

High Performance
Disc and Screen
Filters for
Irrigation and
Industrial Applications



P60 thru P80 Series All Purpose Screen Filters

Application

- All purpose plastic filter

Features:

- Available with flushing plastic ball valve
- Available 3/4", 1", 1-1/2" and 2"
- Low friction loss
- Wide range of polyester and stainless steel screen in 40 to 200 mesh
- Screens have excellent resistance to most common chemicals
- Color coded replacement screens
- Available with or without manual shut off valve
- Easy Maintenance; the screen can be extracted from the filter for easy cleaning
- Non corrosive materials
- Molded plastic construction with stainless steel screen



Performance and Technical Data:

- Operating pressure: up to 120 psi (8.2 bar)
- Maximum working temperature: 140 degree F (60 degrees C)

Materials:

- Housing - Polypropylene
- Cylinder and screen- Polyester or stainless steel
- "O" ring material- nitril rubber



PERFORMANCE

Model	Inlet & Outlet Diameters		Filtration Surface Area				Max Recommended Flow Rates	
	Inch	mm	sq. inch	cm ²	gpm	m ³ h		
P6x-xxx	3/4	20	11	71	10	2.2		
P6x-xxx	1	25	11	71	15	3.4		
P75-xxx	1-1/2	37	66	427	60	13.6		
P80-xxx	2	50	103	666	80	18.1		

FLOW RATES GPM

Flow Rates	5	10	15	20	25	30	45	55	65	70	80	88
Head Loss 3/4"	0.8	2.7	6.5	11.2	17							
Head Loss 1"	0.5	2.0	4	7.4	12							
Head Loss 1-1/2"	-	-	-	-	-	0.8	1.8	2.4	3.5	4.5	5.6	6.5
Head Loss 2"	-	-	-	-	-	0.4	0.9	1.2	2.1	2.3	2.7	3.4

SCREEN MESH

Mesh	Micron	Material	Color
40	400	Polyester	Navy Blue
80	180	Polyester/stainless steel	Blue
120	130	Polyester/stainless steel	Brown
155	100	Polyester/stainless steel	Green
200	80	Polyester	Burgundy

ORDERING GUIDE

Filter model Pxx.xxx (xx filter model, xxx screen mesh)

High Performance Disc Filters

Series 1700 and 2630

High performance, superior filtration, designed, engineered and manufactured to achieve the highest standards of quality and efficiency of operation. Series 1700 and 2630 disc filters have several features for greater filtration capacity and effective protection of the entire irrigation system.

Applications:

- Irrigation
- Municipal water supply

Features:

- Grooved plastic discs stacked together to form the filtering elements
- Large filtration area with a grooved disc structure design
- The sediments accumulate on the outer face of the stacked discs and clean water flows through the stacked discs out of the filter
- Disc elements provide in depth filtration to retain organic matter
- Hydraulic pressure during the filtering process causes fastening of the disc and allows for efficient filtering
- Closing of the tightening nut without pressure leaves enough space between the disc to allow for a good cleaning when an automatic backflush is performed
- Discs have excellent resistance to most common chemicals
- Interchangeable disc elements for a wide range of filtration degrees
- Suitable for all irrigation uses and industrial applications

- Large filtration area allows long intervals between cleanings
- Easy maintenance; the discs can be extracted for easy cleaning

1700 Performance and Technical Data:

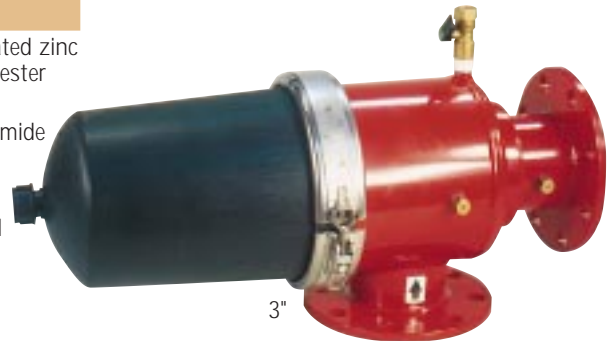
- Operating pressure: up to 150 psi (10.5 bar)
- Maximum recommended working pressure: 120 psi (8.2 bar)
- Horizontal inlet and vertical outlet: 2" threaded, 3" and 4" flanged
- Maximum working temperature: 140 degree F (60 degrees C)
- Available with a manual drain valve located at the bottom of the filter and with two pressure testing ports
- Bodies have a 100 micron extra durable polyester coating applied electrostatically and are oven-cured on a zinc phosphate layer for maximum anti-corrosion

