



PLASTIC FILTERS

All plastic manual filters

MASTERS OF FILTRATION



Any Crop



Anywhere



Any Water Source



Any Technology

Farming is our heritage.
Filtration is our legacy.

At Amiad, our roots are in the land. As farmers, we learned at firsthand what our crops need to thrive. We understand that every water source is different, and how water quality can greatly affect crop yield.

The filter is the first vital link in the irrigation chain. It's there to protect irrigation systems from damage, while delivering the best quality water.

We develop filters that are able to cope with any water quality, in any geographical location.

We've spent years mastering filtration technology so we can offer a wide range of filters for every farmer's needs including screen, disc or media technology. Our fully automated filtration systems save time, manpower and costs.

We consider every challenge as an opportunity to work side by side with our customers to solve their problems. We'll go anywhere to ensure our filters perform as expected, 24/7, every day of the year.

When you want a high performance filter for your irrigation system, consult with Amiad. We focus on doing what we do best.

Amiad. Masters of Filtration.



Disc Technology



Screen Technology



Media Technology

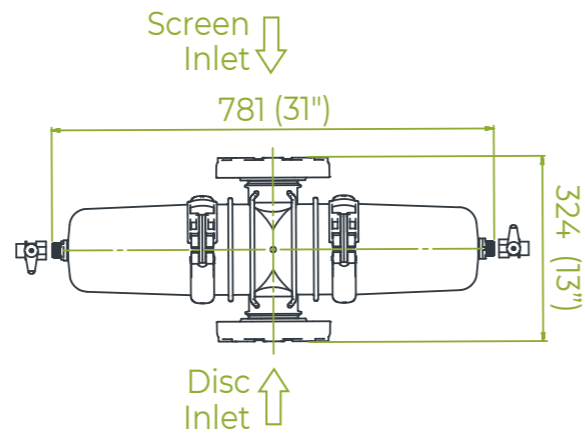
Plastic filters: Models



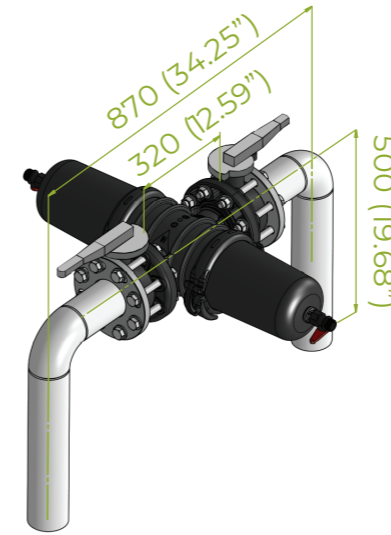
3" TDS



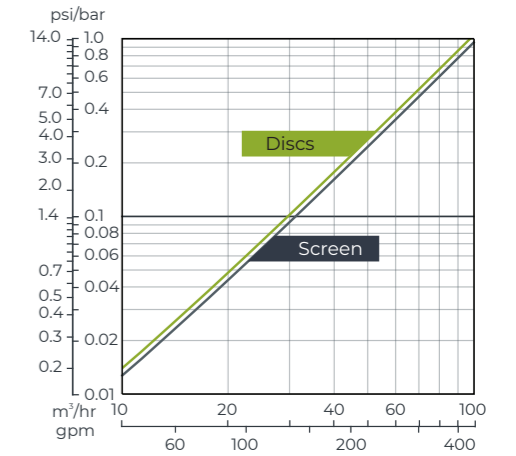
Typical Dimensional Drawing



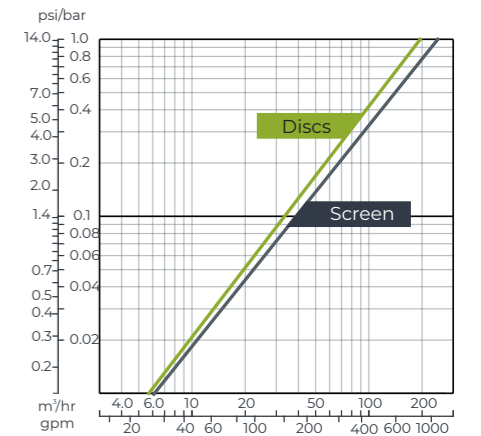
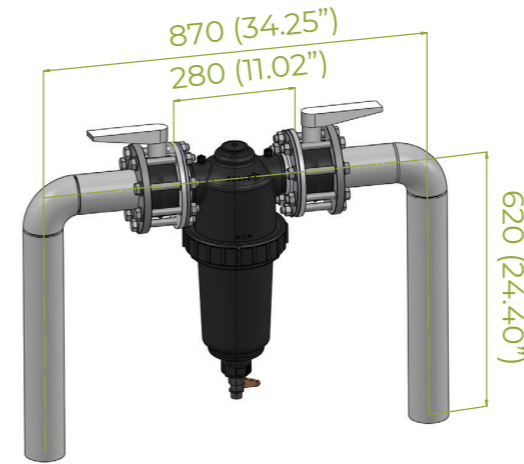
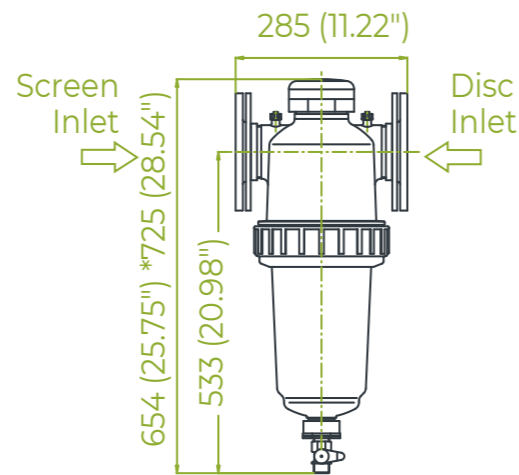
Typical Installation Drawing



Head Loss Graphs (in clean water)

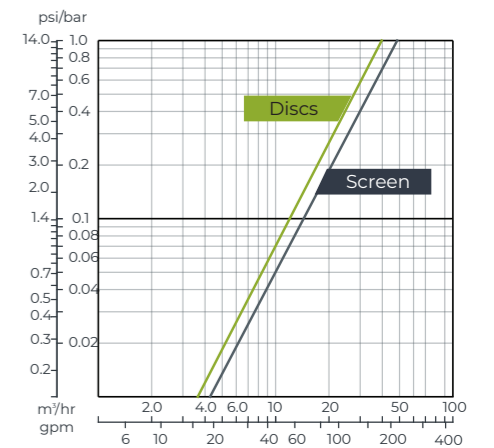
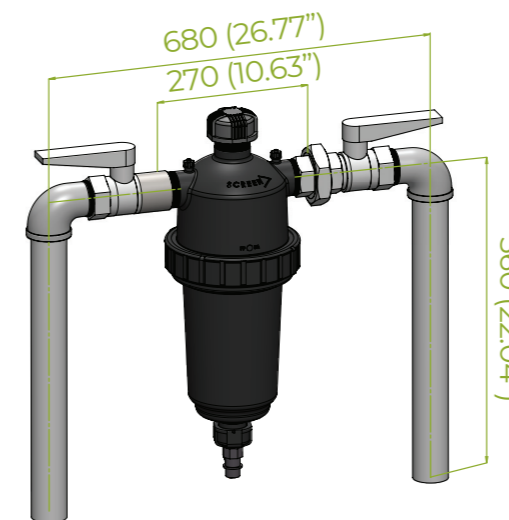
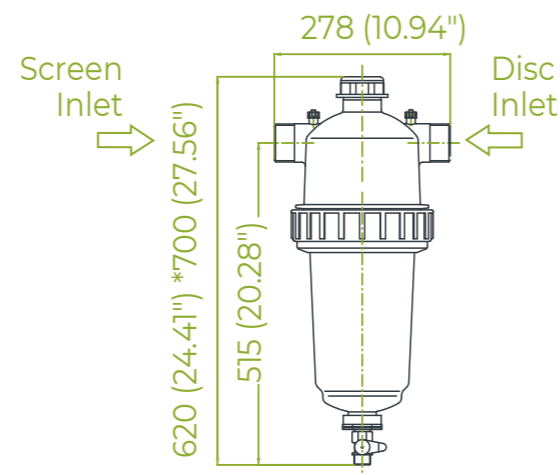


