

FILTERS

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

FILTER FEATURES

- All-purpose filter with a wide range of polyester and stainless steel screens from 80 to 400 micron 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 allows long intervals between cleaning
- Available with flush cap or flush valve for easy flushing for particles trapped in the bottom of 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

- Flow rates: up to 18 GPM (4 m³/h)
- Operating pressure: up to 120 PSI (8.4 BAR)
- Temperature range: up to 130°F (54°C)
- Stainless steel and polyester screens from 80 to 200 mesh
- Inlet and outlet size: 3/4" FHT x MHT and 3/4" or 1" MNPT

FILTER MATERIALS

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



ORDERING INFORMATION

Example: XX = SCREEN ELEMENT
P10-XXX FILTER MESH
P10-155

MODEL DESCRIPTION

P09-XXX	3/4" FHT x MHT with polyester screen & flush cap
P10-XXX	3/4" MNPT with polyester screen & flush cap
P11-XXX	3/4" MNPT with SS screen & flush cap
P12-XXX	3/4" MNPT with polyester screen & flush valve
P13-XXX	3/4" MNPT with SS screen & flush valve
P14-XXX	3/4" FHT x MHT with SS screen & flush cap
P15-XXX	3/4" FHT x MHT with SS screen & flush valve
P16-XXX	1" MNPT with polyester screen & flush cap
P17-XXX	1" MNPT with SS screen & flush cap
P19-XXX	1" MNPT with SS screen & flush valve

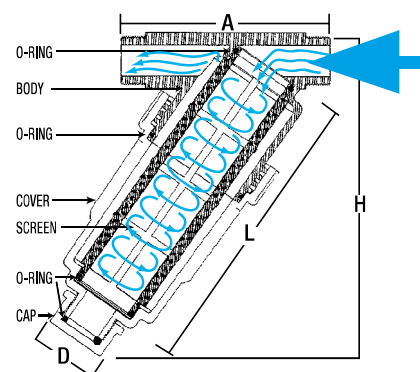


SURFACE AREA AND FLOW RATE

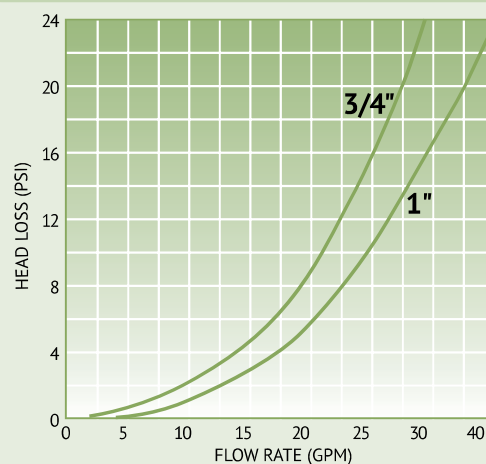
Size	inch	mm	Filtration Surface Area		Max Recommended Flow Rates	
			sq. inch	cm ²	GPM	m ³ /h
3/4"		20	28.5	183	13	3.4
1"		25	28.5	183	18	4.0

DIMENSION AND WEIGHT

SIZE	A		D		L		H		Wt
	in	mm	in	mm	in	mm	in	mm	
3/4" w/cap	4.71	120	1.5	38	6	152	7	177	.457
1" w/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



HEAD LOSS IN PSI



FILTERS

3/4" and 1" Polyester and Stainless Steel Filter Screen Elements

SCREEN ELEMENT FEATURES

- The screen can retain large amounts of sediment that accumulate on the inside surface of the screen
- The screen can be removed for easy maintenance

CHEMICAL RESISTANCE

- Excellent resistance to most mineral acids
- Limited resistance to alkali depending on concentration and temperature
- Excellent resistance to low concentration of lye

SCREEN MATERIALS

- Cylinder: polyester
- Screen: polyester or stainless steel
- O-ring: EPDM

FILTRATION DEGREE AND MATERIAL			
MESH	MICRON	MATERIAL	COLOR
80	180	stainless steel	blue
120	130	stainless steel	brown
155	100	stainless steel	green
200	80	stainless steel	burgundy
40	400	polyester	navy blue
80	180	polyester	blue
120	130	polyester	brown
155	100	polyester	green
200	80	polyester	burgundy