Materials:

- Body: Corrosion resistant pre-treated zinc phosphate with electrostatic polyester sprayed on carbon steel
- Cover: glass fiber reinforced polyamide
- Seals: natural rubber BR
- Grooves discs: polypropylene
- Disc cylinder assembly: polyacetal
- Tightening bracket: stainless steel 304
- Drain valve : brass
- Pressure testing ports: brass
- Pressure testing seals: natural rubber BR



2"



3"



4"

PERFORMANCE

Model	Inlet & Outlet Diameters		Filtration Surface Area		Max Recommended Flow Rates	
	Inch	mm	sq. inch	cm ²	gpm	m ³ h
1720	2	50	249.5	1610	110	25
1730	3	80	249.5	1610	220	50
1740	4	100	325.5	2100	350	80
2630	3	80	341	2200	220	50

FLOW (GPM) VERSUS HEAD LOSS (PSI)

Flow Rates	50	75	100	150	175	200	225	250	275	300	325	350	400
1720	0.15	0.35	0.6	1.3	2.0	2.4	3.3	3.7	4.9	5.3	6.5	7.2	9.4
1730	0.07	0.15	0.3	0.6	0.9	1.1	1.5	1.7	2.2	2.5	3.0	3.4	4.4
1740	-	0.7	0.1	0.3	0.4	0.5	0.3	0.6	0.9	1.1	1.3	1.5	2.0
2630	0.1	0.3	0.5	1.2	1.6	2.1	2.6	3.2	3.9	4.6	5.5	6.0	8.0

Head loss is for filters with a 120 mesh disc element

FILTRATION DEGREES, DISC ELEMENT

Mesh	Micron	Color
60	225	Brown
80	180	Yellow
120	130	Red
150	100	*Lower flow rates

ORDERING GUIDE

Filter model 17xx.xxx or 2630.xxx (xxx disc mesh)

High Performance Disc Filters Series 1700 and 2630

2630 Performance and Technical Data:

- Filter body and cover: glass fiber reinforced plastic
- Operating pressure: up to 150 psi (10.5 bar)
- Maximum recommended working pressure: 120 psi (8.2 bar)
- Horizontal inlet and outlet at 180 degrees, flange or victaulic
- Maximum working temperature: 140 degrees F (60 degrees C)
- Option for manual drain valve located at the bottom of the filter and with two pressure testing ports



3" double

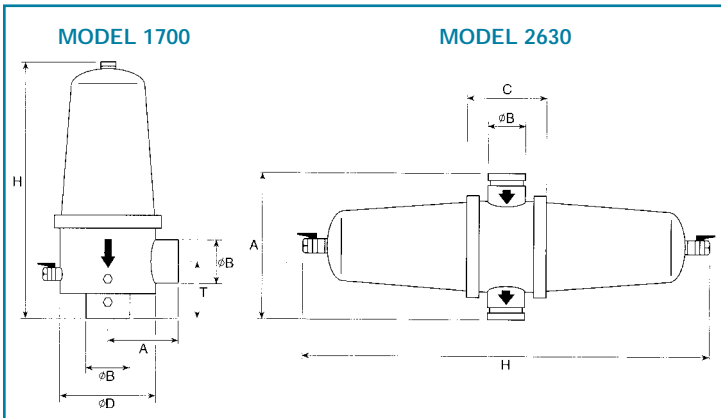
DIMENSIONS AND WEIGHT IN INCH AND MM

Model	B		H		D		A		T		Weight	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	lbs	Kg
1720	2	50	20-1/2	520	8	200	6	150	4-1/2	115	27.5	12.5
1730	3	80	22	560	8	200	6	150	5-3/4	145	29.7	13.5
1740	4	100	25-1/4	640	8	200	6-1/4	160	8	200	38.5	17.5

Model	A		B		C		H		Weight	
	inch	mm	inch	mm	inch	mm	inch	mm	lbs	Kg
2630	12	305	3	80	6	150	31-1/4	790	26.4	12

HEAD LOSS IN PSI

1720 1730 1740 2630



NOTE: Pressure losses shown are for filter with 120 mesh screen elements.

