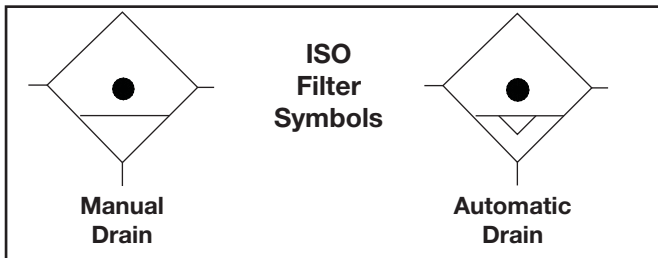
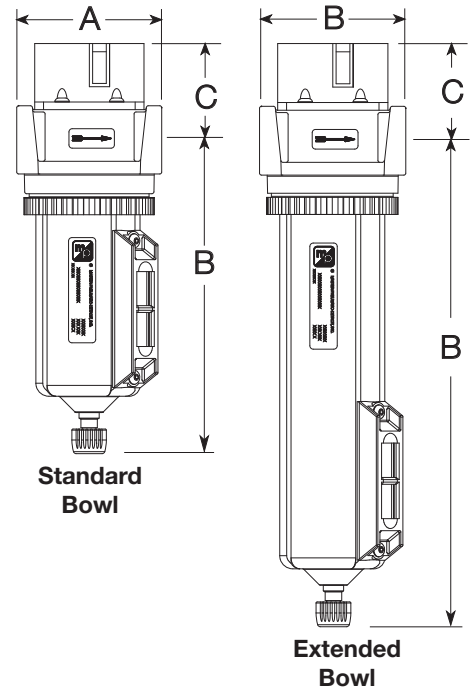


APPLICATION NOTE: A general purpose filter must be installed ahead of a coalescing filter to ensure good performance and to extend the life of the coalescing element.

DIMENSIONS inches (cm)

Bowl	A	B	C	Depth	Weight lb (kg)
Standard	2.7 (67)	6.5 (165)	1.8 (45)	2.4 (60)	1.75 (0.80)
Extended	2.7 (67)	9.5 (241)	1.8 (45)	2.4 (60)	2.00 (0.91)

Note: Remove 1.23 (3.2) from (C) dimension if no differential pressure gauge is ordered.



REPLACEMENT FILTER ELEMENT KITS

Element Type	Kit Number
0.3 µm Standard bowl (Std element).....	A60F-29
0.3 µm Extended bowl (Std element)	A60F-32
0.01 µm Standard bowl	A60F-29E8
0.01 µm Extended bowl.....	A60F-32E8

ORDERING INFORMATION

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

BFC D 70 - 2 Y W

BOWL and DRAIN TYPE

- Metal bowl, internal automatic drain BFC D
- Metal bowl, manual drain BFC
- Metal bowl, internal float drain BFC6A
(Brass stem).

BOWL SIZE

- Standard 6-ounce bowl 70
- Extended 10-ounce bowl with higher flow ... 70H
filter element.

PORT TYPE

- NPTF threads Leave blank
- BSPP threads W

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

- 0.3-µm ratingLeave blank
- 0.01-µm ratingE8
- With differential pressureLeave blank gauge.
- No differential pressure gauge .. NG

PORT SIZE

- 1/4 NPTF 2
- 3/8 NPTF 3
- 1/2 NPTF 4

SERIES 350 Modular Coalescing Filters

FC350 Models Port Sizes: 1/4, 3/8, 1/2



Available Color Caps

Yellow
(standard)



Red
(optional)



Blue
(optional)



Grey
(optional)



Model Shown: FC5A350-3C1

SPECIFICATIONS

Ambient/Media Temperature:

Plastic Bowl, all drain types: 40° to 125°F (4° to 52°C).
Metal Bowl, manual drains: 40° to 175°F (4° to 79°C).
Metal Bowl, float drains: 40° to 150°F (4° to 66°C).

Body: Die-cast zinc.

Bowl: 5.1-Ounce (151-ml) capacity polycarbonate plastic with nylon shatterguard; optional 6.0 ounce (177-ml) aluminum bowl with clear nylon sight glass. Optional 10-ounce (300-ml) extended aluminum bowl with clear nylon sight glass and higher flow filter element.

Bowl Drain: Internal float drain; by removing the adjustment knob, a 3/16" (5mm) flexible tube can be connected to drain effluents. Optional manual drain.

Cap Color: Yellow, optional red, blue and grey.

Differential Pressure Gauge: A125-09

Filter Element: 0.3- μ m-rated borosilicate-glass-fiber; optional 0.01- μ m-rated element (reduces flow by 20%).

Fluid Media: Compressed air.

Inlet Pressure:

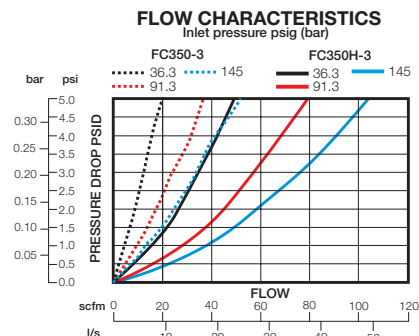
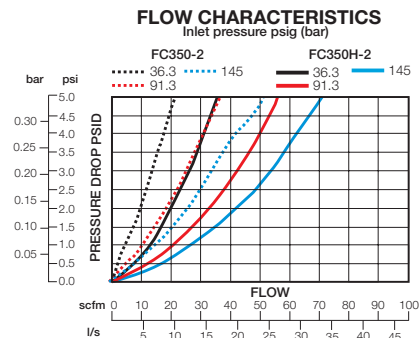
Plastic bowl & manual drain: 0-150 psig (0-10 bar).
Plastic bowl & Float drain: 30-150 psig (2-10 bar).
Metal bowl & manual drain: 0-250 psig (0-17 bar).
Metal bowl & Float drain: 30-200 psig (2-14 bar).