MODEL	DESCRIPTION	COLOR
17-401	40 mesh polyester screen	navy blue
17-402	80 mesh polyester screen	blue
17-403	120 mesh polyester screen	brown
17-404	155 mesh polyester screen	green
17-405	200 mesh polyester screen	burgundy
17-412	80 mesh stainless steel screen	blue
17-413	120 mesh stainless steel screen	brown
17-414	155 mesh stainless steel screen	green
17-415	200 mesh stainless steel screen	burgundy



1 1/2" and 2" Plastic Filters with Stainless Steel Screens

FEATURES

- Large filter area and low friction loss allows long intervals between cleaning
- All-purpose filter with a wide range of stainless steel screens from 80 to 180 micron 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 with 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

- Flow rates: up to 80 GPM (18.1 m3/h)
- Operating pressure: up to 120 PSI (8.4 BAR)
- Temperature range: up to 130°F (54°C)
- Stainless steel screens from 80 to 200 mesh
- Inlet and outlet size: 1 1/2" and 2" MNPT

FILTER MATERIALS

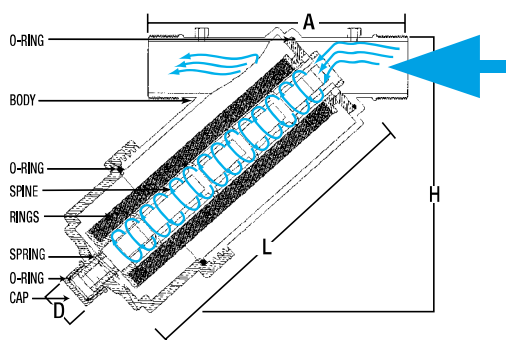
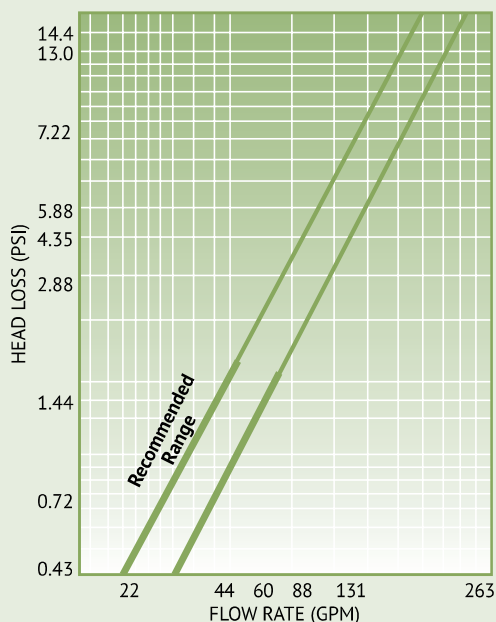
- Housing: polypropylene
- O-ring: EPDM
- Pressure testing port: polypropylene
- Pressure testing seals: natural rubber BR

SURFACE AREA AND FLOW RATE					
	Size	Filtration Surface Area		Max Recommended Flow Rates	
Size	mm	sq. in	cm2	GPM	m3/h
1 1/2" long	38	85	552	50	11.3
2"	50	103	670	80	18.1

DIMENSION AND WEIGHT									
	A		D		L		H	Wt	
Size	in	mm	in	mm	in	mm	in	mm	lb
1 1/2" long	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

FILTERS

HEAD LOSS IN PSI



MODEL DESCRIPTION

P75-XXXL	1 1/2" MNPT long with SS screen and flush cap
P80-XXXL	2" MNPT with SS screen and flush cap

1 1/2" and 2" Plastic and Stainless Steel Filter Screen Elements

SCREEN ELEMENT FEATURES

- The screen can retain large amounts of sediment that accumulate on the inside surface of the screen
- The screen can be easily removed for maintenance
- Color-coded replacement screens for easy identification

CHEMICAL RESISTANCE

- Excellent resistance to most mineral acids
- Limited resistance to alkali depending on concentration and temperature
- Excellent resistance to low concentration of lye

SCREEN MATERIALS

- Cylinder: polyester
- Screen: stainless steel
- O-ring: EPDM

FILTRATION DEGREE AND MATERIAL

MESH	MICRON	MATERIAL	COLOR
80	180	stainless steel	blue
120	130	stainless steel	brown
155	100	stainless steel	green
200	80	stainless steel	burgundy