3" T



* Threaded connections also available

2" T-Super



Dim: mm (inch)

*Approx. length required for maintenance

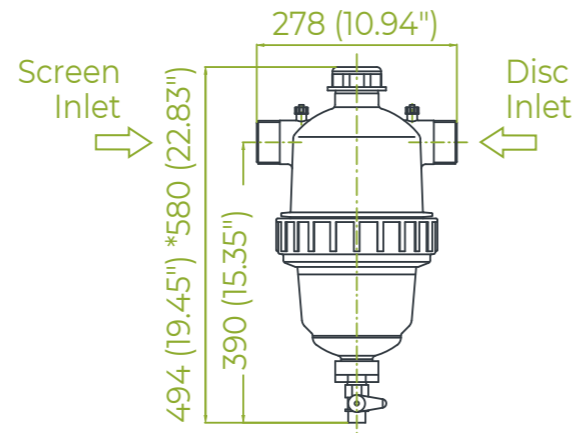
Dim: mm (inch)

Plastic filters: Models

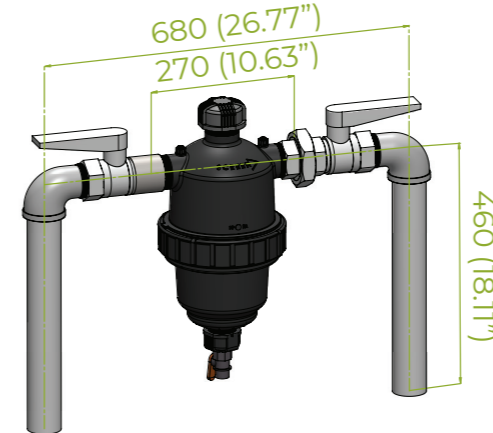
2" T



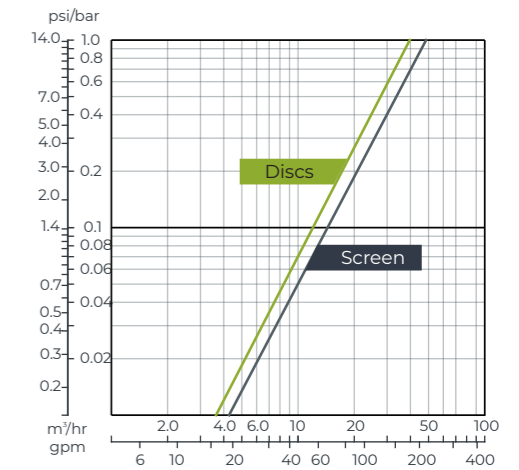