Seals: Nitrile.

- ◆ Modular or inline mounting.
- ◆ Designed to remove particulate material 99.98% of free oils and solid contaminants 0.3 microns and larger.
- ◆ Optional 0.01- μ m-rated element.
- ◆ Removal of effluents via manual or automatic drains.
- ◆ Inlet pressure rated at 250 psig (17 bar) with metal bowls up to 175°F (79°C).
- ◆ Color caps available for visual management systems. (Blue, red, yellow and grey). Consult factory for custom colors.
- ◆ Front mounted modular clamping design with encapsulated screws.
- ◆ Compatible with modular 380 series of products.
- ◆ Coalescent elements are absolute rated.
- ◆ Polycarbonate plastic bowl with shatterguard. Optional metal bowl.
- ◆ Differential pressure gauge to indicate when filter element needs changing.
- ◆ NPTF port threads; optional 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.

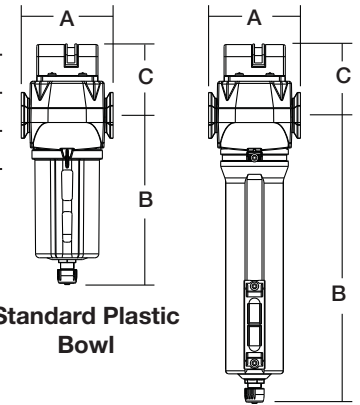
FLOW CHARTS



DIMENSIONS inches (mm)

Bowl	A	B †	C	Depth	Weight lb (kg)
Std plastic	3.0 (76.2)	5.54 (140.7)	2.33 (59.3)	2.51 (63.8)	1.30 (0.59)
Std metal	3.0 (76.2)	6.42 (163.1)	2.33 (59.3)	2.76 (70.1)	1.42 (0.65)
Ext metal	3.0 (76.2)	9.51 (241.6)	2.33 (59.3)	2.76 (70.1)	1.54 (0.70)

† **Bowl (standard) removal clearance:** add 3.1 (79)
 † **Bowl (extended) removal clearance:** add 6.1 (155)



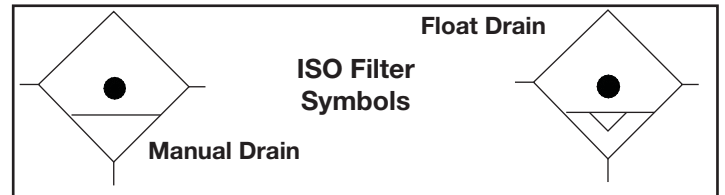
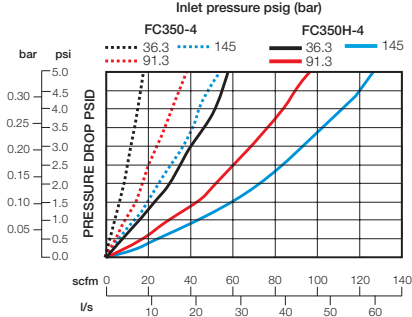
Standard Plastic Bowl

Extended Metal Bowl

REPLACEMENT FILTER ELEMENT KITS

Element Type	Kit Number
0.3 µm Standard for plastic bowl	A60F-23
0.3 µm Standard for metal bowl	A60F-29
0.3 µm Extended for metal bowl	A60F-32
0.01 µm Standard for plastic bowl	A60F-23E8
0.01 µm Standard for metal bowl	A60F-29E8
0.01 µm Extended metal bowl	A60F-32E8

FLOW CHARACTERISTICS



ORDERING INFORMATION

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

BFC 350 H S - 3 E8 W

BOWL AND DRAIN TYPE

- (Metal bowls contain a sight glass)*
- Plastic bowl, manual drain FC
 - Metal bowl, manual drain BFC
 - Plastic bowl, internal float drain (**plastic stem**) ... FC5A
 - Metal bowl, internal float drain (**brass stem**) BFC6A

BOWL LENGTH

- Standard length Leave Blank
 - Extended bowl length H
- (Must be used with metal bowl option shown in BOWL AND DRAIN TYPE).*

DIFFERENTIAL PRESSURE GAUGE

- No gauge (No gauge ports) Leave Blank
- Differential pressure gauge S

PORT TYPE

- NPTF threads Leave blank
- BSPF threads W

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

Cap color:

- Yellow (standard) C1
- Red C2
- Mid blue C3
- Grey Leave Blank

Filter element: (borosilicate-glass-fiber)

- 0.3-µm rating Leave Blank
- 0.01-µm rating E8

PORT SIZE

- 1/4 NPTF 2
- 3/8 NPTF 3
- 1/2 NPTF 4

Full-Size VANGUARD Modular Coalescing Filters

FC101 Models Port Sizes: 1/4, 3/8, 1/2



Model Shown: FC101-2

SPECIFICATIONS

Ambient/Media Temperature:

Plastic Bowl, all drain types: 40° to 125°F (4° to 52°C).
Metal Bowl, manual & auto drains: 40° to 175°F (4° to 79°C).
Metal Bowl, float drains: 40° to 150°F (4° to 66°C).

Body: Zinc.

Bowl: 8-Ounce (240-ml) capacity polycarbonate plastic with steel shatterguard; optional zinc bowl with clear nylon sight glass. Optional 20-ounce (600-ml) extended polycarbonate or zinc bowl has higher flow filter element.

Bowl Drain: Manual. Optional internal automatic drain and internal float drain.

Bowl Ring: Aluminum.

Differential Pressure Gauge: Small 103-151.

Filter Element: 0.3- μ m-rated borosilicate-glass-fiber coalescing element; optional 0.01- μ 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.