MODEL DESCRIPTION

MODEL	DESCRIPTION	COLOR
17-080L	80 mesh stainless steel, 1 1/2" long	blue
17-120L	120 mesh stainless steel, 1 1/2" long	brown
17-155L	155 mesh stainless steel, 1 1/2" long	green
17-200L	200 mesh stainless steel, 1 1/2" long	burgundy
17-085	80 mesh stainless steel, 2"	blue
17-125	120 mesh stainless steel, 2"	brown
17-160	155 mesh stainless steel, 2"	green
17-205	200 mesh stainless steel, 2"	burgundy

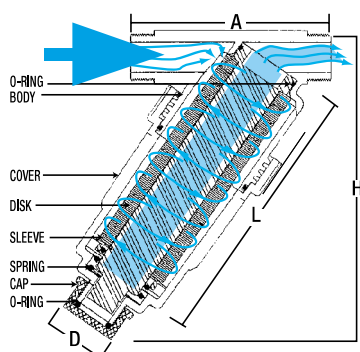
3/4" and 1" Plastic Filters with Disc Elements

FEATURES

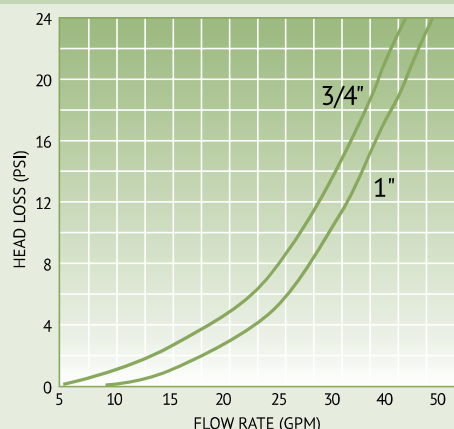
- The disc filter consist of body, cover and grooved discs cylinders, stacked on a plastic spine, forming a cylindrical filter element. The disks are compressed together inside the filter housing by a spring located at the bottom of the filter cover to form a dimensional filtration degree
- Sediments accumulate on the outer face of the stacked discs, allowing clean water to flow through the stacked discs and out the middle of the filter
- The disc elements provide in-depth filtration to retain organic matter
- During operation the discs elements are tightly compressed together by pressure and the spring providing high filtration efficiency
- Discs have excellent resistance to most common chemicals
- Easy maintenance, the discs can be extracted for cleaning
- Interchangeable disc and stainless steel screen elements provide a wide range of filtration degrees and options
- Constructed of UV-resistant, durable plastic material to withstand the most adverse conditions

SPECIFICATIONS

- Flow rates: 3/4" & 1": up to 18 GPM (4 m3/h)
- Operating pressure: up to 120 PSI (8.4 BAR)
- Temperature range: up to 130°F (54°C)
- Inlet and outlet size: 3/4" and 1" MNPT



HEAD LOSS IN PSI



3/4" AND 1" DISC FILTERS FILTRATION DEGREE AND MATERIAL					
MESH	MICRON	MATERIAL		COLOR	
80	180	polypropylene		blue	
120	130	polypropylene		red	
150	100	polypropylene		black	
SURFACE AREA AND FLOW RATE					
	Size	Filtration Surface Area		Max Recommended Flow Rates	
Size	MM	SQ IN	CM2	GPM	M3/H
3/4"	20	28	180	13	3.4
1"	25	28	180	18	4.0
DIMENSION AND WEIGHT					
	A	D	L	H	WT
Size	IN	MM	IN	MM	LB
3/4"	4.71	120	1.5	38	6 152 7 177 .644
1"	4.74	120	1.5	38	6 152 7 177 .638

FILTER MATERIALS

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

DISC FEATURES

- Three color-coded discs with 100 to 180 micron
- The disc can be extracted for easy cleaning
- The discs elements capture and retain large amounts of sediment over long period of operating time with low maintenance and cleaning

DISC MATERIALS

- Grooved discs: polypropylene
- Disc cylinder Assembly: polypropylene / PBT
- Tightening spring: stainless steel 304



MODEL	DESCRIPTION	COLOR
P30-XXXX	3/4" MNPT with disc elements and flush cap	
P31-XXXX	1" MNPT with disc elements and flush cap	
17-432	80 mesh disc set	yellow
17-433	120 mesh disc set	red
17-434	150 mesh disc set	black