TAGLINE FILTER SERIES

amiad®

Irrigation all plastic filters for flow rates up to 50 m³/h.

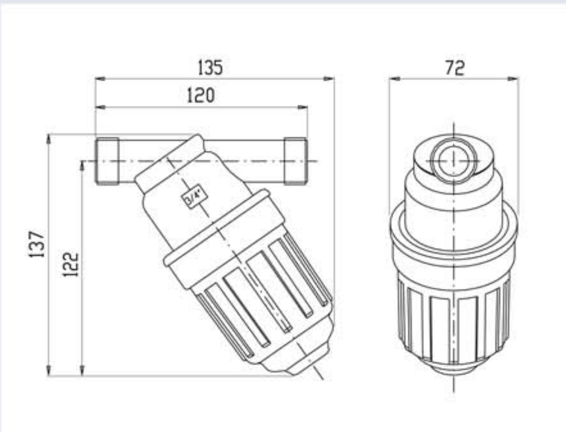
TAGLINE

- Easy maintenance: The filter elements can easily be extracted from the filter housing for rinsing.
- High quality, low pressure loss, no tools required.
- Wide range of flow rates, multiple filtration degrees, corrosion resistant, various applications, disc element or screen cylinder.

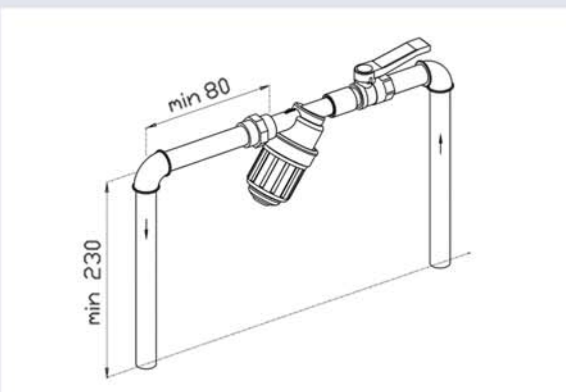
AMIAD FILTRATION SYSTEMS LTD.

3/4"

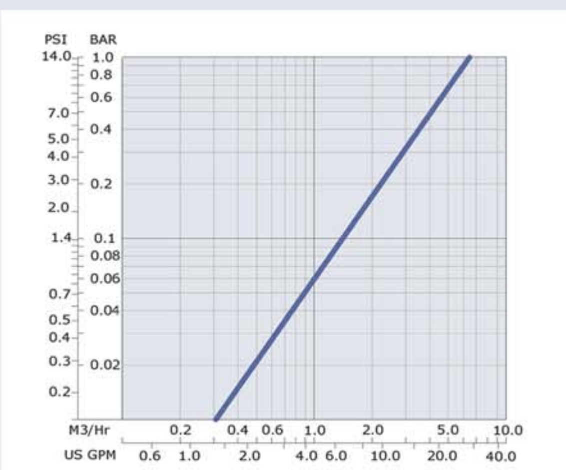
Dimensional drawing



Suggested installation

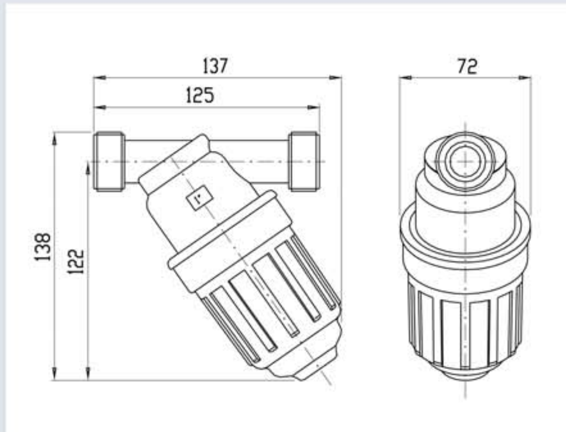


Pressure loss graph

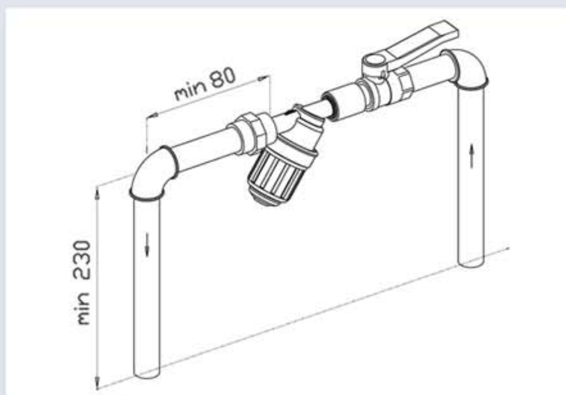


1"

