

Full-Size SERIES 380 Modular Integral Filter/Regulators

CFDR380 Models Port Sizes: 3/8, 1/2, 3/4



Model Shown: CFDR380-G

- ◆ Filter (FD380) and regulator (R380) consolidated into a single space-saving assembly.
- ◆ Modular or inline mounting.
- ◆ 5- μ m-rated polyethylene filter element; optional 40- μ m element.
- ◆ Polycarbonate plastic bowl with steel shatter-guard; optional metal bowl with sight glass.
- ◆ Internal automatic drain; optional manual drain and internal float drain.
- ◆ Self-relieving diaphragm-type regulator; non-relieving optional.
- ◆ Pressure adjustment locking key; tamper-resistant pressure setting.
- ◆ Pressure gauge included; two gauge ports.
- ◆ NPTF port threads; optional BSPP threads.

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.

Bonnet:

Nylon: aluminum wth optional 0-175 psig spring.

Bowl: 9-Ounce (270-ml) 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.

Cap Color: Black.

Filter Element: 5- μ m-rated polyethylene; optional 40- μ m 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).

Metal bowl: 200 psig (14 bar).

Outlet Pressure: Adjustable up to 125 psig (8.6 bar); optional adjusting springs.

Pressure Adjustment Locking Key: Removable.

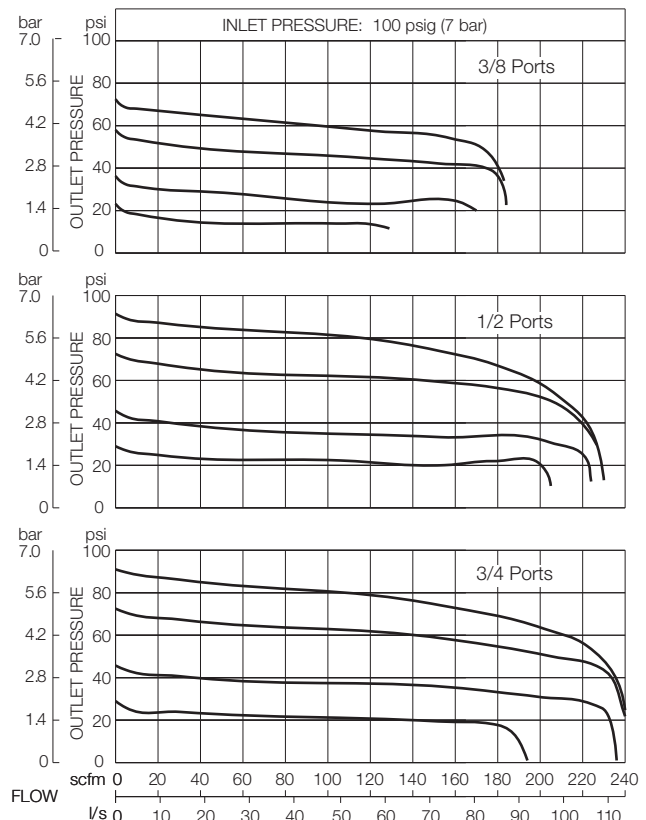
Pressure Gauge: 0 to 200 psig (14 bar); 1/4 NPT gauge ports front and rear.

Panel Mounting: 2.05-inch (52.1-mm) hole required.

Seals: Nitrile.

Valve: Brass.

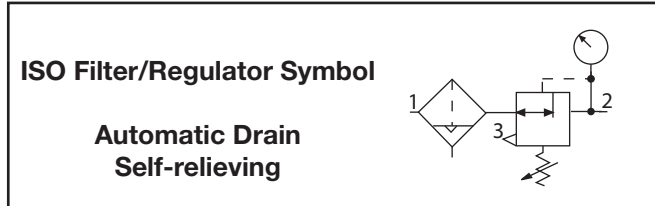
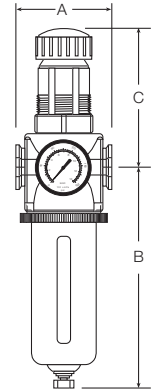
FLOW CHARTS



DIMENSIONS inches (mm)

Bowl	A	B *	C **	Depth †	Weight † lb (kg)
Polycarbonate	3.5 (88)	7.7 (195)	5.4 (137)	2.9 (73)	3.69 (1.68)
Metal	3.5 (88)	7.6 (193)	5.4 (137)	2.9 (73)	3.69 (1.68)

* Bowl removal clearance: add 3.1 (79).
 ** Dome removal clearance: add 0.63 (16).
 † Less gauge.



REPLACEMENT FILTER ELEMENT KITS

Element Rating	Kit Number
5-µm Polyethylene (Std element)	A115-106PE5
40-µm Polyethylene	A115-106PE3
5-µm Bronze	A115-106E5
20-µm Bronze	A115-106E4

ORDERING INFORMATION

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

BCFDR 380-3 Y G W

BOWL AND DRAIN TYPE

- Plastic bowl, manual drain CFR
- Metal bowl, manual drain BCFR
- Plastic bowl, automatic drain CFDR
- Metal bowl, automatic drain BCFDR
- Plastic bowl, internal float drain (plastic stem) ... CF5AR
- Metal bowl, internal float drain (brass stem) BCF6AR

PORT SIZE

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

PORT TYPE

- NPTF threads Leave blank
- BSPP threads W

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

- None Leave Blank
- Panel mounting nut P
- 0-200 psig gauge G

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

- None Leave Blank
- Non-relieving A

Polyethylene filter element:

- 5-µm rating Leave Blank

Bronze filter element:

- 5-µm rating E5
- 20-µm rating E4
- 40-µm rating E3
- 0-175 psig (0-12 bar) H**

Adjusting spring:

- 0-50 psig (0-3.4 bar) L
- Less drain cock LDC
(1/4-NPTF female port instead.
use manual drain option under
BOWL DRAIN section and only
available in Metal Bowl under
BOWL TYPE).

- Metal dome MD
- Limit maximum psig setting M*
- Tee handle T

* Insert maximum limit pressure.

** H option spring includes metal dome.

MOUNTING BRACKETS

See page 346.