

Specifications

The body shall be a vertical cylinder with the inlet and outlet inline at the bottom, a filter inside and a flow indicator as part of the cover. The body shall have male inlet and outlet threads. The dial shall be shown in 5 GPM or 10 L/m increments on a linear scale. The dial shall have a water-tight, clear-domed cover.

The top cap shall be removable by hand for access to the filter for maintenance. The top cover ring shall be adjustable by lifting, rotating and pushing down to mark the appropriate flow rate for the zone and to check flow rate changes in the future.

The filter shall be removable by hand for cleaning and have a trap at the bottom so it may be removed without debris falling into the outlet. The filter media shall be stainless steel and shall be available in 120 mesh (green), 150 mesh (blue) and 200 mesh (white).

The pressure regulator mechanism shall be preset to a fixed pressure (40 psi / 2,8 bar) and integrated to the filter body (select models).

All parts shall be molded plastic, stainless steel, rubber or other non-corrosive materials.

FLOW-100-PRB & IFLOW-100-PRB

1" Flow-Indicating Basket Filter with Pressure Regulation

Minimum Inlet Pressure for 40 psi (2.8 bar)

Flow Rate		Inlet Pressure Required	
gpm	l/min	psi	bar
0.3	1.1	40	2.8
1	3.8	40	2.8
3	11.4	41	2.8
5	18.9	43	3.0
10	37.8	47	3.2
16	60.6	56	3.9
20	76.7	70	4.8

FLOW-100

1" Flow-Indicating Basket Filter

Pressure Loss Characteristics

Flow Rate		Pressure Drop	
gpm	l/min	psi	bar
0.3	1.1	0.1	0.01
1	3.8	0.2	0.01
3	11.4	0.6	0.04
5	18.9	1.0	0.07
10	37.8	1.5	0.10
15	56.8	2.2	0.15
20	76.7	4.0	0.28

Healthy System



Leak in System



Dirty Filter



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