TRIM 1/8" INSIDE THIS LINE FOR SHORT FOLD

Series 2000 High Flow Screen Filters

Engineered to meet ISO 9000 standards, Series 2000 screen filters are constructed of the highest quality materials, for maximum anti-corrosion and a seven stage safeguard protection coating against common agriculture chemicals. The screen filters are factory tested to the highest quality control standards, and are designed with automatic flush valve and a special filter screen for easy periodic maintenance, service and cleaning.

Performance and Technical Data:

- Maximum recommended working pressure: 120 psi (8.2 bar)
- Maximum working temperature: 140 degree F (60 degree C)
- Available sizes: 6" and 8" with flange
- Horizontal inlet and outlet at 180 degrees



Applications:

- Irrigation
- Municipal water supply
- Secondary filtration after gravel or sand filter

Features:

- The filtration unit consists of a stainless steel screen and a protective plastic screen welded on to the external surface of a PVC cylinder. This design protects the screen from damage due to large particles.
- Easy maintenance and cleaning
- Ideal for filtration of well water
- Available with an automatic flush valve located on the side of the filter and with two pressure testing ports
- Series 2000 filter bodies and covers have a 100 micron extra durable polyester coating applied electrostatically and are oven-cured on a zinc phosphate layer for maximum anti corrosion protection

PERFORMANCE

Model	Inlet & Outlet Diameters		Filtration Surface Area		Max Recommended Flow Rates	
	Inch	mm	sq. inch	cm ²	gpm	m ³ h
2060	6	150	607	3920	800	180
2080	8	200	821	5300	1320	300

FLOW (GPM) VERSUS HEAD LOSS (PSI)

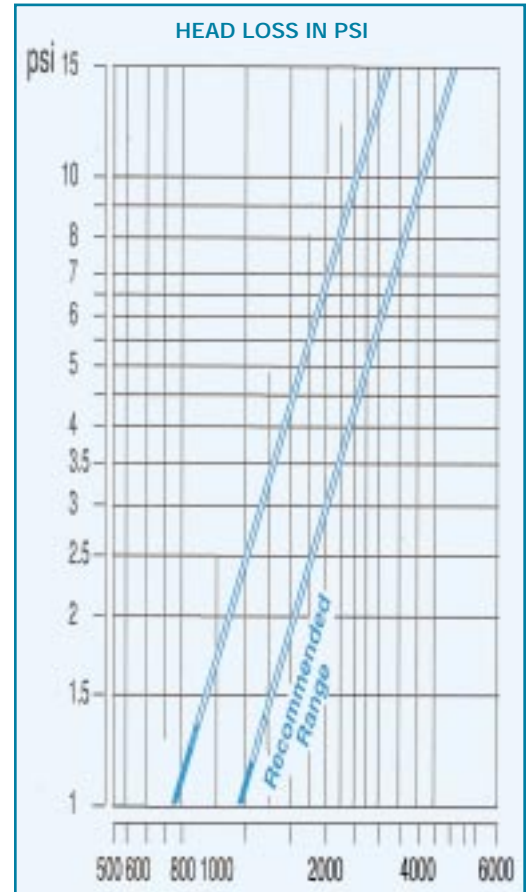
Flow Rates	500	550	600	700	800	900	1000	1200	1400
2060 – 6"	0.5	0.6	0.7	1.0	1.2	1.6	1.9	2.8	3.8
2080 – 8"	-	-	0.24	0.33	0.43	0.54	0.67	0.97	1.3

FILTRATION DEGREES, STAINLESS STEEL SCREEN ELEMENTS

Mesh	Micron	Material
60	225	Stainless steel
80	180	Stainless steel
120	130	Stainless steel
160	94	Stainless steel

ORDERING GUIDE

Filter model 2060.xxx (xxx screen mesh)



NOTE: Pressure losses shown are for filter with 120 mesh screen elements.