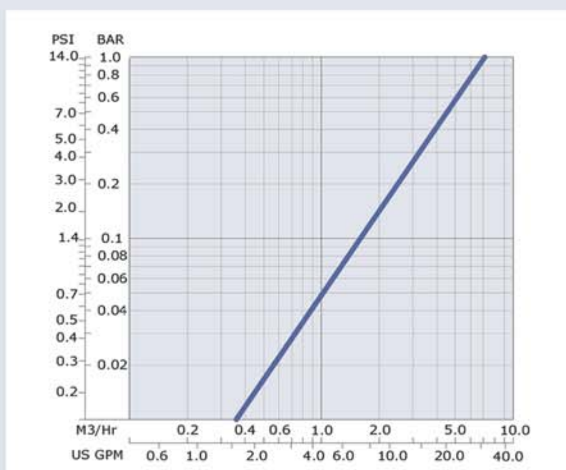
Dimensional drawing



Suggested installation

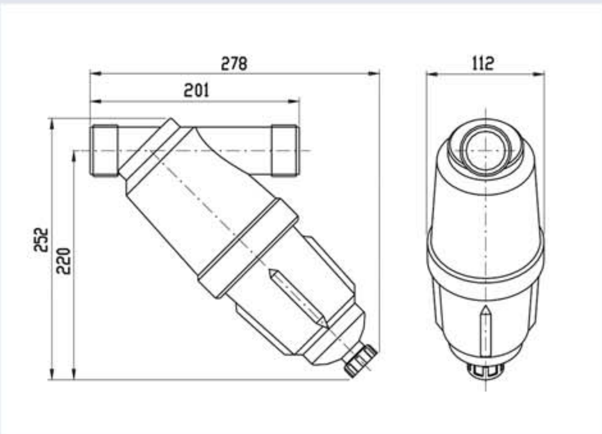


Pressure loss graph

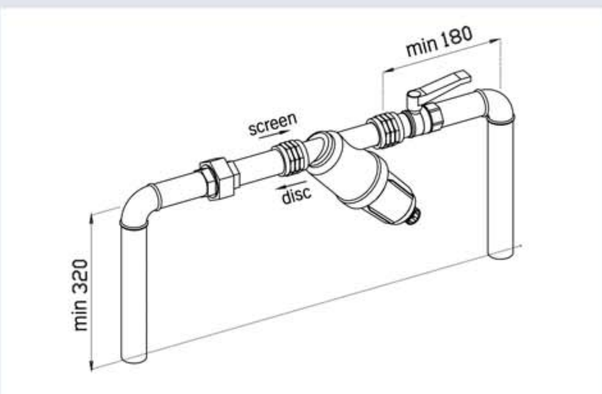


1 1/2"

