TIMEX
Filtration & Water Systems

PLASTIC Filters

flow rates	filtration degrees	diameters	max. operating pressure
up to **50** m^3/h (220 US gpm)	**3500 – 22** micron	¾" – **3"**	**10** bar (150 psi)

Durable high quality Plastic filters for wide range of filtration applications

features:

- Interchangeable filter elements for wide range of flow rates, multiple filtration degrees and applications
- Excellent mechanical strength, corrosion resistance and models for chemical durability
- Low pressure loss
- Easy to install and maintain, no tools required for rinsing
- Available with exclusive features for semi-automatic cleaning
- Wide range of applications for the irrigation, municipal and industrial markets

TIMEX Plastic Filters

General

With our various filter elements TIMEX all purpose plastic filters are made for wide range of filtering applications and filtration degrees and are easy to install and maintain. They are constructed from high quality engineering-plastic materials for providing excellent mechanical strength, durability and in some of the models even corrosion and chemical resistance.

TIMEX plastic filters need no tools for dismantling or for extracting the filter element from the filter housing for rinsing; also visually monitoring the status of the filter element without disrupting the water flow is easily done with TIMEX's innovative clogging indicator connected to the filter's pressure check points.

TIMEX plastic filters can be upgraded to semi-automatic operation by adding one of TIMEX's exclusive Turboclean, Brushaway or Scanaway assemblies.

Filter Elements

TIMEX supplies various filter elements for its plastic filters line in order to cover wide range of flow rates, filtration degrees and applications.

Screen Elements: (1)

These screen elements are constructed of molded plastic ribs that support a stainless steel weave-wire or weaved nylon screen for filtration degrees of 800 to 22 micron.

Perforated Stainless Steel Elements: (2)

Suitable for coarse filtration (straining) between 3,500 and 800 micron.

(1) (2) (3)

Disc Elements: (3)

The disc elements are made to provide high retention of organic substances and are constructed from plastic discs that are stacked onto a telescopic core.
The discs are grooved on both sides and intersected to form the filtration element when compressed on the telescopic core.

The effective filtration area is comprised of both the outside surface and the channels formed by the intersected grooves. Suspended organic particles adhere to the grooved surface adding 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 while maintaining perfect sealing when the element is in the filter housing.

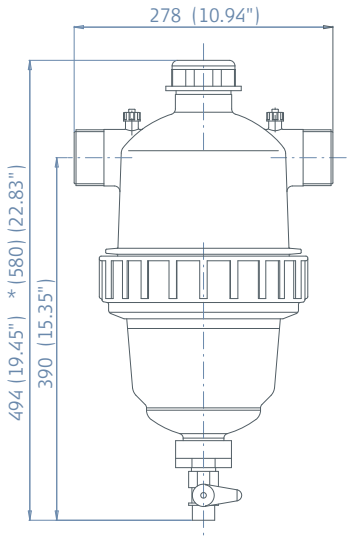
Filtration Degrees Available

The following table lists the various filter elements of TIMEX's Plastic Filters line and the optional filtration degrees for each filter element. For ease of operation and maintenance the various filtration degrees are color coded, please consult your dealer for the most suitable filter element for your application's requirements.