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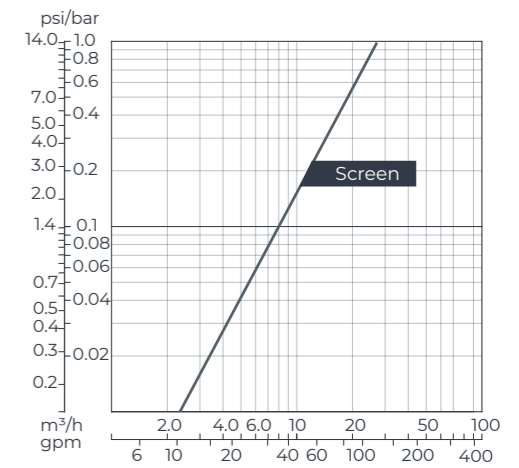
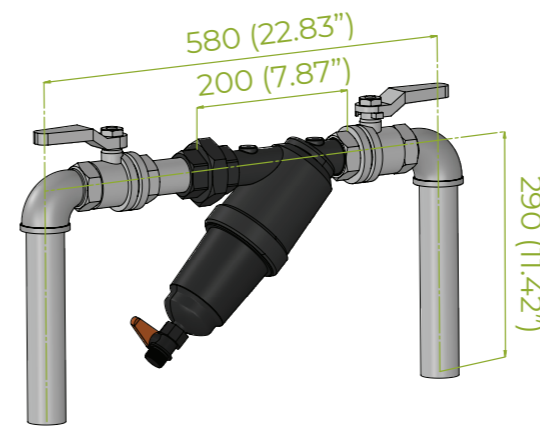
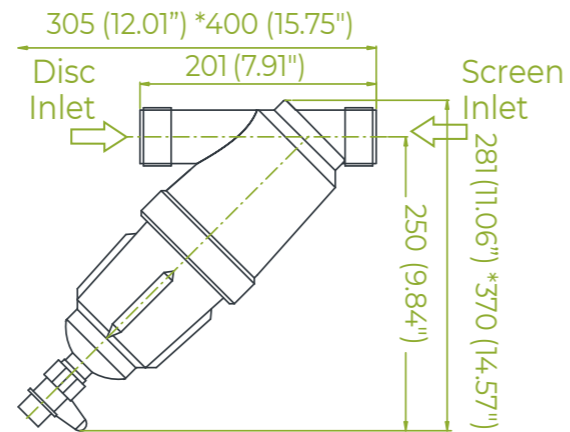
Typical Installation Drawing



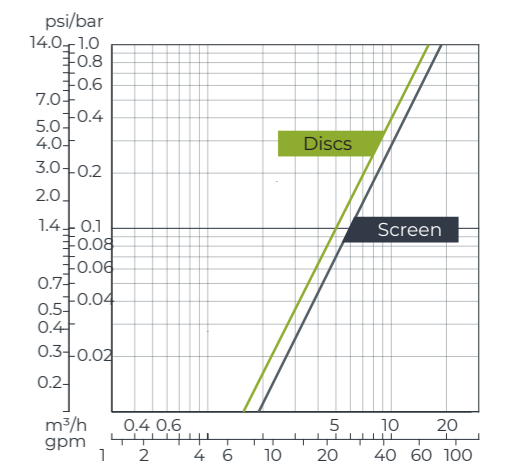
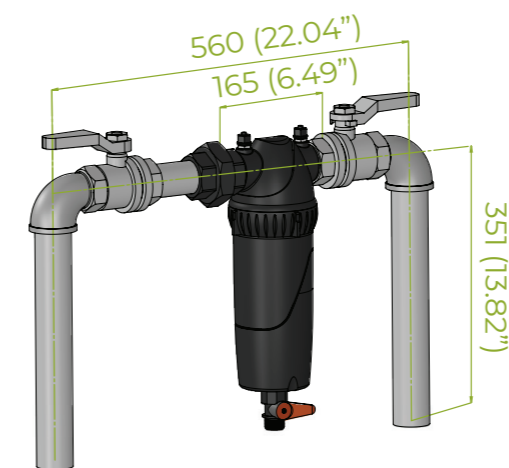
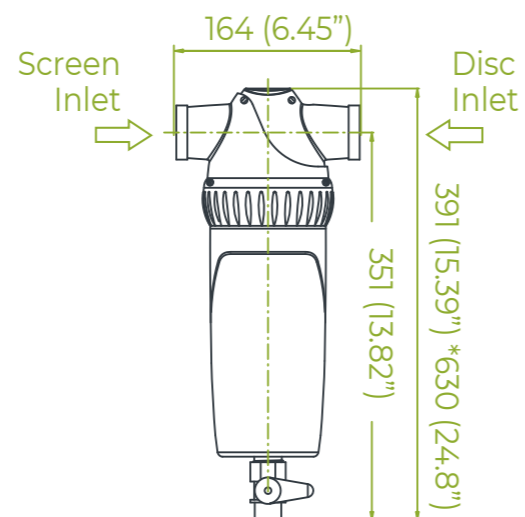
Head Loss Graphs (in clean water)



