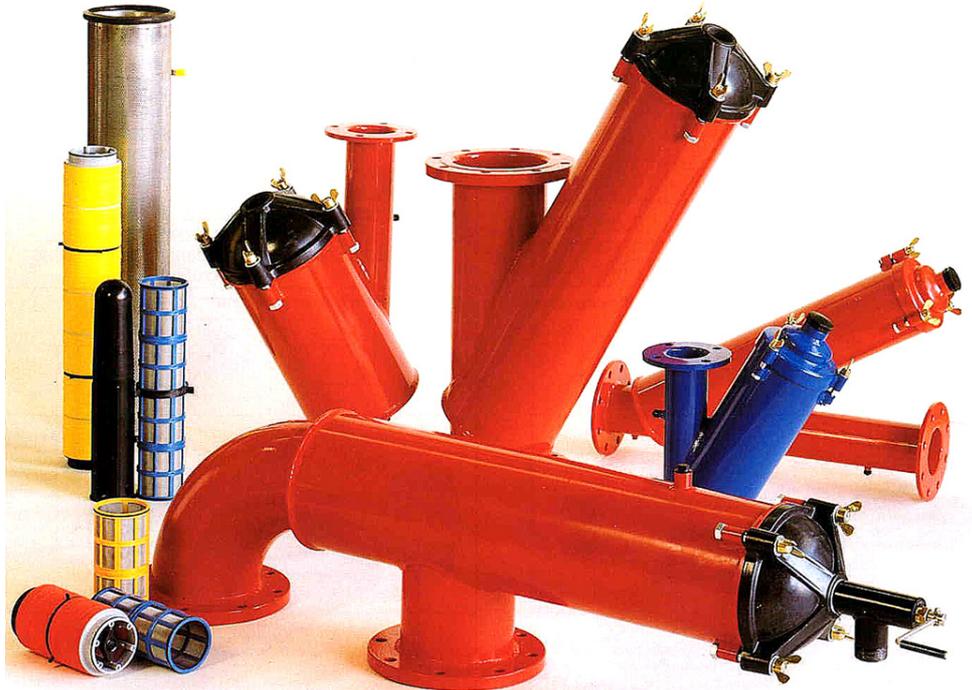




All-purpose steel filters from 2" to 14", for flow rates up to 1000 m³/h.



- Interchangeable filter element types and a wide range of filtration degrees, from 3500 to 50 micron.
- Corrosion resistant, high quality coating, as well as stainless steel housings.
- Available with exclusive features for semi-automatic cleaning.



AMIAD STEEL FILTERS

- Amiad steel filters are available with different filter elements to suit different filtering requirements and filtration degrees. See table below.
- These all purpose filters are made of carbon steel with high quality polyester coating. Housings are also available in stainless steel.
- The filter elements can easily be extracted from the filter housing for rinsing. No tools are required for maintenance.
- Amiad steel filters may also be upgraded to semi-automatic functioning by adding one of the innovative features of the Turboclean, Scanaway or Brushaway assemblies. For detailed information check the specific brochures on semi-automatic filters.
- An exclusive "Traffic Light" (clogging indicator) can be fitted on the pressure check points to let you know visually the condition of the filter element.

Filter elements

A wide range of filter elements and filtration degrees are available for Amiad's steel filters.

Screen elements

The screen elements are constructed of molded plastic ribs that support a stainless steel weave wire screen (1) with filtration degrees from 50 to 500 micron.

For coarse filtration (straining) between 800 and 3500 micron, Amiad offers perforated stainless steel screens (2).

Suspended solids accumulate on the inside surface of the screen. The screen can be easily removed from the housing to be rinsed manually.

The direction of flow in these elements is from the inside out along the element, so that inorganic suspended solids are accumulated mainly at the lower end of the element and can be removed by means of a flush valve. The screen elements are especially suitable for the separating of inorganic particles and create a very low head loss.

The different filtration degrees are color-coded. The cylinder incorporates two O-rings to ensure perfect sealing inside the filter housing.

Disc elements

These elements are constructed from plastic discs that are stacked onto a telescopic core (3). The discs are grooved on both sides. These grooves intersect to form the filtration element when compressed on the core. The disc element provides especially effective retention of organic matter.