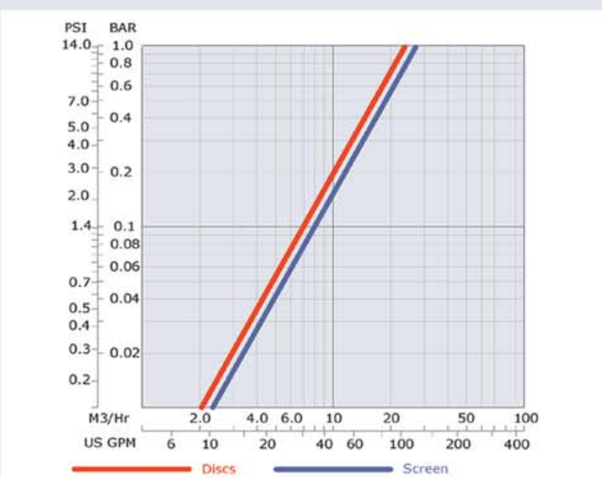
Dimensional drawing



Suggested installation

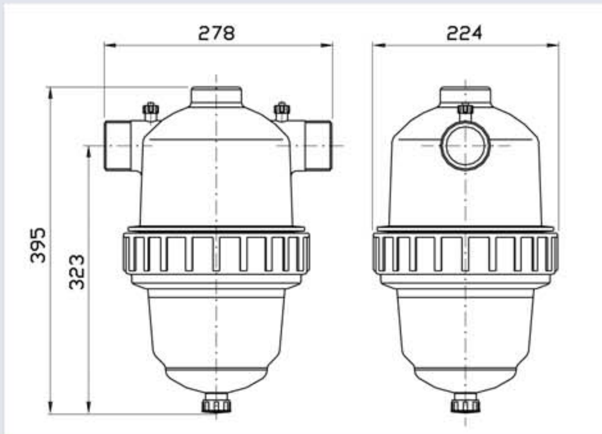


Pressure loss graphs

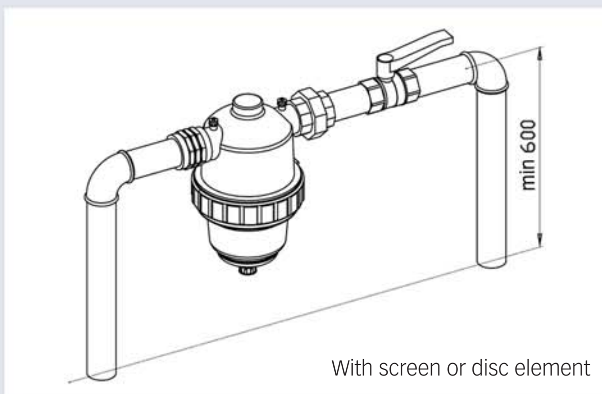


2"