Plastic Bowl: 150 psig (10 bar) maximum.

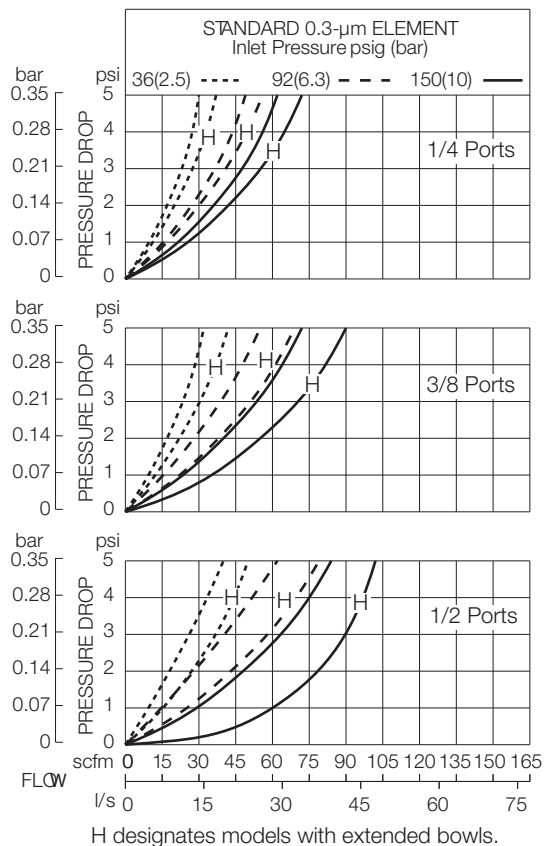
Metal Bowl: 200 psig (14 bar) maximum.

Seals: Nitrile.

- ◆ Modular or inline mounting.
- ◆ 0.3- μ m-rated coalescing filter element; optional 0.01- μ m element.
- ◆ Differential pressure gauge.
- ◆ High-strength polycarbonate plastic filter bowl with steel shatterguard; optional metal bowl with clear nylon sight glass.
- ◆ Optional extended bowl with higher flow filter element.
- ◆ Manual filter drain; optional internal automatic drain and internal float drain.
- ◆ NPTF port threads; optional BSPP threads.

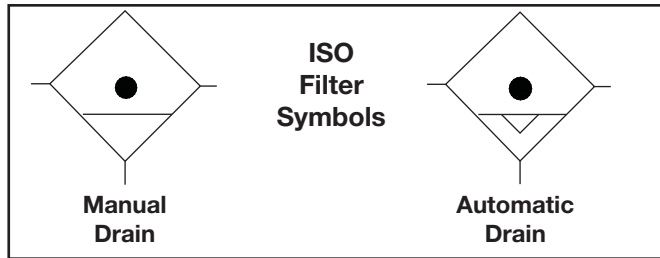
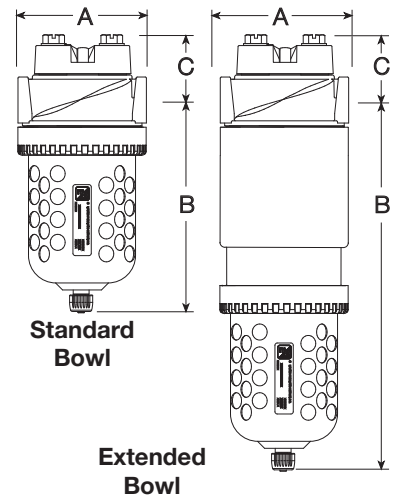
APPLICATION NOTE: A general purpose filter must be installed ahead of a coalescing filter to ensure good performance and to extend the life of the coalescing element.

FLOW CHARTS



DIMENSIONS inches (mm)

Bowl	A	B	C	Depth	Weight lb (kg)
Standard	3.5 (89)	5.8 (146)	1.8 (45)	3.5 (89)	2.13 (0.95)
Extended	3.5 (89)	10.3 (260)	1.8 (45)	3.5 (89)	3.25 (1.54)



REPLACEMENT FILTER ELEMENT KITS

Element Type	Kit Number
0.3 µm Standard bowl (Std element).....	A103-160
0.3 µm Extended bowl	A103-160L
Models with E8 option:	
0.01 µm Standard bowl	A103-160E8
0.01 µm Extended bowl	A103-160LE8

BFC 101 - 2 Y W

BOWL AND DRAIN TYPE

- Plastic bowl, internal automatic drain FCD
- Metal bowl, internal automatic drain BFC
- Plastic bowl, manual drain FC
- Metal bowl, manual drain BFC
- Plastic bowl, internal float drain FC5A
- Metal bowl, internal float drain BFC6A

BOWL SIZE and DIFFERENTIAL PRESSURE GAUGE

Standard Bowls:

- Tapped ports on head, no gauge 101
(Add 'NG' option under **OPTION** section).
- Tapped ports on head, small gauge 101
- Tapped ports on head, large gauge 101L
- Tapped ports on head, large gauge 101E
with normally **OPEN** reed switch.
- Tapped ports on head, large gauge 101E2
with normally **CLOSED** reed switch.

Extended Bowls:

- Tapped ports on head, no gauge 101H
(Add 'NG' option under **OPTION** section).
- Tapped ports on head, small gauge 101H
- Tapped ports on head, large gauge 101HL
- Tapped ports on head, large gauge 101HE
with normally **OPEN** reed switch.
- Tapped ports on head, large gauge 101HE2
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.)

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' option under **BOWL and DRAIN TYPE** section.)
- No differential gauge NG
(Add '101' option under **BOWL SIZE and DIFFERENTIAL PRESSURE GAUGE** section).