1½" Super



1½" T-Super



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

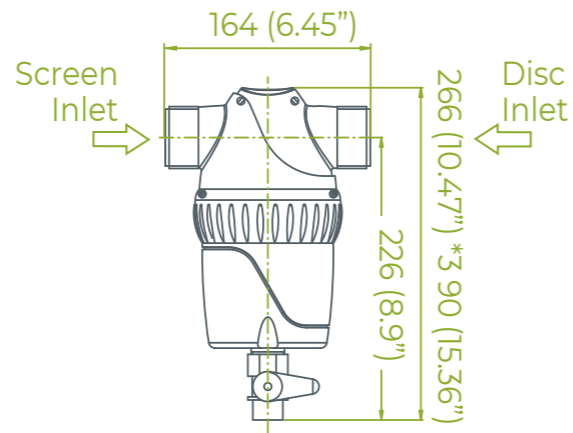
Dim: mm (inch)

Plastic filters: Models

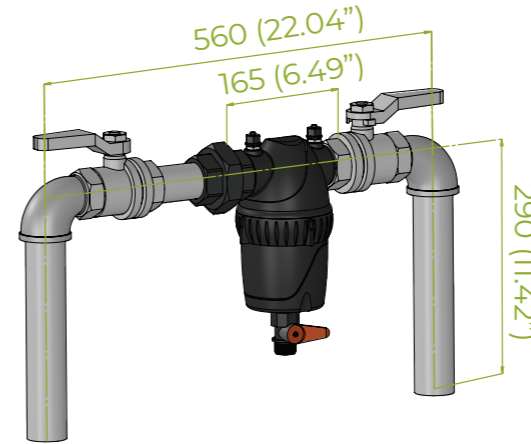
1½" T



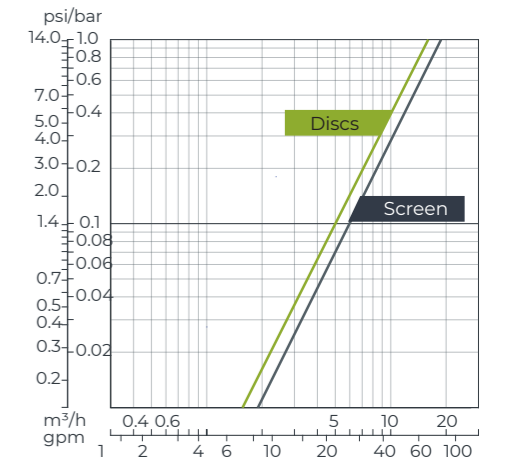
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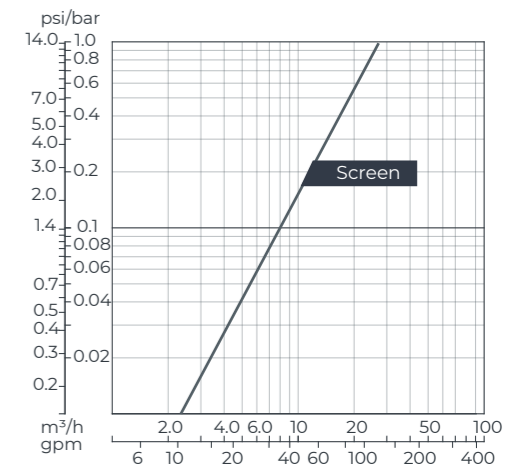
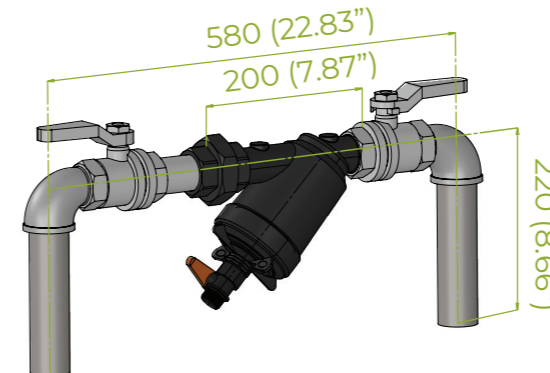
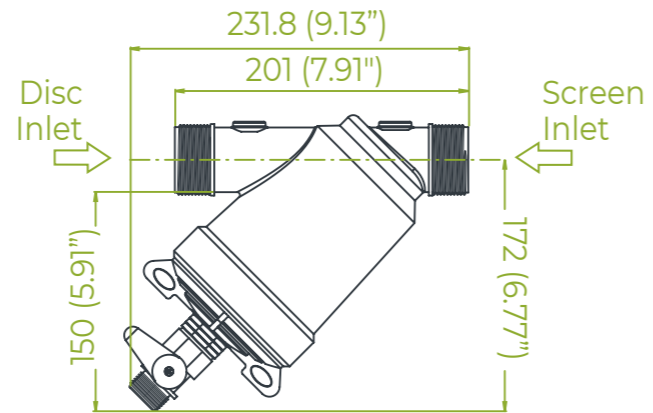
Typical Installation Drawing