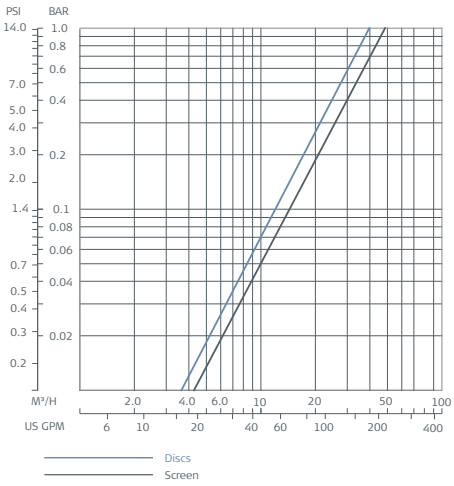
Color	Brown	Green	Orange	Black	Yellow	Red	Purple	White	Brown	Blue	Green	Gray			
Micron	22	25	50	80	100	130	180	200	250	300	500	800	1500	2500	3500
Mesh	450	450	300	200	155	120	80	75	60	50	30	20	10	6	4
¾", 1"C	■		■ ▲	■ ▲	■ ▲	■ ▲		■ ▲		■ ▲	■ ▲	■			
1"S, 1½"C, 1½"S	■	★	■ ▲	■ ▲	■ ▲	■ ▲ ★		■ ▲	★	■ ▲	■ ▲	■			
2", 3"			▲	▲	▲ ★	▲ ★	★		★	▲	▲	●	●	●	●