PORT SIZE

- 1/4 NPTF 2
- 3/8 NPTF 3
- 1/2 NPTF 4

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)

Full-Size SERIES 380 Modular Coalescing Filters

FCD380 Models Port Sizes: 3/8, 1/2, 3/4

Available Color Caps



Model Shown: FCD380S-4

SPECIFICATIONS

Ambient/Media Temperature:

Plastic Bowl, all drain types: 40° to 125°F (4° to 52°C).
Metal Bowl, manual & auto drains: 40° to 175°F (4° to 79°C).
Metal Bowl, float drains: 40° to 150°F (4° to 66°C).

Body: Die-cast zinc.

Bowl: 9-Ounce (270-ml) capacity polycarbonate plastic with steel shatterguard; optional aluminum bowl with clear nylon sight glass. Optional 15-ounce (450-ml) extended aluminum bowl with a clear nylon sight glass and higher flow filter element.

Bowl Drain: Internal automatic drain; optional manual drain, internal float drain, or Warrior electronic drain.

Bowl Ring: Nylon.

Cap Color: Grey. Yellow, red, and blue optional.

Differential Pressure Gauge: Small K103-151.

Filter Element: 0.3- μ m-rated borosilicate-glass-fiber; optional 0.01- μ m-rated element (reduces flow by 20%).

Fluid Media: Compressed air.

Inlet Pressure:

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

Plastic bowl: 150 psig (10 bar).

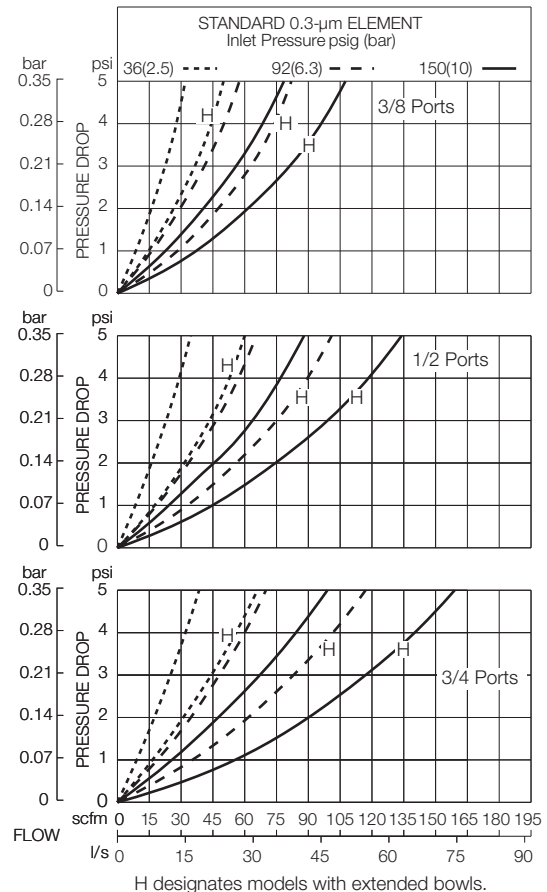
Metal bowl: 200 psig (14 bar).

Seals: Nitrile.

- ◆ Modular or inline mounting.
- ◆ 0.3- μ m-rated coalescing filter element; optional 0.01- μ m-rated element.
- ◆ Polycarbonate plastic bowl with steel shatter-guard; optional metal bowl with sight glass.
- ◆ Optional extended metal bowl with higher capacity filter element included.
- ◆ Differential pressure gauge to indicate when filter element needs changing.
- ◆ Internal automatic bowl drain; optional manual drain, internal float drain, or Warrior electronic drain.
- ◆ NPTF port threads; optional 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.

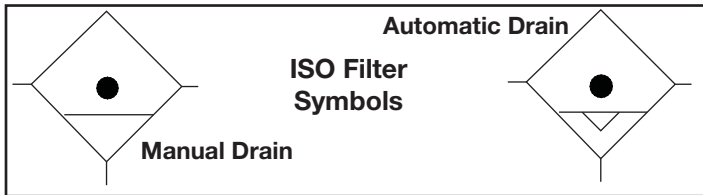
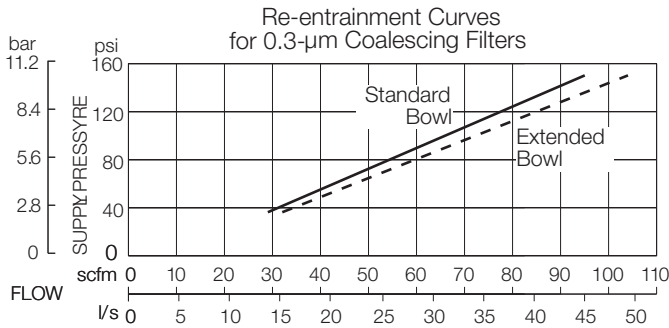
FLOW CHARTS



DIMENSIONS inches (mm)

Bowl	A	B †	C	Depth	Weight lb (kg)
Polycarbonate	3.5 (88)	7.7 (195)	2.2 (55)	2.9 (73)	2.13 (0.97)
9-Ounce Metal	3.5 (88)	7.6 (193)	2.2 (55)	3.1 (79)	2.13 (0.97)
Extended Metal	3.5 (88)	11.2 (284)	2.2 (55)	3.1 (79)	2.31 (1.05)

† Bowl removal clearance: add 3.1 (79) for 9-ounce bowl; 6.1 (155) for extended bowl.



ORDERING INFORMATION

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

BFCD 380S - 3 Y W

BOWL AND DRAIN TYPE (Metal bowls

contain a sight glass)

Plastic bowl, internal automatic drain	FCD
Metal bowl, internal automatic drain	BFCD
Plastic bowl, manual drain	FC
Metal bowl, manual drain	BFC
Plastic bowl, internal float drain (plastic stem) ...	FC5A
Metal bowl, internal float drain (brass stem)	BFC6A
Metal bowl, warrior electronic drain	BFC2A

BOWL SIZE and DIFFERENTIAL PRESSURE GAUGE

Standard Bowls - 9 ounce:

Tapped ports on head, no gauge	380
Tapped ports on head, small gauge	380S
Tapped ports on head, large gauge	380L
Tapped ports on head, large gauge	380E
with normally OPEN reed switch.	
Tapped ports on head, large gauge	380E2
with normally CLOSED reed switch.	