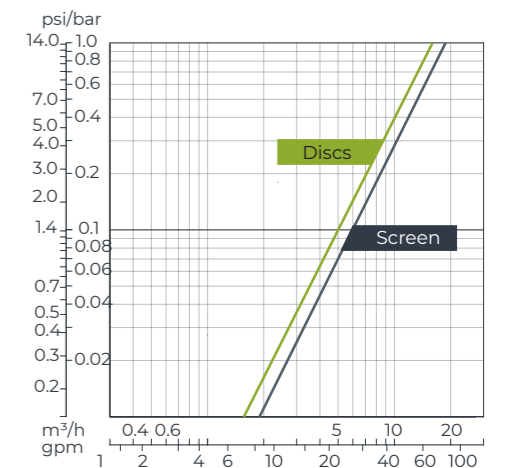
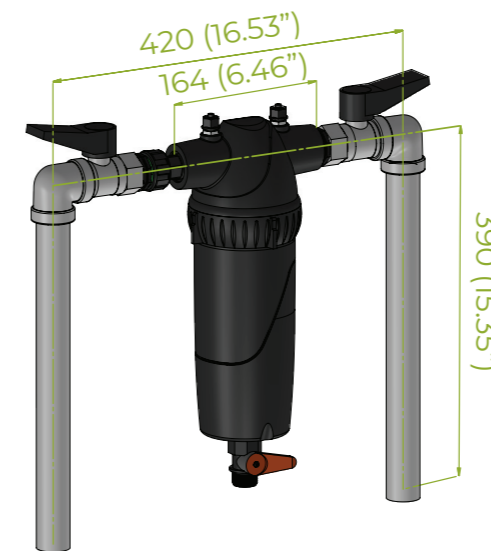
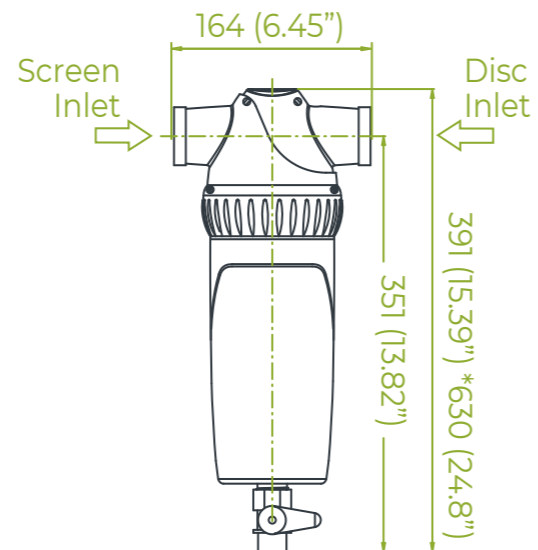
Head Loss Graphs (in clean water)