■ Nylon Screen ▲ Weave Wire Screen ★ Disc Element ● Perforated Screen

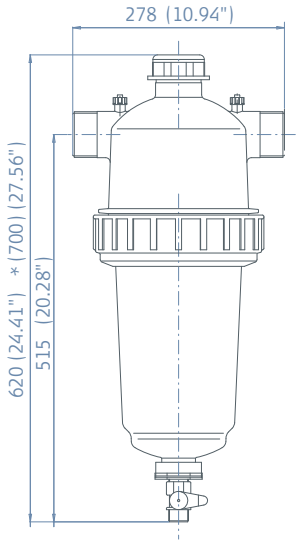
2"T

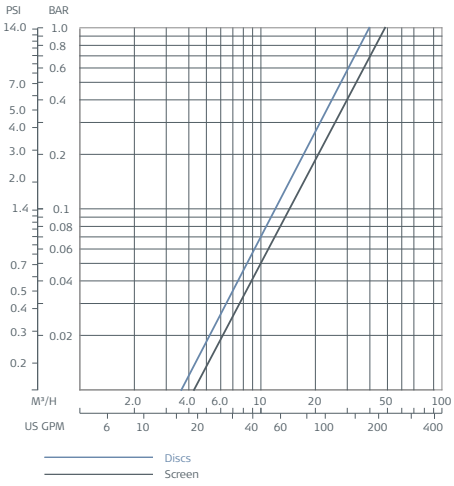


Pressure Loss Graphs

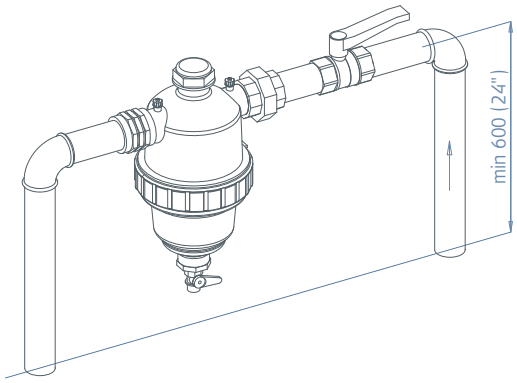


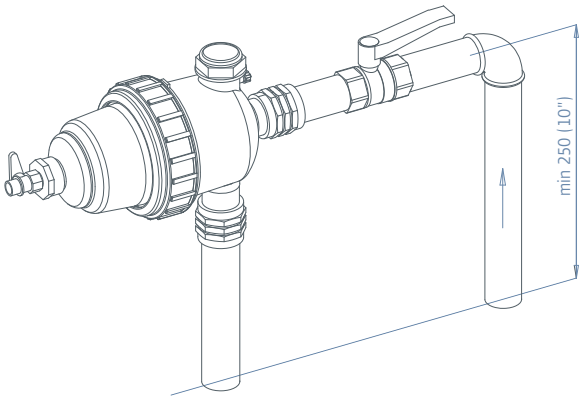
2"T Super

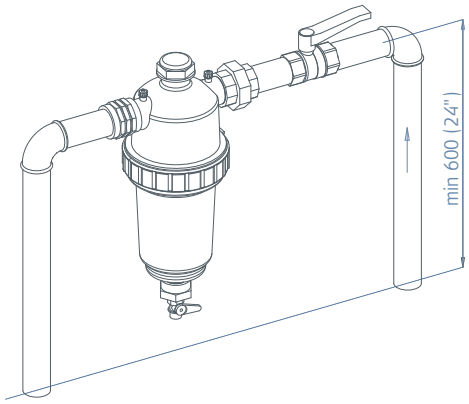


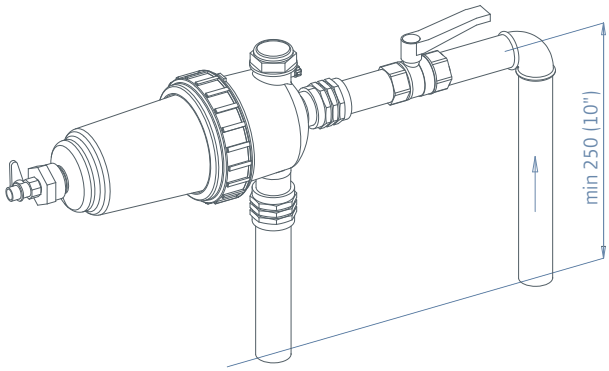


Dim. In mm (inch)
*Approx. length required for maintenance



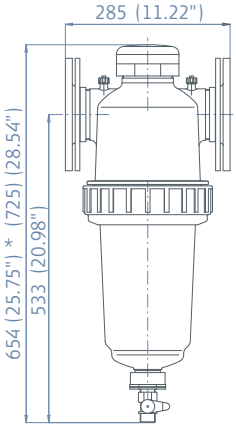




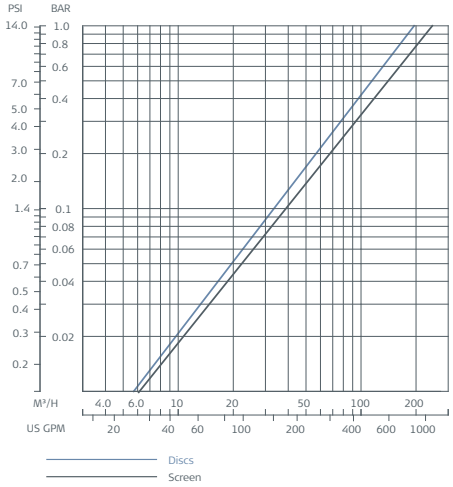


Dim. In mm (inch)