Extended Bowls - 15 ounce high flow:

(Only available with metal bowl option. Also use 'B' options under **BOWL AND DRAIN TYPE** section.)

Tapped ports on head, no gauge	380H
Tapped ports on head, small gauge	380HS
Tapped ports on head, large gauge	380HL
Tapped ports on head, large gauge	380HE
with normally OPEN reed switch.	
Tapped ports on head, large gauge	380HE2
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
------------	-------------

Cap color:

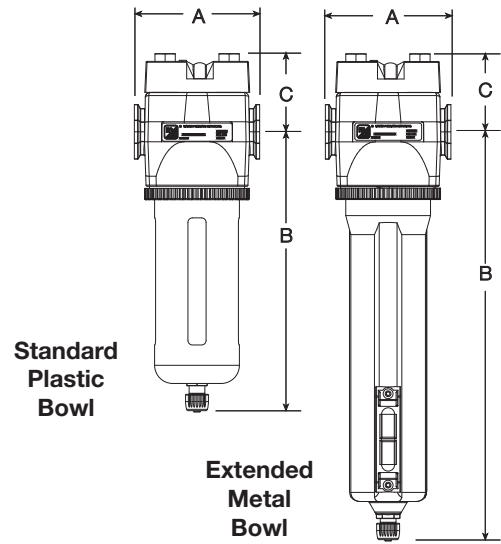
Grey	Leave Blank
Yellow	C1
Red	C2
Blue	C3

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' option under BOWL AND DRAIN TYPE section.)	

PORT SIZE

3/8 NPTF	3
1/2 NPTF	4
3/4 NPTF	6



REPLACEMENT FILTER ELEMENT KITS

Element Type	Kit Number
0.3 µm Standard bowl	A115-117
0.3 µm Extended bowl	A115-118
0.01 µm Standard bowl	A115-117E8
0.01 µm Extended bowl	A115-118E8

High-Flow VANGUARD Coalescing Filters

FCD101 Models Port Sizes: 3/4, 1



Model Shown: FCD101-6

SPECIFICATIONS

Ambient/Media Temperature:

Plastic Bowl, all drain types: 40° to 125°F (4° to 52°C).
Metal Bowl, manual & auto drains: 40° to 175°F (4° to 79°C).
Metal Bowl, float drains: 40° to 150°F (4° to 66°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- μ m-rated borosilicate-glass-fiber coalescing element; optional 0.01- μ 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.

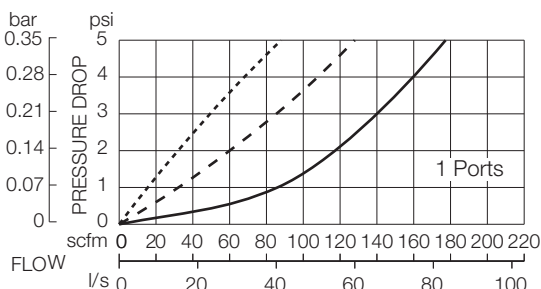
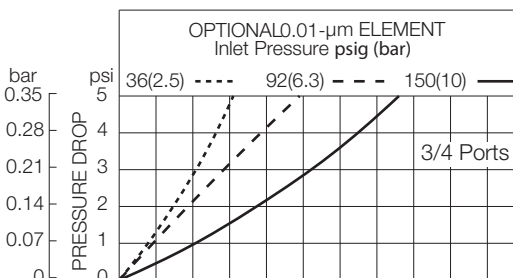
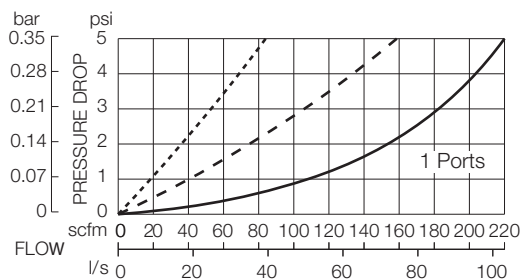
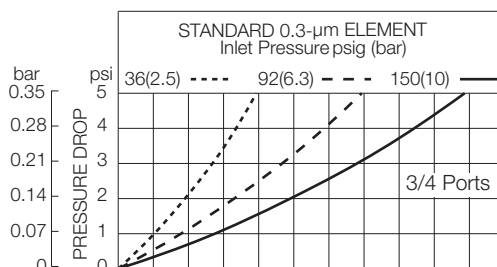
Metal Bowl: 200 psig (14 bar) maximum.

Seals: Nitrile.

- ◆ Inline mounting.
- ◆ 0.3- μ m-rated coalescing filter element; optional 0.01- μ 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 BSPP threads.

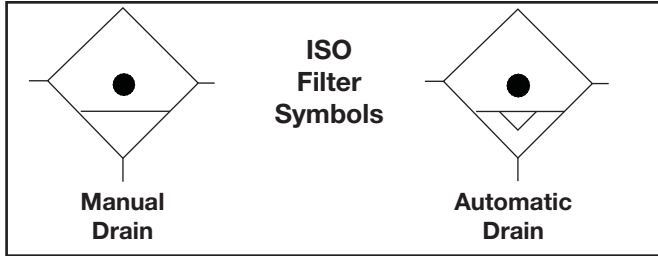
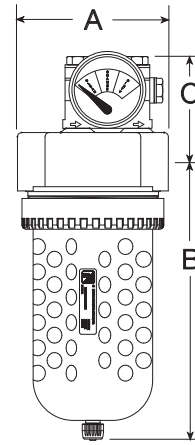
APPLICATION NOTE: A general purpose filter must be installed ahead of a coalescing filter to ensure good performance and to extend the life of the coalescing element.