The effective filtration area is comprised of both the outside surface and the channels formed by the intersected grooves. Suspended organic particulate adheres to the grooved surface. Cleaning the disc element is made simple by the unique design of the telescopic core, which allows the discs to separate during the cleaning process. Two O-rings allow perfect sealing inside the filter housing.



Brushaway



Scanaway

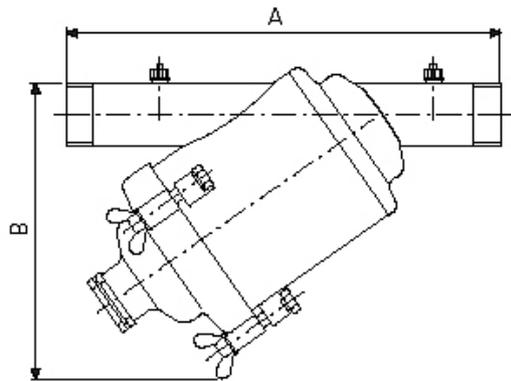


Filtration degree available

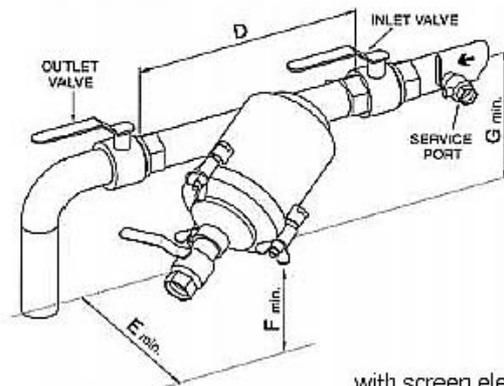
Color	Orange	Black	Yellow	Red	Purple	White	Brown	Blue	Green	Gray			
Micron	50	80	100	130	180	200	250	300	500	800	1500	2500	3500
Mesh	300	200	155	120	80	75	60	50	30	20	10	6	4
2", 3", 4"	◀▶	◀▶	◀▶▶	◀▶▶	▶	◀▶	▶	◀▶	◀▶	▶▶	▶▶	▶▶	▶▶
4"S-14"	◀▶	◀▶	◀▶	◀▶		◀▶		◀▶	◀▶	▶▶	▶▶	▶▶	▶▶
◀▶ Weave Wire Screen	▶▶▶ Disc Element				▶▶▶ Perforated screen								

2" 4" STEEL FILTERS FOR FLOW RATES UP TO 80 m³/h

2" In-Line

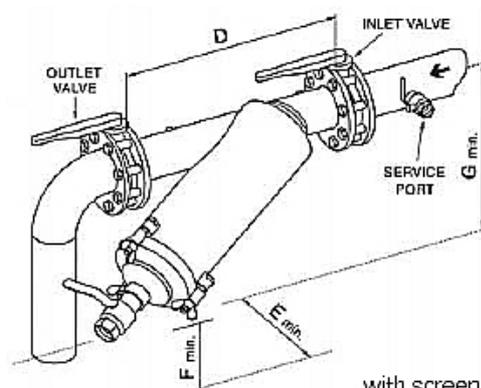
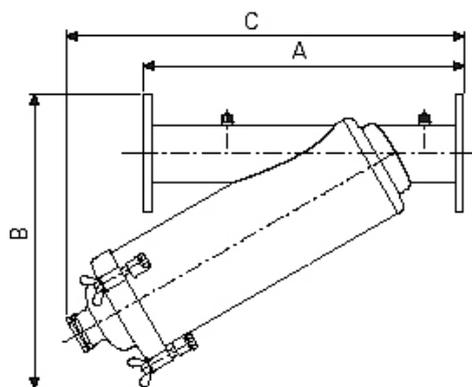


