

SENTRY Modular General Purpose Filters

FD10 Models Port Sizes: 1/8, 1/4; Tube Fittings



Model Shown: F10-2

- ◆ 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.
- ◆ NPTF port threads; optional BSPP threads.

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

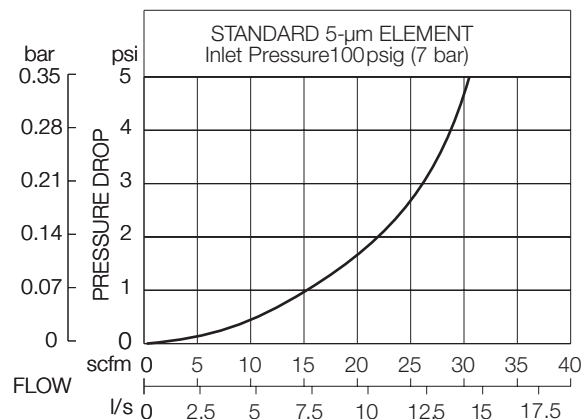
Fluid Media: Compressed air.

Inlet Pressure:

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

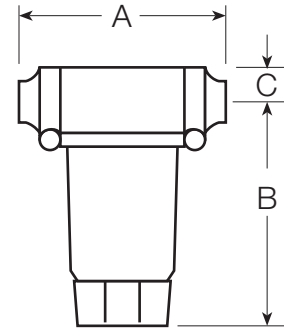
Seals: Nitrile.

FLOW CHART

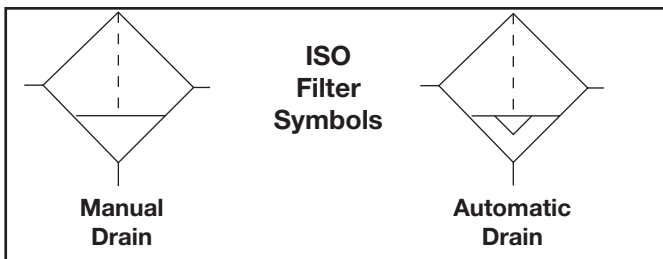


DIMENSIONS inches (mm)

| Ports | A | B † | C | Depth | Weight lb (kg) |
|---|----------|----------|----------|----------|-------------------|
| No Port | 1.7 (43) | 3.6 (92) | 0.5 (13) | 1.8 (45) | 0.27 (0.12) |
| 1/8, 1/4 | 3.0 (76) | 3.6 (92) | 0.5 (13) | 1.8 (45) | 0.49 (0.22) |
| Models below have quick-connect fittings for tubing. | | | | | |
| 1/4 | 3.4 (86) | 3.6 (92) | 0.5 (13) | 1.8 (45) | 0.47 (0.21) |
| 3/8 | 3.9 (99) | 3.6 (92) | 0.5 (13) | 1.8 (45) | 0.47 (0.21) |
| 4 mm | 3.4 (86) | 3.6 (92) | 0.5 (13) | 1.8 (45) | 0.47 (0.21) |
| 6 mm | 3.4 (86) | 3.6 (92) | 0.5 (13) | 1.8 (45) | 0.47 (0.21) |
| 8 mm | 3.1 (79) | 3.6 (92) | 0.5 (13) | 1.8 (45) | 0.47 (0.21) |
| 10 mm | 3.9 (99) | 3.6 (92) | 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 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 you want.

B FD 10 P - 2 X Y W

BOWL TYPE

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

BOWL DRAIN

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

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

None Leave Blank

Sintered bronze filter element:

5-µm rating E5
20-µm rating E4
40-µm rating E3

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