

SENTRY Modular Integral Filter/Regulators



Model Shown: CFDR10M-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.

Dome and Knob: Acetal.

Filter Drain:

Internal automatic drain; optional manual drain.

Filter Element: 5- μ m-rated polyethylene; optional 5- μ m, 20- μ m, or 40- μ m sintered bronze.

Fluid Media: Compressed air.

Inlet Pressure:

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

Outlet Pressure: Adjustable up to 100 psig (7 bar).

Pressure Gauge: 0 to 160 psig (10.3 bar); 1/8 NPT gauge ports front and rear.

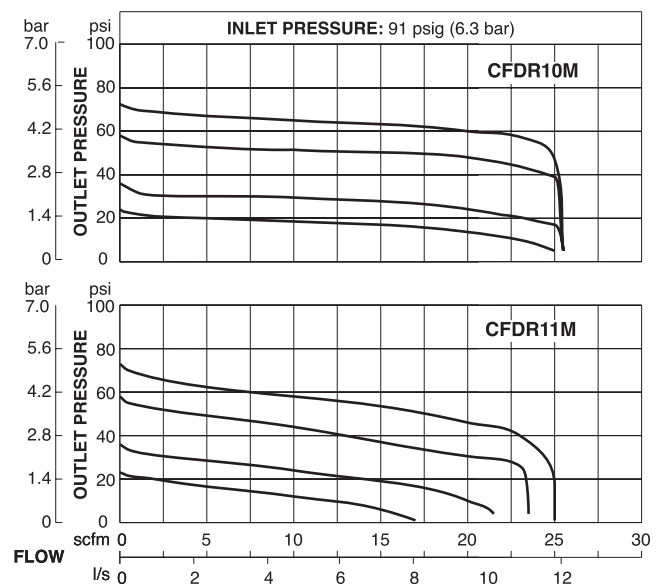
Panel Mounting: 1-3/16 inch (30 mm) hole required.

Seals: Nitrile.

CFDR10M, CFDR11M Models Port Sizes: 1/8, 1/4; Tube Fittings

- ◆ Filter and regulator consolidated in a single assembly.
- ◆ Modular assembly and mounting.
- ◆ Threaded ports or quick-connect fittings for tubing up to 10 mm in diameter.
- ◆ 5- μ m-rated polyethylene filter element; optional sintered bronze elements.
- ◆ High-strength polycarbonate plastic filter bowl; optional metal bowl.
- ◆ Internal automatic drain; optional manual drain.
- ◆ Piston-type regulator (CFDR10M models) or diaphragm-type (CFDR11M models).
- ◆ Self-relieving regulator; non-relieving optional.
- ◆ Pressure gauge.
- ◆ NPTF port threads; optional BSPP threads.

FLOW CHARTS



DIMENSIONS inches (mm)

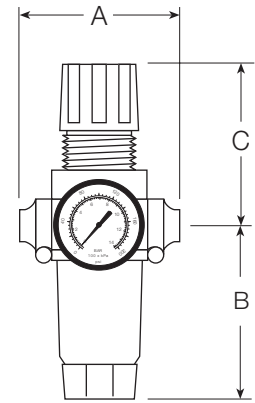
Ports	A	B *	C	Depth †	Weight † lb (kg)
No Port	1.7 (43)	3.6 (92)	2.6 (67)	1.8 (45)	0.31 (0.15)
1/8, 1/4	3.0 (76)	3.6 (92)	2.6 (67)	1.8 (45)	0.53 (0.24)

Models below have quick-connect fittings for tubing.

1/4	3.4 (86)	3.6 (92)	2.6 (67)	1.8 (45)	0.51 (0.23)
3/8	3.9 (99)	3.6 (92)	2.6 (67)	1.8 (45)	0.51 (0.23)
4 mm	3.4 (86)	3.6 (92)	2.6 (67)	1.8 (45)	0.51 (0.23)
6 mm	3.4 (86)	3.6 (92)	2.6 (67)	1.8 (45)	0.51 (0.23)
8 mm	3.1 (79)	3.6 (92)	2.6 (67)	1.8 (45)	0.51 (0.23)
10 mm	3.9 (99)	3.6 (92)	2.6 (67)	1.8 (45)	0.51 (0.23)

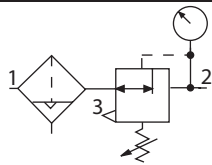
* Dimension with plastic filter bowl; with metal bowl is 4.3 (109).

† Less gauge.



ISO Filter/Regulator Symbol

Automatic Drain
Self-relieving



REPLACEMENT FILTER ELEMENT KITS

Element Type	Kit Number
5-µm polyethylene (Std element).....	KA130-27PE5
5-µm bronze	KA130-27E5
20-µm bronze	KA130-27E4
40-µm bronze	KA130-27E3

ORDERING INFORMATION

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

B C FD R10M P - 2 X Y G W

BOWL TYPE

Plastic bowl Leave Blank
Metal bowl..... B

FILTER DRAIN

Internal automatic drain FD
Manual drain..... F

REGULATOR TYPE

Piston type R10M
Diaphragm type..... R11M

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

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

PORT TYPE

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

OPTIONS (More than one option can be chosen)

0-160 psig Gauge Leave Blank
No psig Gauge NG
Plastic nut P
Metal nut PN
Hex plastic mounting nut PE

OPTIONS (More than one option can be chosen)

None Leave Blank
Non-relieving A
Sintered bronze filter element:
5-µm rating..... E5
20-µm rating..... E4
40-µm rating..... E3
Adjusting springs:
0-125 psig (0-8.6 bar)..... H
0-50 psig (0-3.4 bar)..... L
0-8 psig (0-0.6 bar)..... L8
0-15 psig (0-1.0 bar)..... L15
0-30 psig (0-2.1 bar)..... L30
Tamper-resistant spinning knob (psig preset) MV(*)
Viton seals V

*Insert maximum limited pressure.

MOUNTING BRACKETS

See page 276.

**Integral
FILTER/REGULATORS**