Suggested installations*



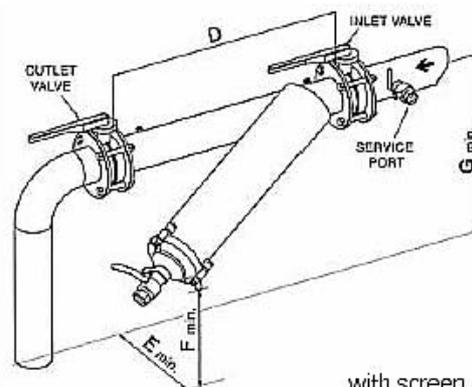
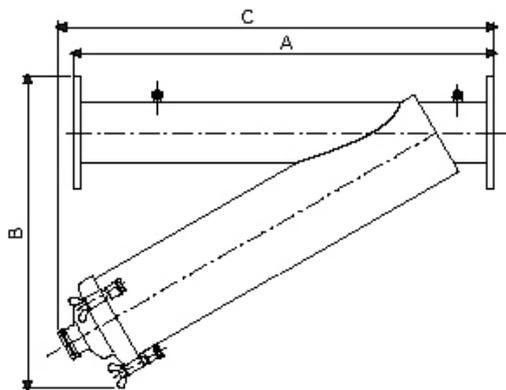
with screen element

3" In-Line



with screen element

4" - C In-Line



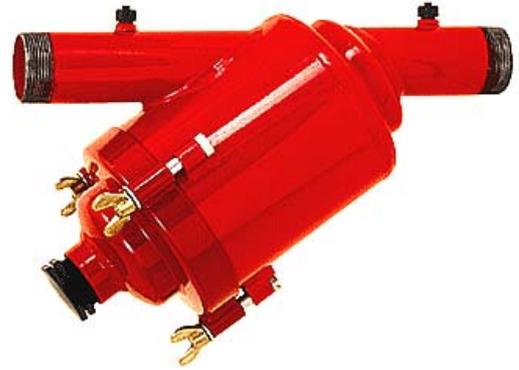
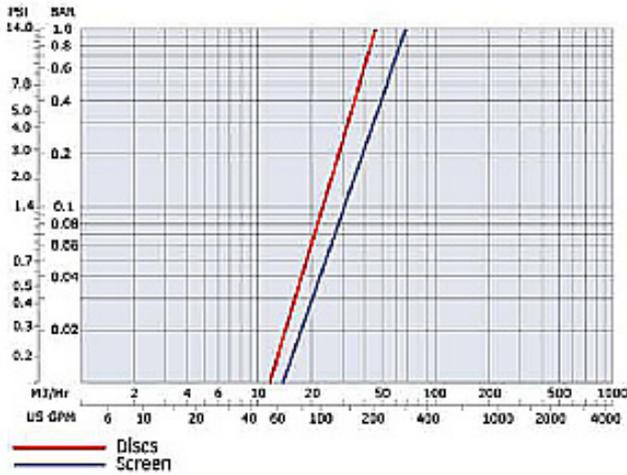
with screen element

Dimensions and weight

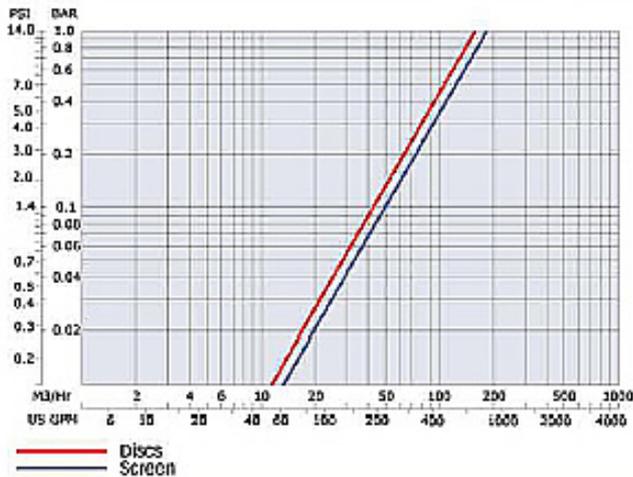
Filter type	Filter size	Inlet/Outlet connections	Weight [kg]		Dimensions [mm]						
			Screen	Discs	A	B	C	D	E	F	G
2" In-Line	50mm	Threads	7.3	8.1	420	290	-	420	200	70	250
2" In-Line	50mm	Flanges	10.5	11.3	460	343	-	420	200	70	250
3" In-Line	80mm	Threads	13.6	15.2	545	410	620	495	260	135	400
3" In-Line	80mm	Flanges	16.6	18.2	495	457	605	495	260	135	400
4"-C In-Line	100mm	Flanges	27.5	30	800	600	830	800	350	230	580