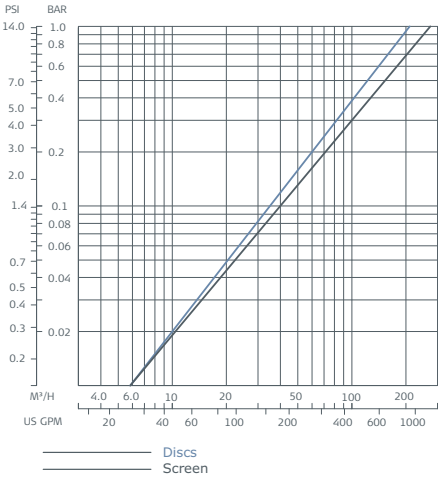
3″T



Pressure Loss Graphs

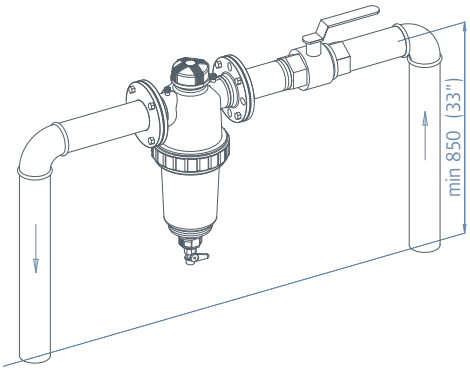


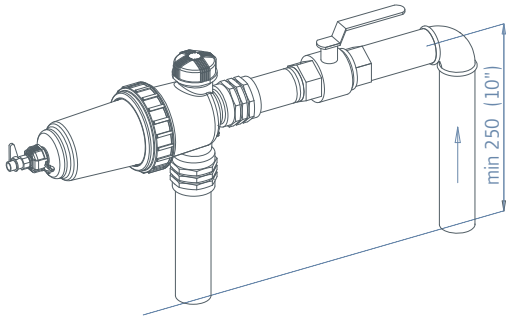
3″LT-S

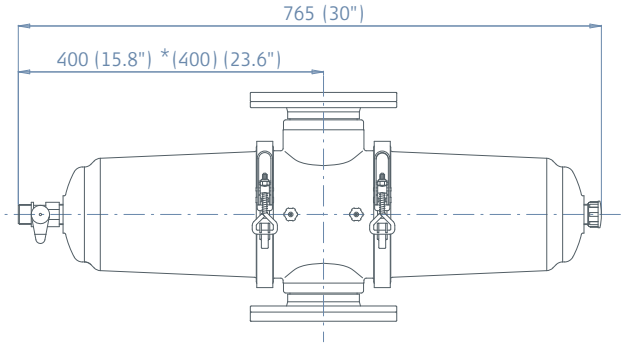


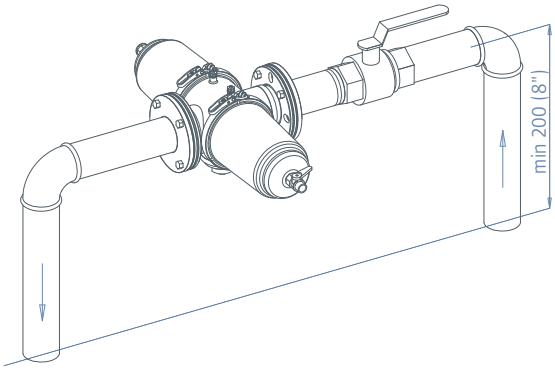
Technical Specifications

Filter Type	2″ T	2″ T-S	3″ T	3″ LT-S
General Data				
Maximum flow rate*	25 m³/h (110 US gpm)	25 m³/h (110 US gpm)	50 m³/h (220 US gpm)	50 m³/h (220 US gpm)
Inlet/Outlet diameter	2″ (50 mm)	2″ (50 mm)	3″ (80 mm)	3″ (80 mm)
Standard filtration degrees	3500, 2500, 1500, 800, 500, 300, 200, 180, 130, 100, 80, 50, 25, 22 micron			
Max. working pressure	10 bar (145 psi)			
Max. working temperature	60°C (140°F)			
Weight (empty)	Screen = 3.6 kg (7.9 lb) Discs = 4.4 kg (9.7 lb)	Screen = 4.2 kg (9.2 lb) Discs = 5.4 kg (11.9 lb)	Screen = 4.5 kg (9.9 lb) Discs = 5.7 kg (12.5 lb)	Screen = 9.2 kg (20.2 lb) Discs = 11 kg (24.2 lb)









Dim. In mm (inch)
*Approx. length required for maintenance

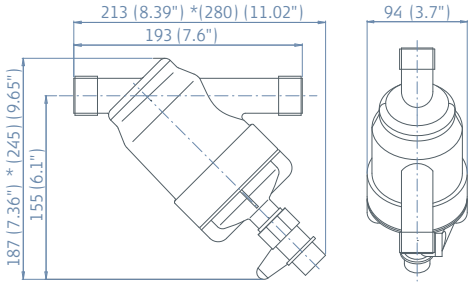
Engineering Data

Filter Type	2" T	2" T-S	3" T	3" LT-S
Filter Element Data				
Filter area	Screen = 465 cm² (72 in²) Discs = 790 cm² (122 in²)	Screen = 700 cm² (108 in²) Discs = 1185 cm² (184 in²)	Screen = 700 cm² (108 in²) Discs = 1185 cm² (184 in²)	Screen = 930 cm² (145 in²) Discs = 1580 cm² (245 in²)
Filter Element type	Nylon Screen, Weave Wire Screen, Perforated Screen, Disc Element			

