

SERIES 350 Modular Coalescing Filters



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).

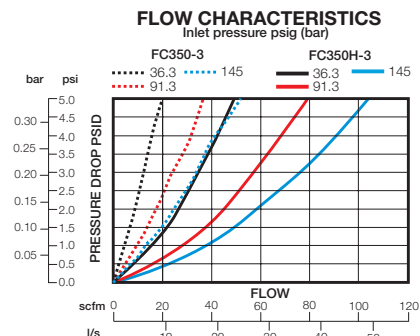
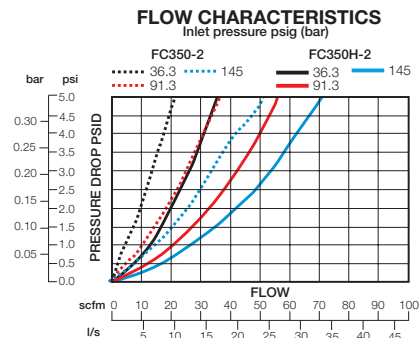
Seals: Nitrile.

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

- ◆ 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.

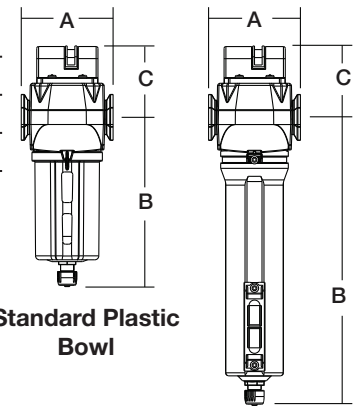
FLOW CHARTS



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)



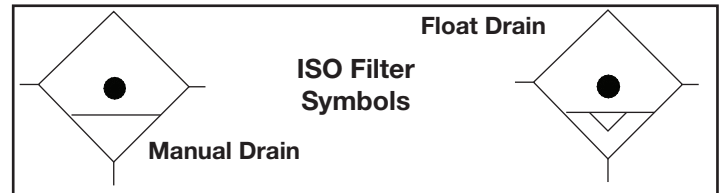
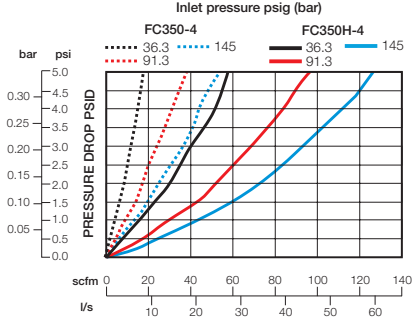
Standard Plastic Bowl

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)

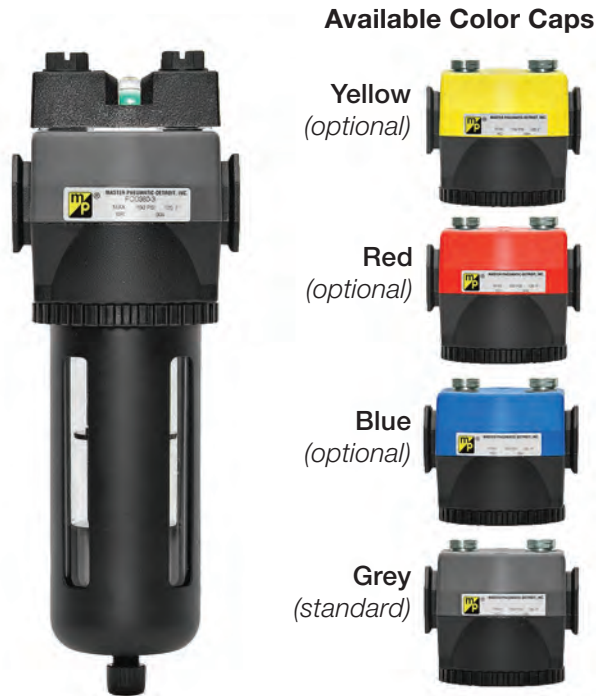
- 0.3-µm rating Leave Blank
- 0.01-µm rating E8

PORT SIZE

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

Full-Size SERIES 380 Modular Coalescing Filters

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



Model Shown: FCD380S-4

Available Color Caps

Yellow
(optional)

Red
(optional)

Blue
(optional)

Grey
(standard)

- ◆ 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.