Pressure loss graphs

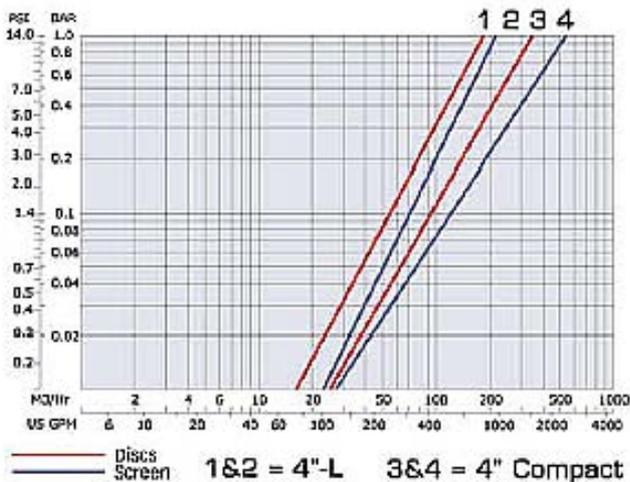
3" In-Line



3" In-Line



4"-C In-Line



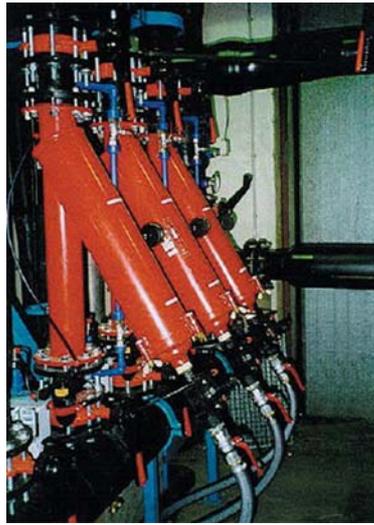
Technical specifications

Filter type	In-Out diameter [mm; inch]	Maximum flow rate [m ³ /h]	Filter area [cm ²]			Construction materials	
			Weave Wire	Perforated Screen	Disc Element		
2" In.Line	50 mm; 2"	25	465	700	790	Housing and Lid: Phosphate pre-treated steel 37-2 with polyester coating Seals: Nitril rubber Weave Wire screen: Polypropylene + Glass Fibers, St.St., Nitril rubber Disc element: Polyethylene, Nitril rubber Perforated screen: St.St. 316	
3" In-Line	80 mm; 3"	50	930	1430	1700		
4"-C	100 mm; 4"	80	1850	2175	2600		
Also available (See picture across)							
4"-L	100 mm; 4"	80	930	1430	1700		
Maximum working pressure: 10 bar			Maximum working temperature: 60°C				

SELECTED WORLDWIDE APPLICATIONS



Reservoir water for irrigation.
Zimbabwe



Re-circulated cooling water.
Plastic manufacturer, Austria



Cooling water filtration.
Food manufacturer, Israel

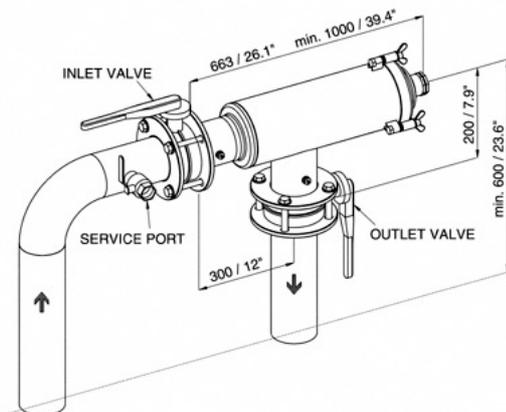


Row crop irrigation. Texas, USA



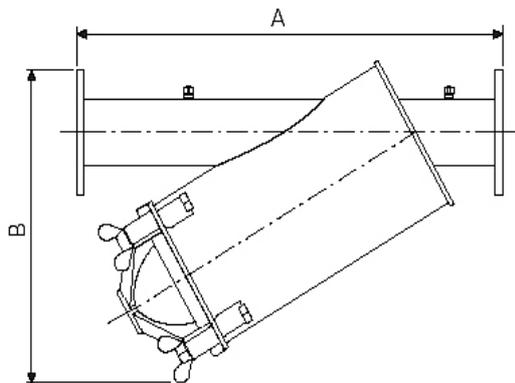
Pre-filtration, Zebra mussel control. Mud-Creek, USA