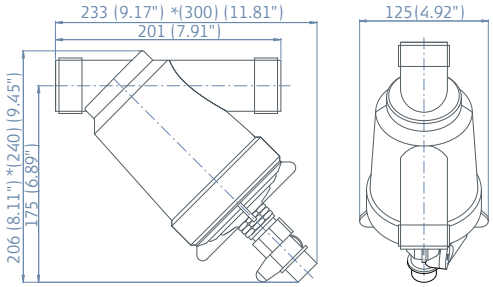
Construction Materials*		
Filter housing	Polyamide + Glass Fibers	Polyacetal
Filter Lid	Polyamide + Glass Fibers	Polyacetal
Tightening nut	Polyamide + Glass Fibers	Polyacetal
Clamp	N/A	St. St.
Housing seal	NBR	
Screen	Construction = Polypropylene + Glass Fibers Mesh = St. St. Seals = NBR	
Discs	Construction = Polypropylene Grooved discs = polyethylene Seals = NBR	

* TIMEX offers a variety of construction materials. Consult us for specifications.

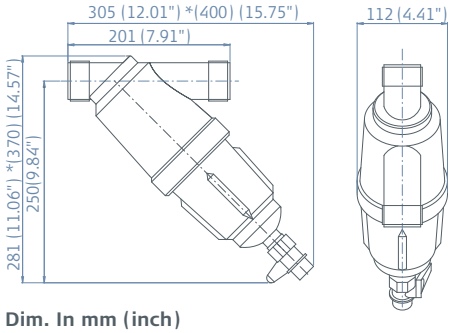
1" Super



1½" Compact



1½" Super

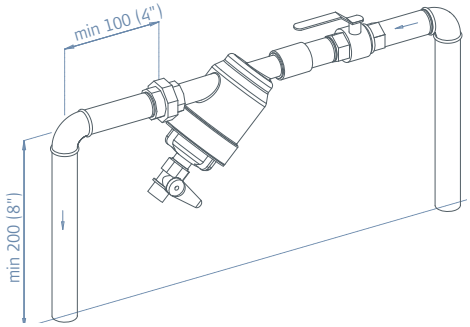


Dim. In mm (inch)
*Approx. length required for maintenance

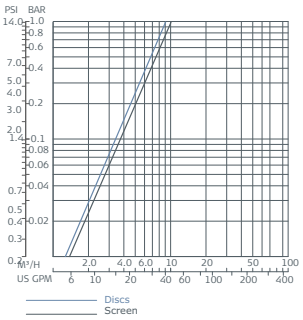
Technical Specifications

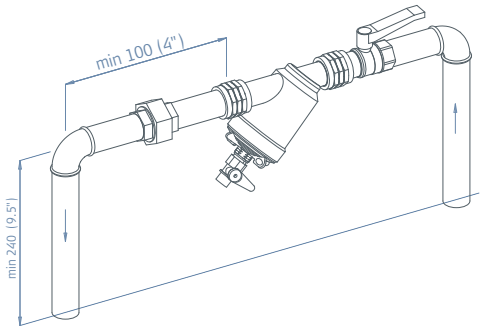
Filter Type	1" Super	1½" Compact	1½" Super
General Data			
Maximum flow rate*	7 m³/h (31 US gpm)	15 m³/h (66 US gpm)	15 m³/h (66 US gpm)
Inlet/Outlet diameter	1" (25 mm)	1½" (40 mm)	1½" (40 mm)
Standard filtration degrees	3500, 2500, 1500, 800, 500, 300, 200, 180, 130, 100, 80, 50, 25, 22 micron		
Max. working pressure	10 bar (145 psi)		
Working temperature range	60°C (140°F)		
Weight (empty)	Screen = 0.52 kg (1.14 lb) Discs = 0.63 kg (1.38 lb)	Screen = 0.76 kg (1.67 lb) Discs = 0.86 kg (1.89 lb)	Screen = 1.0 kg (2.2 lb) Discs = 1.2 kg (2.64 lb)