FLOW CHARTS



DIMENSIONS inches (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 BFC
- Plastic bowl, internal float drain FC5A
(plastic stem)
- Metal bowl, internal float drain BFC6A
(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.

PORT TYPE

- NPTF threads Leave blank
- BSPF 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

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)

High-Flow VANGUARD Coalescing Filters

BFCD201 Models Port Sizes: 3/4, 1



Model Shown: BFCD201-6

SPECIFICATIONS

Ambient/Media Temperature:

Manual & auto drains: 40° to 175°F (4° to 79°C).
Float drains: 40° to 150°F (4° to 66°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- μ m-rated borosilicate-glass-fiber coalescing element; optional 0.01- μ m-rated element.

Fluid Media: Compressed air.

Inlet Pressure:

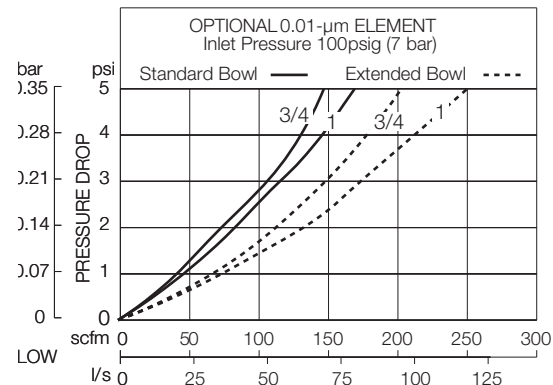
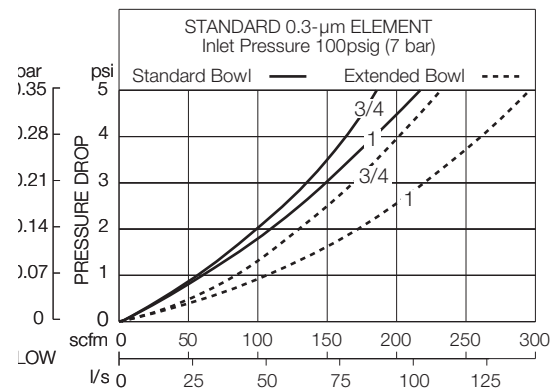
Minimum: 15 psig (1 bar) with automatic drain, 30 psig (2 bar) with internal float drain.
200 psig (14 bar) maximum.

Seals: Nitrile.

- ◆ Inline mounting.
- ◆ 0.3- μ m-rated coalescing filter element; optional 0.01- μ m element.
- ◆ Differential pressure gauge.
- ◆ Aluminum bowl.
- ◆ Internal automatic drain; optional manual drain and internal float drain.
- ◆ NPTF port threads; optional BSPP threads.

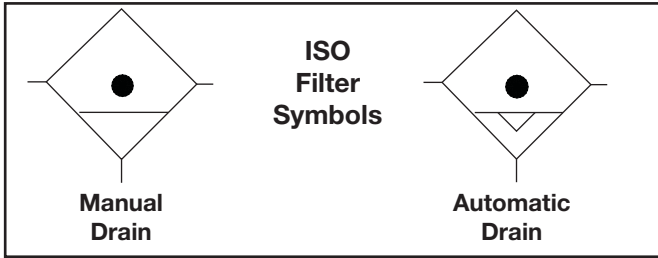
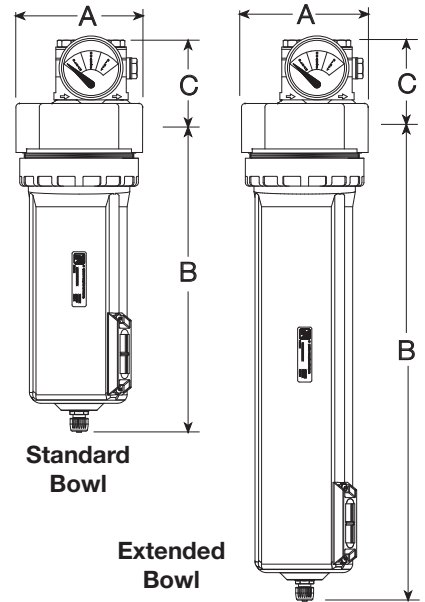
APPLICATION NOTE: A general purpose filter must be installed ahead of a coalescing filter to ensure good performance and to extend the life of the coalescing element.

FLOW CHARTS



DIMENSIONS inches (mm)

Bowl	A	B	C	Depth	Weight lb (kg)
Standard	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.

B F C D 201 - 6 Y W

BOWL DRAIN

- Internal automatic drain B F C D
- Manual Drain B F C
- Internal Float drain (*brass stem*) B F C 6 A

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

REPLACEMENT FILTER ELEMENT KITS

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

PORT TYPE

- NPTF threads Leave blank
- BSPF 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

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*)

High-Flow VANGUARD Coalescing Filters

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



Model Shown: BFCD201-10

SPECIFICATIONS

Ambient/Media Temperature:

Manual & auto drains: 40° to 175°F (4° to 79°C).

Float drains: 40° to 150°F (4° to 66°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- μ m-rated borosilicate-glass-fiber coalescing element; optional 0.01- μ 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.