4"-L Filter

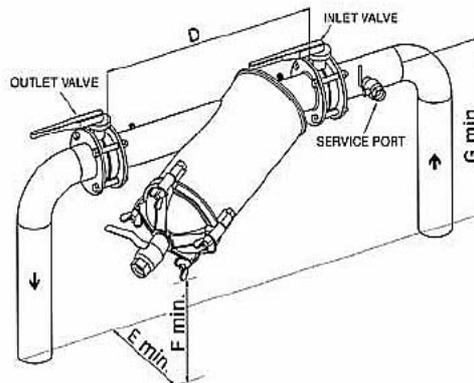


4"-S 8" STEEL FILTERS FOR FLOW RATES UP TO 300 m³/h

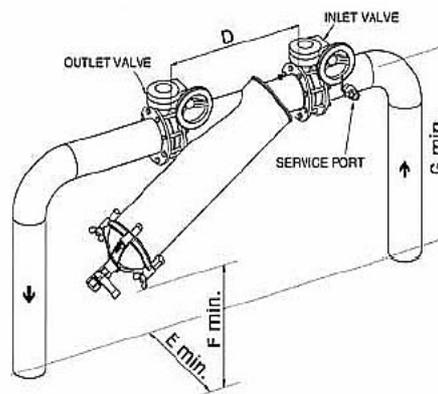
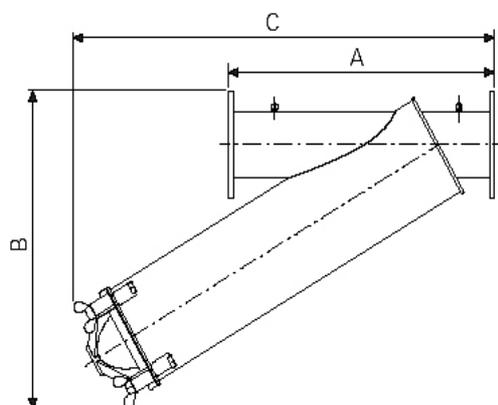
4"-Super In-Line/6" In-Line



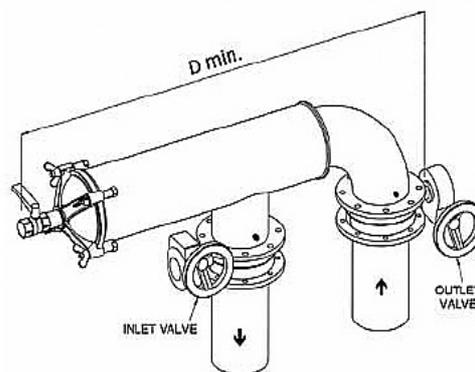
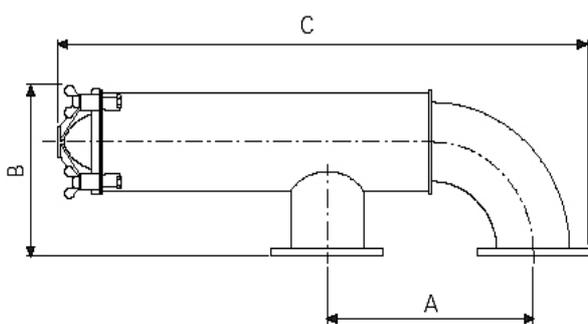
Suggested installations



