

3/4" & 1" Plastic Filters with Screen Elements

Features

- All-purpose filter with a wide range of polyester and stainless-steel screens from 80 to 200 mesh to suit a wide range of filtration requirements
- Screens have excellent resistance to most common chemicals
- Color-coded replacement screens for easy identification
- Large filter area and low friction loss allow long intervals between cleaning
- Available with a flush cap or flush valve for easy flushing of particles trapped in the bottom of the filter
- Recommended to be installed and used after the control valve
- Easy maintenance – the screen can be extracted from the filter for easy cleaning
- Interchangeable screen and disc elements
- Constructed of UV-resistant, durable plastic material to withstand the most adverse conditions

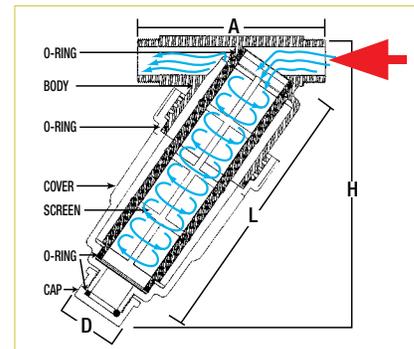
Specifications

- Operating pressure: up to 120 PSI (8.3 BAR)
- Flow rates: up to 18 GPM (4 m³/h)
- Inlet and outlet size: 3/4" FHT x MHT and 3/4" or 1" MNPT
- Temperature range: up to 130°F (54°C)
- Stainless steel and polyester screens from 80 to 200 mesh



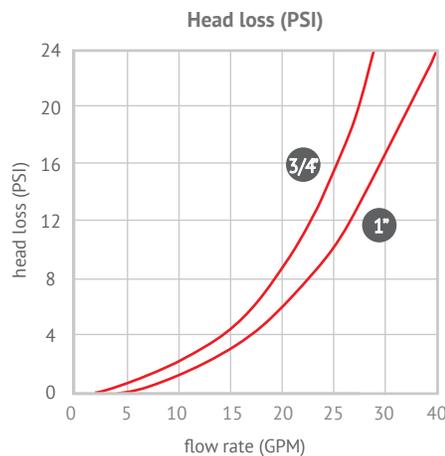
Materials

- Housing: polypropylene
- O-ring: EPDM
- Pressure testing port: polypropylene
- Pressure testing seals: natural rubber BR



Surface area & flow rate

Size	Filtration surface area		Maximum recommended flow rates		
	in	mm	sq. in	cm ²	GPM
3/4"	20	14.9	96	13	3
1"	25	14.9	96	18	5



Dimension and weight

Size	A		B		C		D		WT
	in	mm	in	mm	in	mm	in	mm	lbs
3/4" with cap	4.71	120	1.5	38	6	152	7	177	.457
1" with cap	4.74	120	1.5	38	6	152	7	177	.457
3/4" w/flush valve	4.71	120	1.5	38	6	152	8	203	.489
1" w/flush valve	4.74	120	1.5	38	6	152	8	203	.489

How to specify

Model	Description
PO9-XXX	3/4" FHT x MHT w/poly screen & flush cap
P10-XXX	3/4" MNPT w/poly screen & flush cap
P11-XXX	3/4" MNPT w/SS screen & flush cap
P12-XXX	3/4" MNPT w/poly screen & flush valve
P13-XXX	3/4" MNPT w/SS screen & flush valve
P14-XXX	3/4" FHT x MHT w/SS screen & flush cap
P15-XXX	3/4" FHT x MHT w/SS screen & flush valve
P16-XXX	1" MNPT w/poly screen & flush cap
P17-XXX	1" MNPT w/SS screen & flush cap
P19-XXX	1" MNPT w/SS screen & flush valve

XXX = Filter mesh

example: P10-XXX ↓↓↓ P10-155	040-40 mesh
	080-80 mesh
	120-120 mesh
	155-155 mesh
	200-200 mesh

1 1/2" & 2" Plastic Filters with Stainless-Steel Screens

Features

- Large filter area and low friction loss allow long intervals between cleaning
- All-purpose filter with a wide range of stainless-steel screens from 80 to 180 microns to suit a wide range of filtration requirements
- Designed to reduce operating costs and deliver high-quality filtrate in a minimum space
- Screens have excellent resistance to most common chemicals
- Easy maintenance – the screen can be extracted from the filter for cleaning
- Interchangeable screen and disc elements
- Access point on the inlet and outlet side for pressure measurement test
- Constructed of UV-resistant, durable plastic material to withstand the most adverse conditions

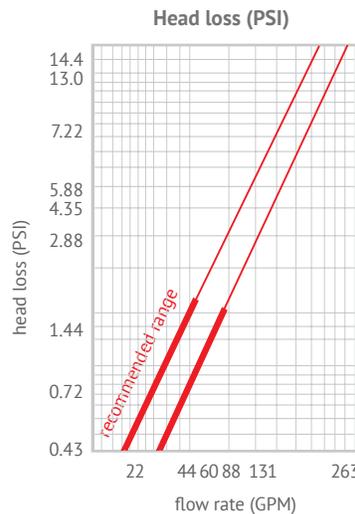
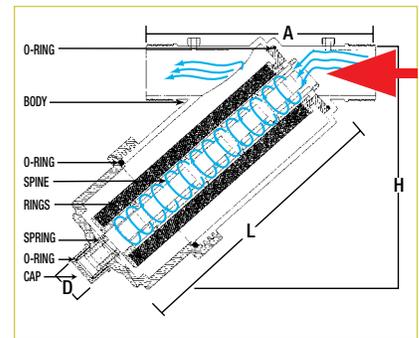
Specifications

- Operating pressure: up to 120 PSI (8.3 BAR)
- Flow rates: up to 80 GPM (18.1 m³/h)
- Temperature range: up to 130°F (54°C)
- Inlet and outlet size: 1 1/2" and 2" MNPT
- Stainless-steel screens from 80 to 200 mesh



Filter Materials

- Housing: polypropylene
- O-ring: EPDM
- Pressure testing port: polypropylene
- Pressure testing seals: natural rubber BR



Surface area & flow rate

Size	Filtration surface area		Maximum recommended flow rates			
	in	mm	sq. in	cm ²	GPM	m ³ /h
1 1/2"	38	85.6	552		60	15
2"	50	103.8	670		80	20

Dimensions & weight

Size	A		B		C		D		WT
	in	mm	in	mm	in	mm	in	mm	lbs
1 1/2"	10.1	257	3.1	80	8.6	220	9.4	240	2.3
2"	10.1	257	3.1	80	10.4	265	10.6	270	2.6

How to specify

Model	Description
P75-XXXX	1 1/2" MNPT with SS screen & flush cap
P80-XXXX	2" MNPT with SS screen & flush cap
XXX = Screen filter mesh	
example:	080-80 mesh
P10-XXXX	120-120 mesh
↓↓↓	155-155 mesh
P80-200L	200-200 mesh

Filter cover tool	
17-034	to open and remove the 1 1/2" and 2" cover