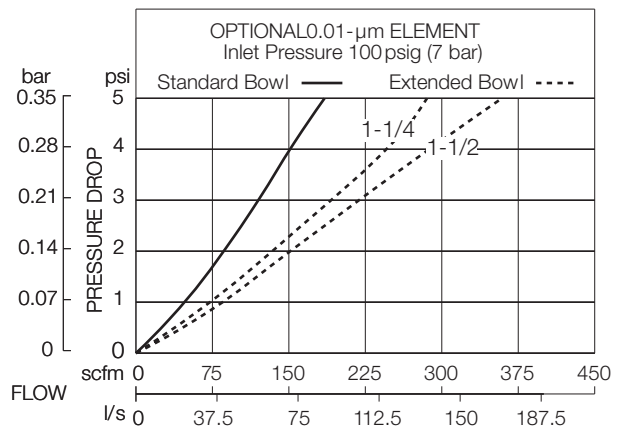
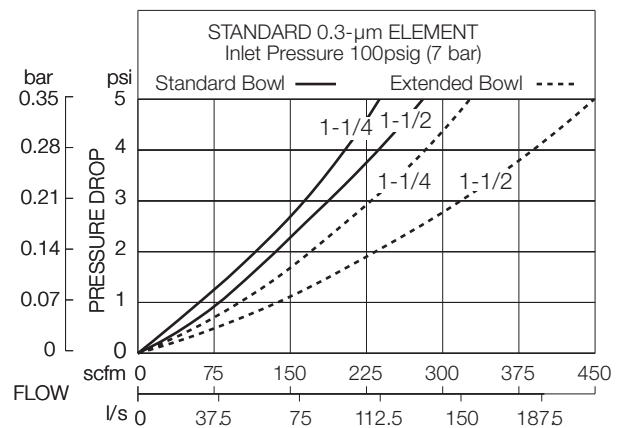
Maximum: 200 psig (14 bar)

Seals: Nitrile.

- ◆ Inline mounting.
- ◆ 0.3- μ m-rated coalescing filter element; optional 0.01- μ 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 BSPP threads.

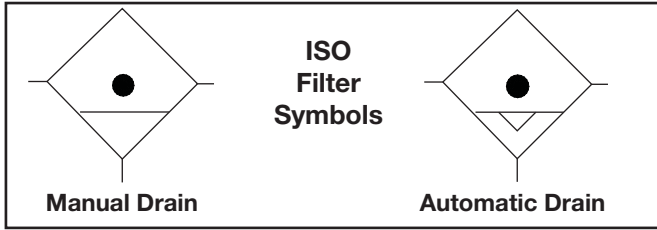
APPLICATION NOTE: A general purpose filter must be installed ahead of a coalescing filter to ensure good performance and to extend the life of the coalescing element.

FLOW CHARTS



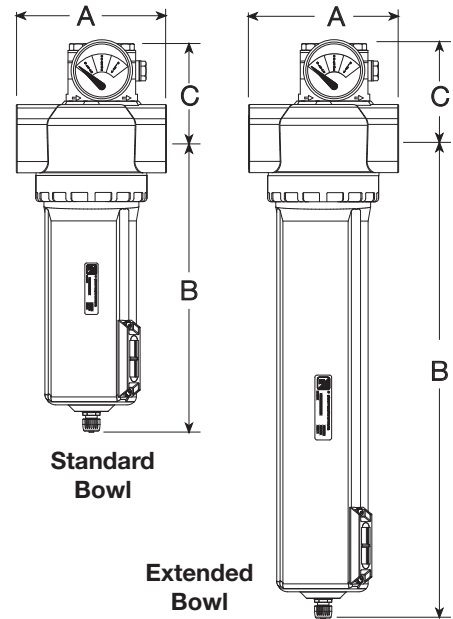
DIMENSIONS inches (mm)

Bowl	A	B	C	Depth	Weight lb (kg)
Standard	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 (*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
 BSPF 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

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*)

High-Flow VANGUARD Coalescing Filters



Model Shown: BFC6A401L-10

SPECIFICATIONS

Ambient/Media Temperature:

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

Float 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.

Differential Pressure Gauge: 106-35.

Filter Element: 0.3- μ m-rated borosilicate-glass-fiber coalescing element; optional 0.01- μ 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.

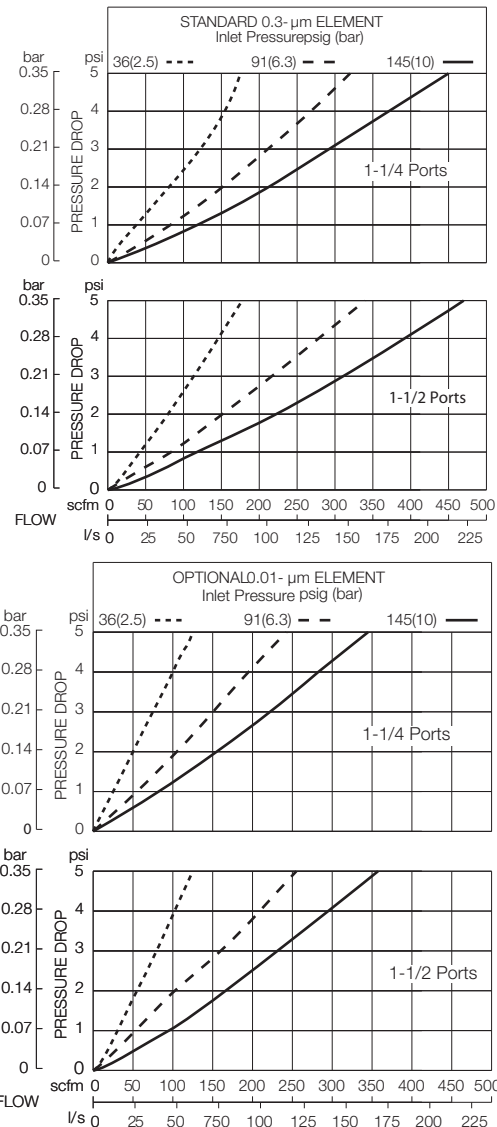
Seals: Nitrile.