6"-Super In-Line/8" In-Line



6"-Super Modular/8" Modular

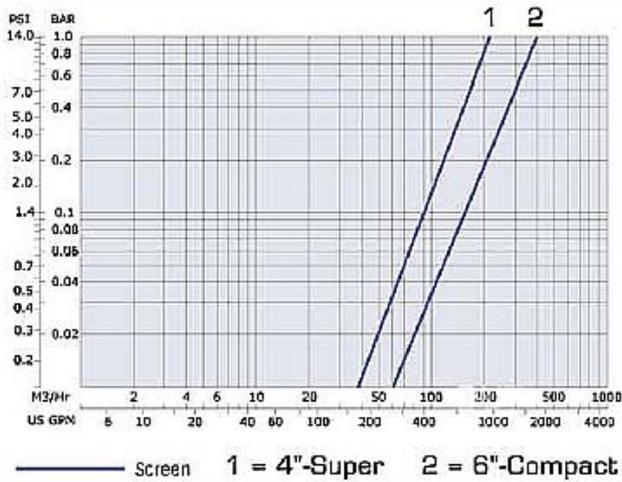


Dimensions and weight

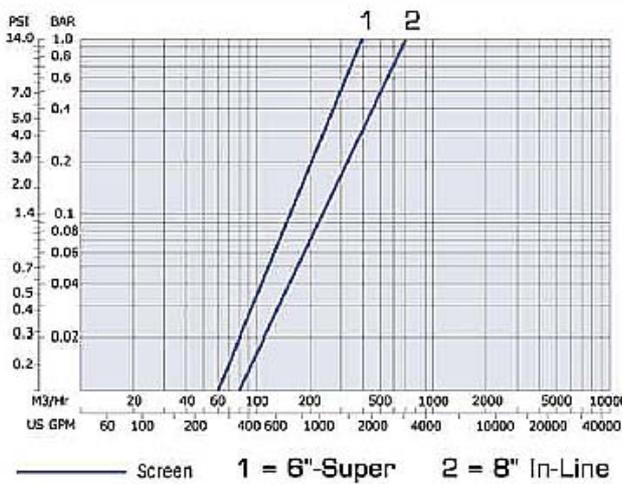
Filter type	Filter size	Weight [kg]	Dimensions [mm]						
			A	B	C	D	E	F	G
4"-S In-Line	100 mm	38	800	594	-	800	350	230	580
6" In-Line	150 mm	43	750	576	762	750	350	100	470
6"-S In-Line	150 mm	56	750	860	1130	750	550	250	1000
6"-S Modular	150 mm	60	620	410	1450	2400	-	-	-
8" In-Line	200 mm	65	750	880	1180	750	550	250	800
8" Modular	200 mm	76	620	475	1605	2500	-	-	-