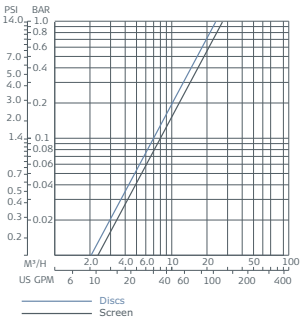
* Consult TIMEX for optimum flow depending on filtration degree & water quality.

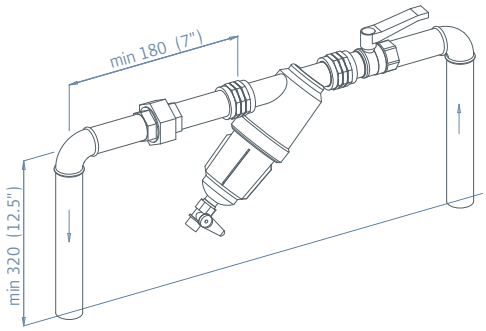


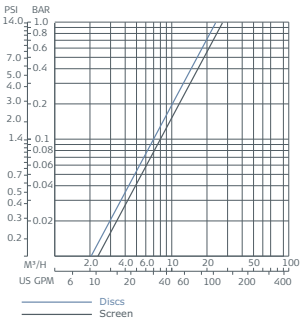
Pressure Loss Graphs









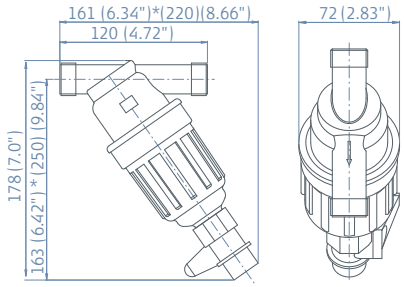


Dim. In mm (inch)

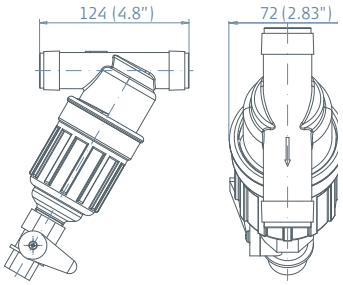
Filter Type	1" Super	1½" Compact	1½" Super
Filter Element Data			
Filter area	Screen = 170 cm² (26.3 in²) Discs = 200 cm² (31 in²)	Screen = 170 cm² (26.3 in²) Discs = 200 cm² (31 in²)	Screen = 340 cm² (52.7 in²) Discs = 460 cm² (71.3 in²)
Filter Element type	Nylon Screen, Weave Wire Screen, Perforated Screen, Disc Element		

Construction Materials*	
Filter housing	Polyacetal
Filter Lid	Polyacetal
Housing seal	NBR
Screen	Construction = Polypropylene Mesh = St. St. or Polyester Seals = NBR
Discs	Construction = Polypropylene Grooved discs = Polypropylene Seals = NBR

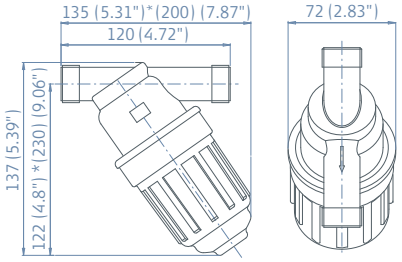
¾"