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:

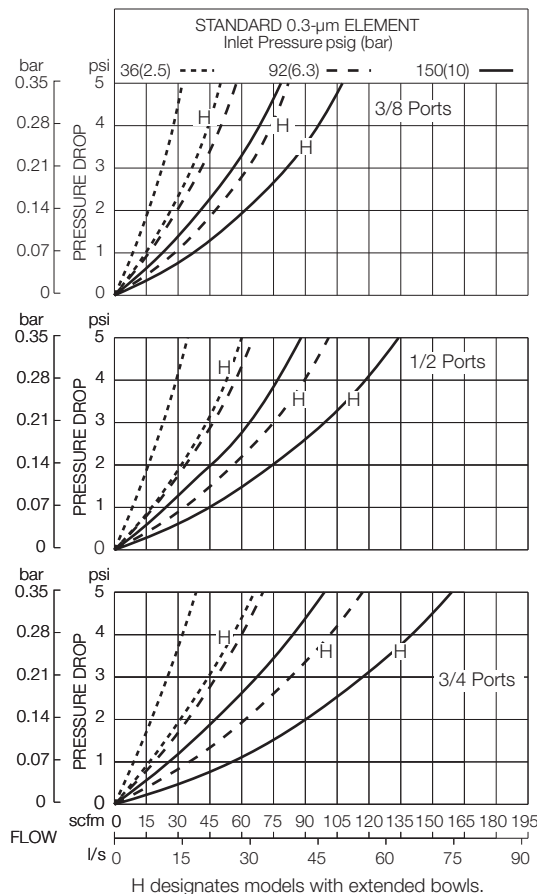
Minimum: 15 psig (1 bar) with automatic drain, 30 psig (2 bar) with internal float drain.

Plastic bowl: 150 psig (10 bar).

Metal bowl: 200 psig (14 bar).

Seals: Nitrile.

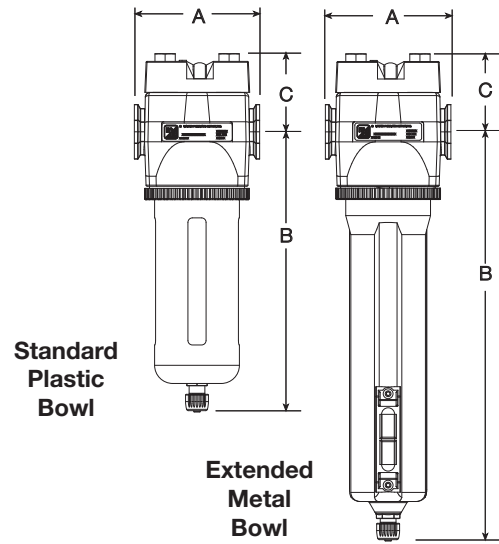
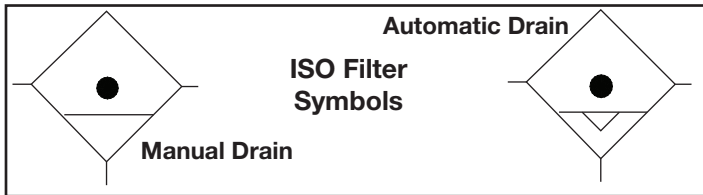
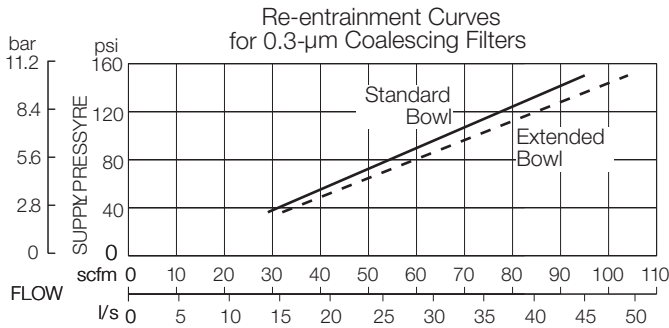
FLOW CHARTS



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.



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

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
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Cap color:

Grey	Leave Blank
MP yellow	C1
Red	C2
Mid 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