Pressure loss graphs

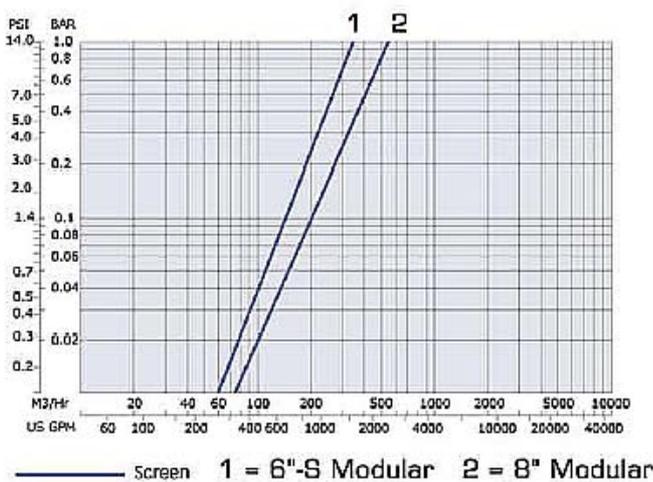
4"-Super In-Line/6" In-Line



6"-Super In-Line/8" In-Line



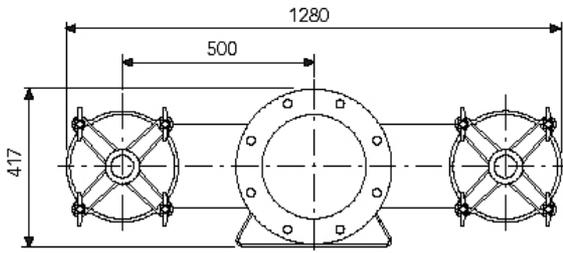
6"-Super Modular/8" Modular



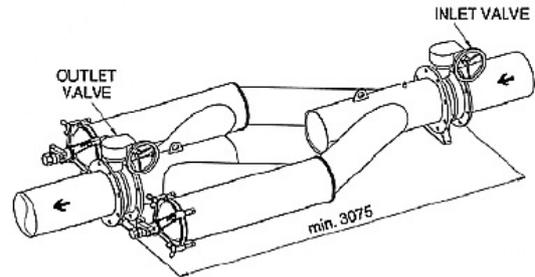
Filter type	In-Out diameter [mm; inch]	Maximum flow rate [m ³ /h]	Maximum Working pressure	Maximum Working temp.	Filter area [cm ²]	Construction materials
4"-S	100 mm; 4"	80	465	700	790	Housing : Phosphate pre-treated steel 37-2 with polyester coating Lid: SMC polyester Seals: Nitril rubber
6"	150 mm; 6"	160	930	1430	1700	Perforated Cylinder: St.St. 316 Seals: Nitril rubber
6"-S	150 mm; 6"	160	1850	2175	2600	Weavw Wire screen: St.St. 316 Seals: Nitril rubber
8"	200 mm; 8"	300	930	1430	1700	

10"- 14" STEEL FILTERS FOR FLOW RATES UP TO 1000 m³/h

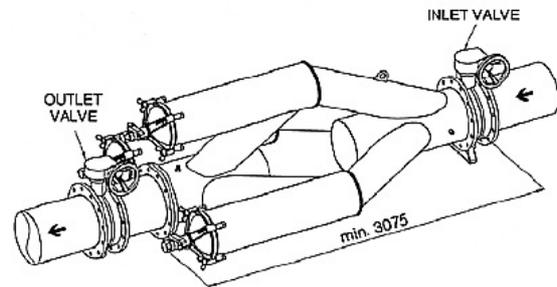
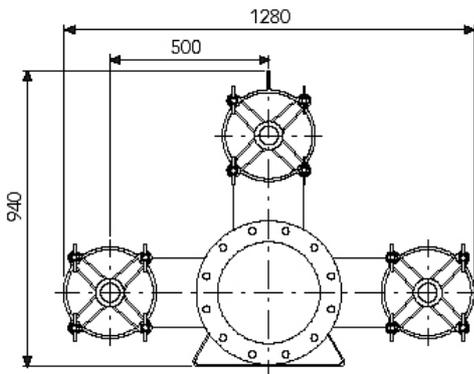
10" In-Line



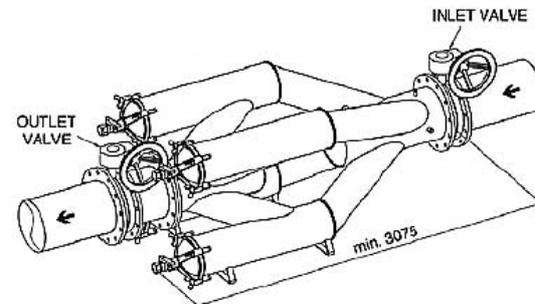
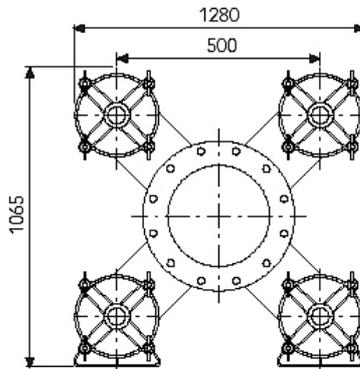
Suggested installations