1½" Compact



1" T Super



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

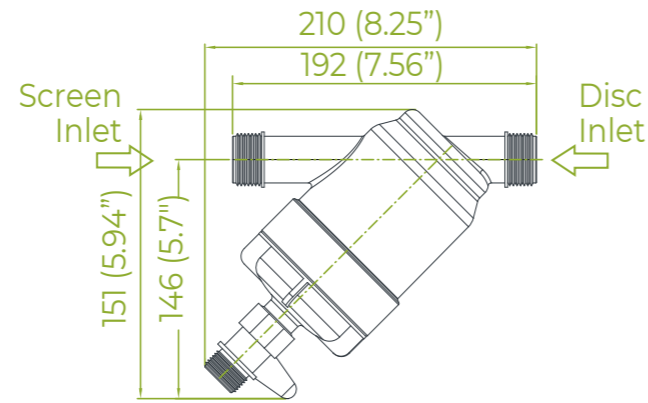
Dim: mm (inch)

Plastic filters: Models

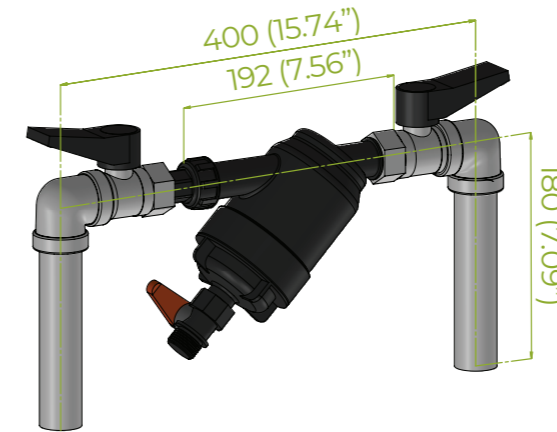
1" Super



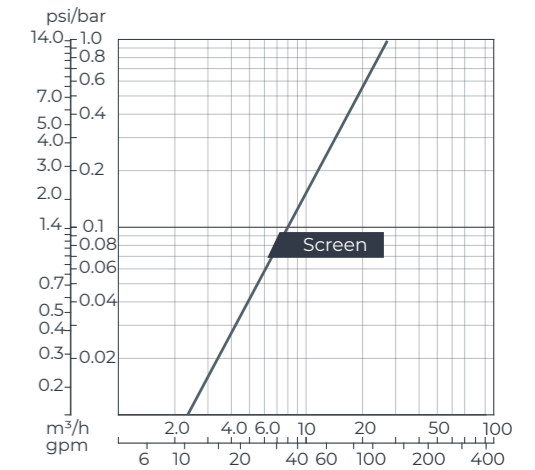
Typical Dimensional Drawing