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

- ◆ Inline mounting.
- ◆ 0.3- μ m-rated coalescing filter element; optional 0.01- μ 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.
- ◆ NPTF port threads; optional BSPP threads.

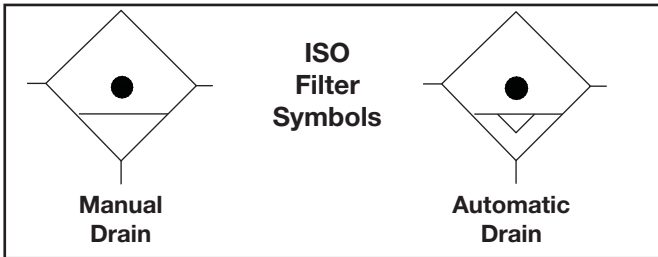
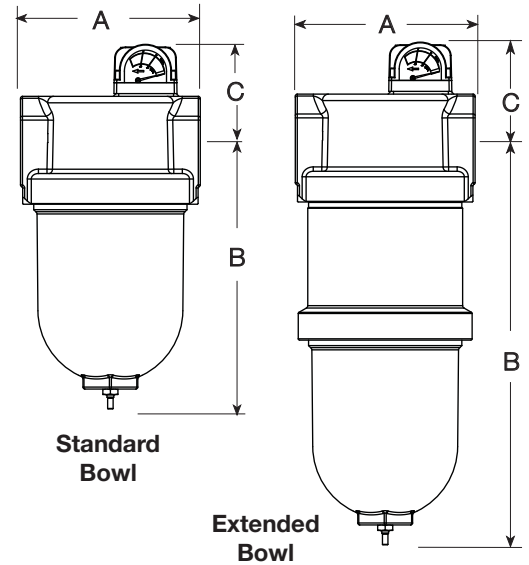
APPLICATION NOTE: A general purpose filter must be installed ahead of a coalescing filter to ensure good performance and to extend the life of the coalescing element.

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)



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
 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

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-Flow VANGUARD Coalescing Filters

BFC6A401H Model Port Size: 2



Model Shown: BFC6A401HL-16

SPECIFICATIONS

Ambient/Media Temperature:

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

Float 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.

Differential Pressure Gauge: 106-35.

Filter Element: 0.3- μm -rated borosilicate-glass-fiber coalescing element; optional 0.01- μm -rated element.

Fluid Media: Compressed air.

Inlet Pressure:

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

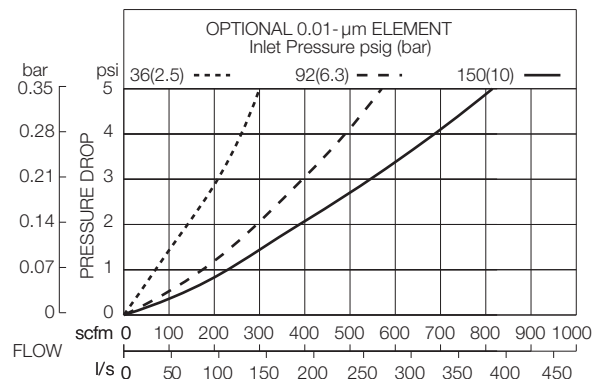
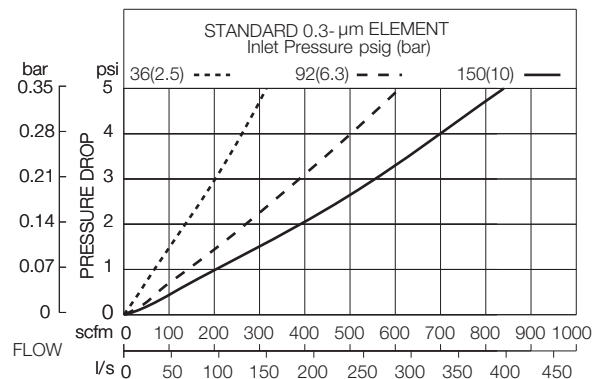
Manual drain: 0 psig (0 bar) minimum 300 psig (21 bar) maximum.

Seals: Nitrile.

- ◆ Inline mounting.
- ◆ 0.3- μm -rated coalescing filter element; optional 0.01- μm element.
- ◆ Differential pressure gauge.
- ◆ Aluminum bowl.
- ◆ Internal float drain; optional manual drain.
- ◆ **NPTF** port threads; optional **BSPP** threads.

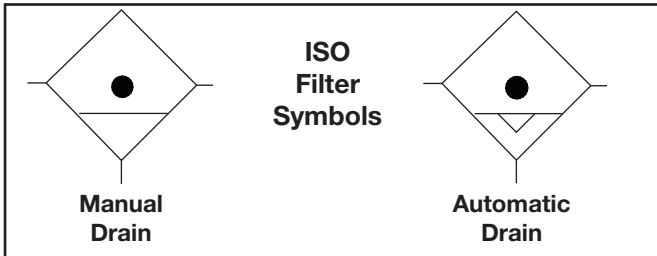
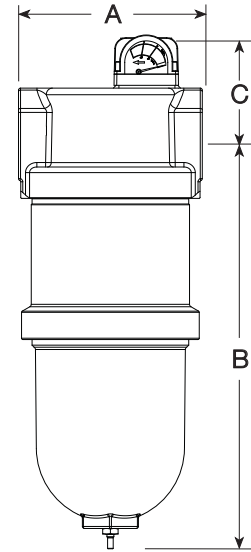
APPLICATION NOTE: A general purpose filter must be installed ahead of a coalescing filter to ensure good performance and to extend the life of the coalescing element.

FLOW CHARTS



DIMENSIONS inches (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)



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
- 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

- 2 NPTF 16

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*)