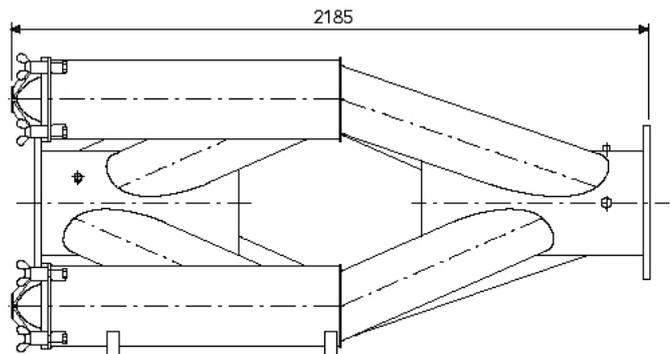
12" In-Line



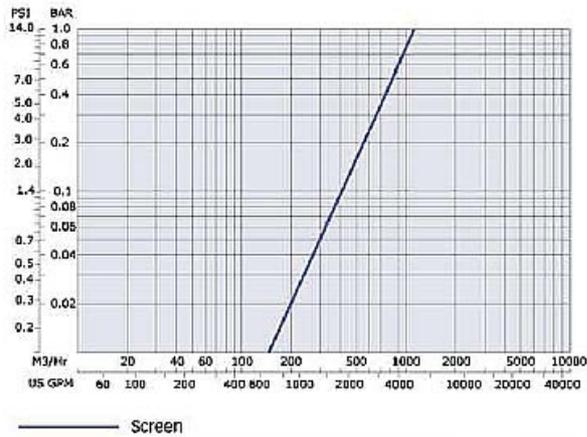
14" In-Line



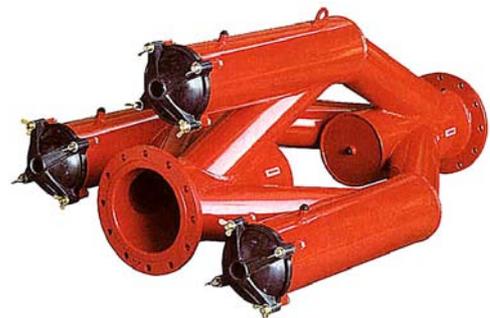
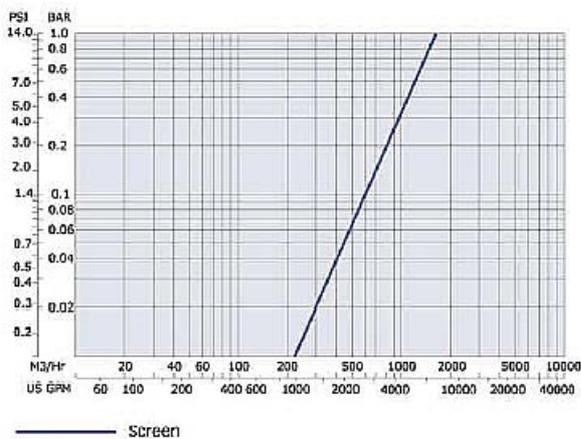
The dimensions in this view is the same for all above filter types



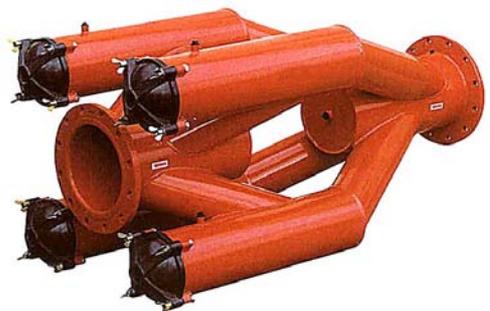
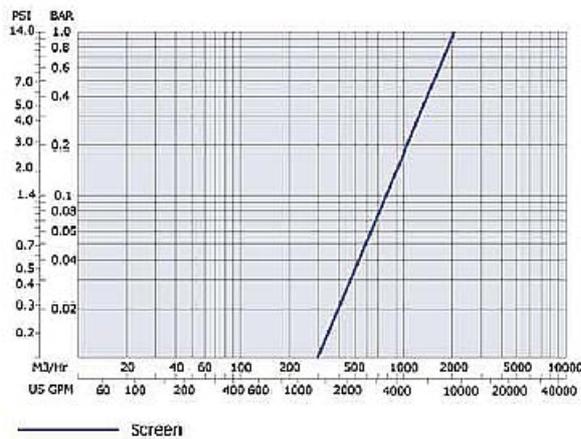
10" In-Line



12" In-Line



14" In-Line



Technical specifications

Filter type	In-Out diameter [mm; inch]	Maximum flow rate [m ³ /h]	Maximum Working pressure	Maximum Working temp.	Filter area [cm ²]	Construction materials
10"	250 mm; 10"	500	10 bar	60°C	11,440	Housing : Phosphate pre-treated steel 37-2 with polyester coating Lid: SMC polyester Seals: Nitril rubber
12"	300 mm; 12"	650	10 bar	60°C	17,260	Perforated Cylinder: St.St. 316 Seals: Nitril rubber
14"	350 mm; 4"	1000	10 bar	60°C	22,882	Weavv Wire screen: St.St. 316 Seals: Nitril rubber