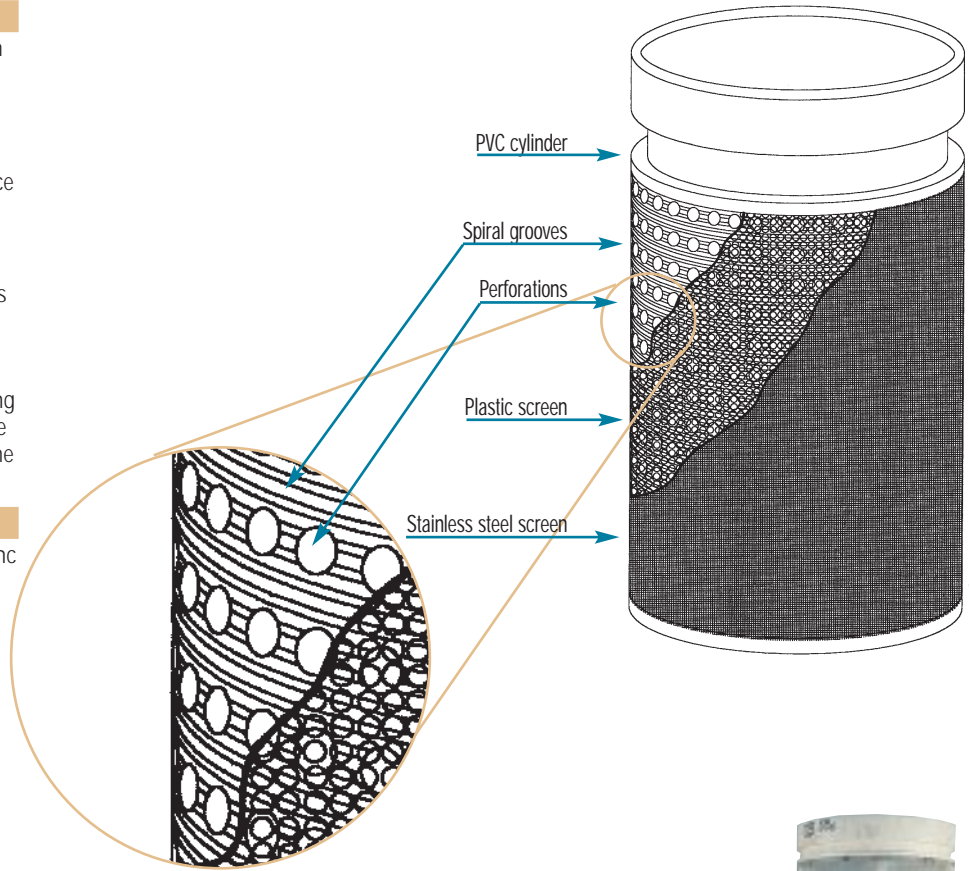
Series 2000 High Flow Screen Filters

Screen Features:

- The screen cylinder is made of PVC with equally spaced spiral grooves on the external surface overlapping equally spaced perforations. The grooves are unique in achieving an actual filtration area the same size as the external surface of the PVC cylinder, enlarging the filtration area 3 to 4 times
- An intermediate plastic screen guard provides physical protection and ensures long durability to the stainless steel screen by preventing the water pressure from "bending" the screen into the perforations of the cylinder. By separating the screen from the PVC cylinder surface it achieves additional improvement in the filtration area

Materials

- Body: Corrosion resistant pre-treated zinc phosphate with electrostatic polyester sprayed on carbon steel
- Screen cylinder: PVC
- Protective screen: PVC
- Screen: stainless steel 316
- Seals: neoprene
- Pressure test port: Brass
- Pressure test port seals: natural rubber BR
- Bolts & nuts: Galvanized steel



DIMENSIONS AND WEIGHT IN INCH AND MM

Model	A		B		D		H		Weight	
	inch	mm	inch	mm	inch	mm	inch	mm	lbs	Kg
2060	35	890	6	150	12	300	27	680	159	72
2080	43	1100	8	200	12	300	31	780	200	91