1" Compact



¾", 1" Compact w/o valve

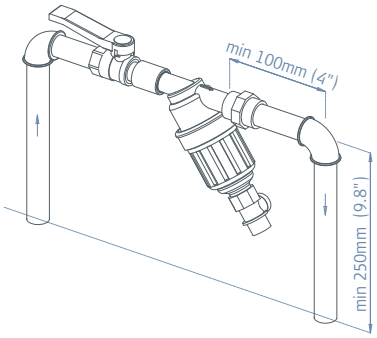


Dim. In mm (inch)
*Approx. length required for maintenance

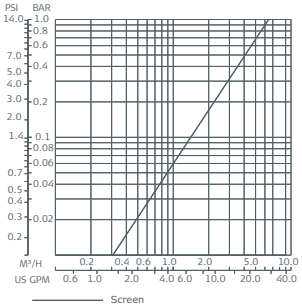
Technical Specifications

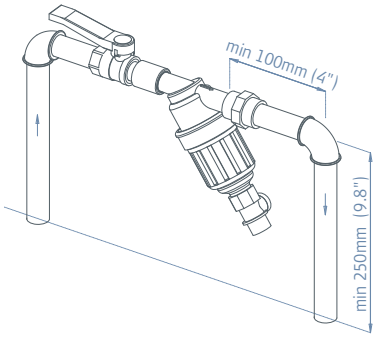
Filter Type	¾"	1" Compact
General Data		
Maximum flow rate*	3 m³/h (13.2 US gpm)	5 m³/h (22 US gpm)
Inlet/Outlet diameter	¾" (20 mm)	1" (25 mm)
Standard filtration degrees	3500, 2500, 1500, 800, 500, 300, 200, 180, 130, 100, 80, 50, 25, 22 micron	
Max. working pressure**	10 bar (140 psi)	
Working temperature range	60°C (140°F)	
Weight (empty)	Screen = 0.28 kg (0.61 lb)	Screen = 0.30 kg (0.66 lb)

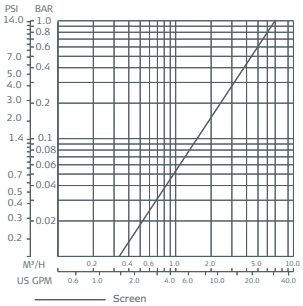
* Consult amiad for optimum flow depending on filtration degree & water quality.
** Chemical resistant filters are rated to 8 bar.

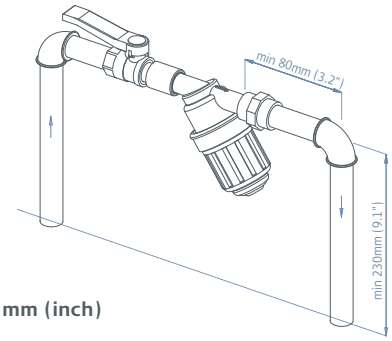


Pressure Loss Graphs

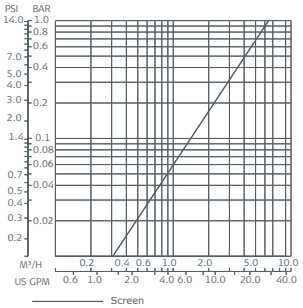








Dim. In mm (inch)



Filter Type	¾"	1" Compact
Screen Data		
Filter area	Screen = 110 cm² (17 in²)	Screen = 110 cm² (17 in²)
Screen types	Nylon Screen, Weave Wire Screen	

Filter Type	¾" and 1"	¾" and 1" Chemical resistant
Construction Materials*		
Filter housing	Polyacetal	Polypropylene
Filter Lid	Polyacetal	Polypropylene
Housing seal	NBR	Viton or NBR
Screen	Construction = Polypropylene Mesh = St. St. or Polyester Seals = NBR	Construction = Polypropylene Mesh = St. St. or Polyester Seals = Viton or NBR

* TIMEX offers a variety of construction materials. Consult us for specifications