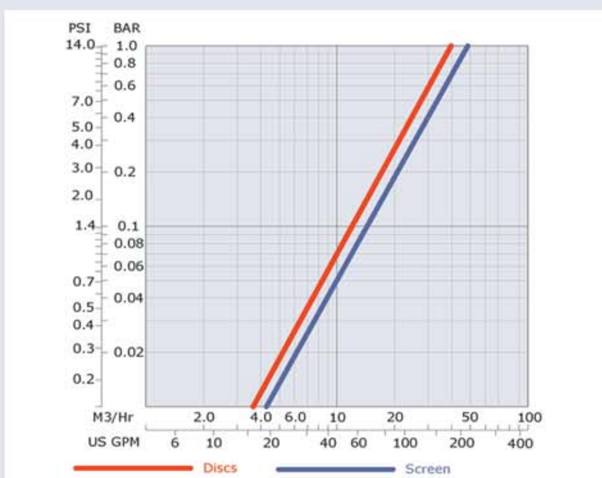
Dimensional drawing



Suggested installation

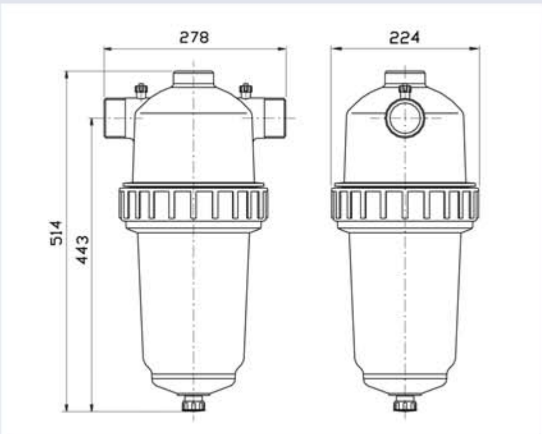


Pressure loss graphs

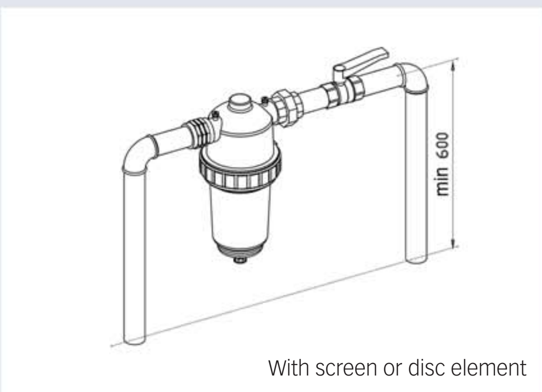


2"-Super

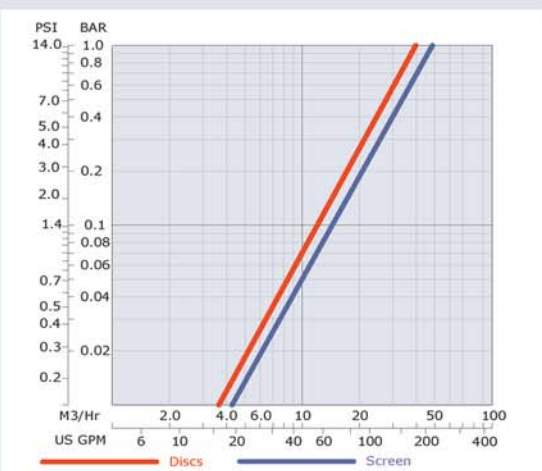
Dimensional drawing



Suggested installation

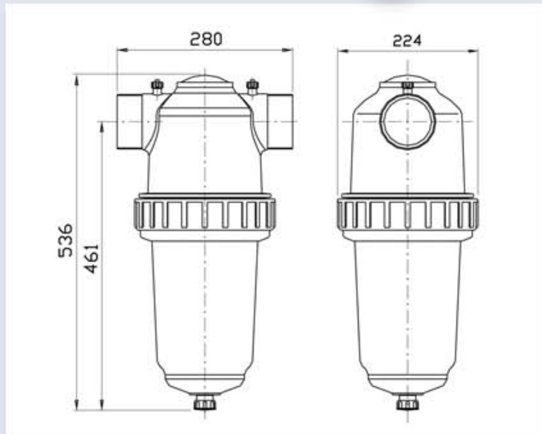


Pressure loss graphs

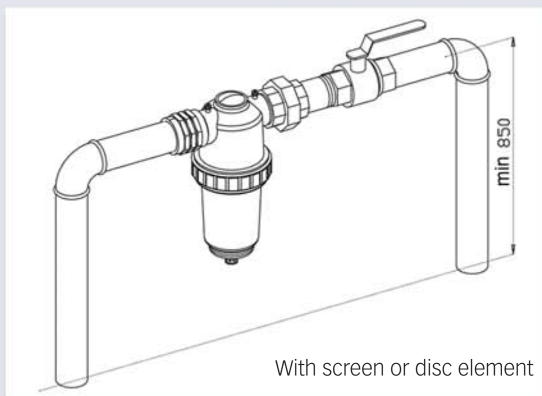


3"

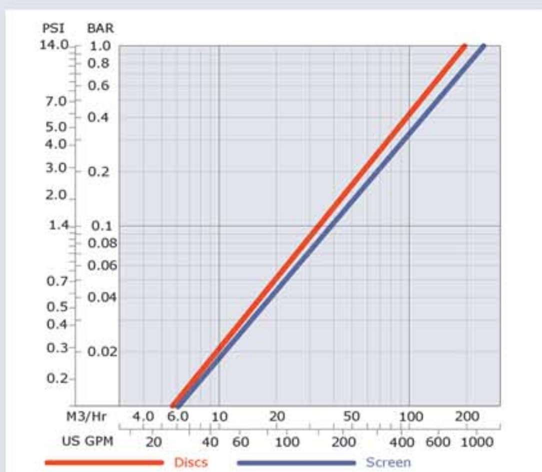
Dimensional drawing



Suggested installation



Pressure loss graphs



TECHNICAL SPECIFICATIONS

Filter type		3/4"	1"	1 1/2"	2"	2"-S	3"
In/Out Ø [mm]		20	25	40	50	50	80
[inch]		3/4	1	1 1/2	2	2	3
Maximum flow [m^3/h]		3	5	15	25	25	50
Maximum pressure [bar]		8	8	8	8	8	8
Maximum temp. [^{0}C]		60	60	60	60	60	60
Filter area [cm^2]	Screen	110	110	340	465	700	700
	Discs	-	-	460	790	1185	1185
Weight [kg]	Screen	-	-	1.0	3.6	4.2	4.5
	Discs	-	-	1.2	4.4	5.4	5.7

Construction materials

Filter type		3/4"	1"	1 1/2"	2"	2"-S	3"
Housing and lid		PP	PP	PP	Polypropylene + Glass Fibers		
Tightening nut		-	-	-	Polypropylene + Glass Fibers		
Housing seal		NBR	NBR	NBR	NBR		
Discs	Construction	-	-	PE	Polyethylene		
	Grooved discs	-	-	PE	Polyethylene		
	Seals	-	-	NBR	NBR		
Screen	Construction	PP	PP	PP	Polyethylene		
	Mesh	Nylon	Nylon	St.St.	St.St.		
	Seals	NBR	NBR	NBR	NBR		

Screen elements

The screen elements are constructed of molded plastic ribs that support a stainless steel weavewire screen or monofil polyester weave screen with filtration degrees from 80 to 300 micron (1).

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 separation 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 (2). The discs are grooved on both sides. These grooves intersect to form the filtration element when compressed on the core. The disc element provides high 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 adding the element of depth to the filtration process.

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 provide perfect sealing inside the filter housing.

Filtration degrees available

Color	Black	Yellow	Red	White	Brown	Blue
Micron	80	100	130	200	250	300
Mesh	200	155	120	75	60	50
3/4",1"	🟨🟥	🟨🟥	🟨🟥	🟨🟥		🟨🟥
1 1/2"	🟨🟥	🟨🟥⬛	🟨🟥⬛	🟨🟥	⬛	🟨🟥
2", 3"	🟥	🟥⬛	🟥⬛	🟥	⬛	🟥

🟨 Nylon Screen 🟥 Weave Wire Screen ⬛ Disc Element