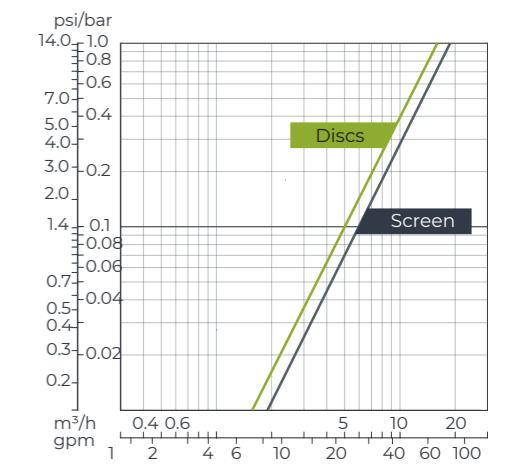
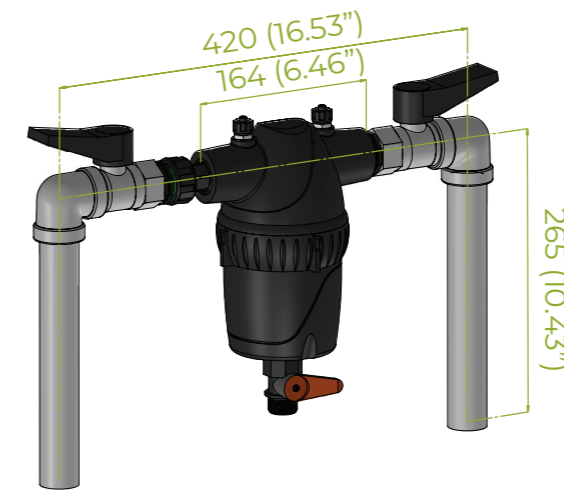
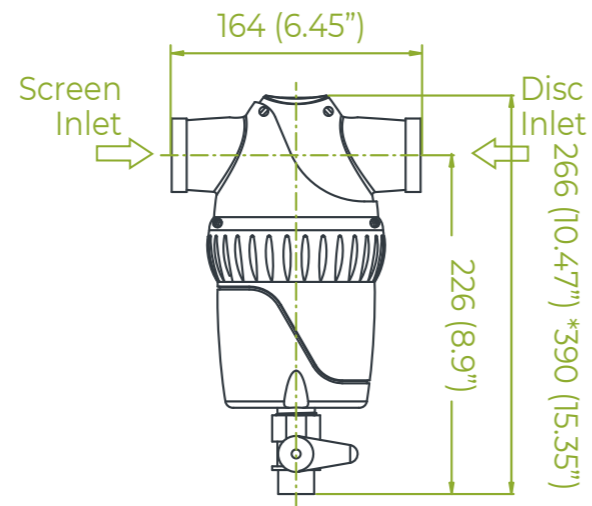
Typical Installation Drawing



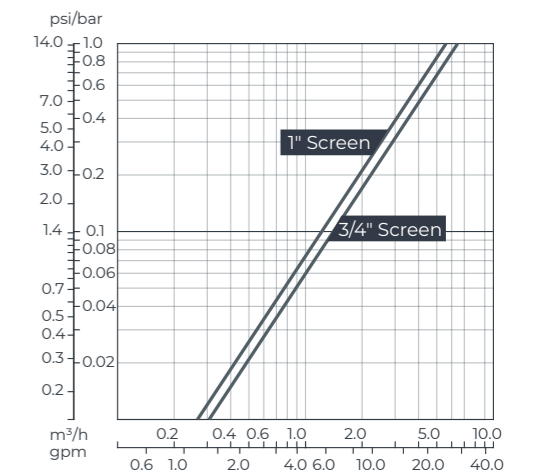
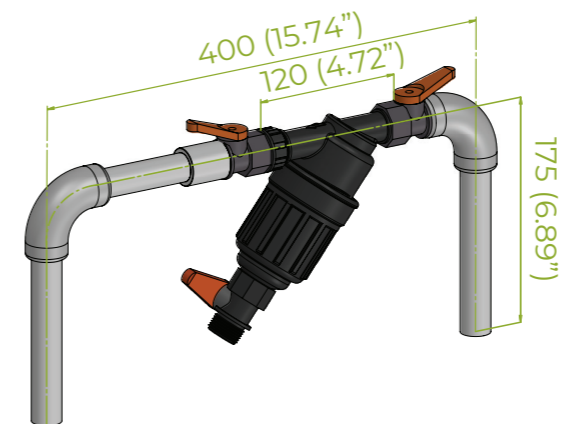
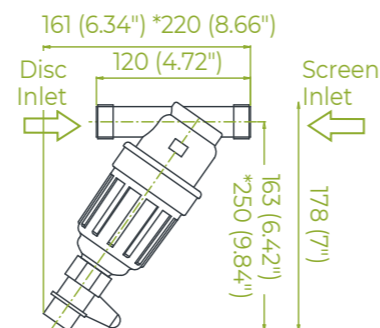
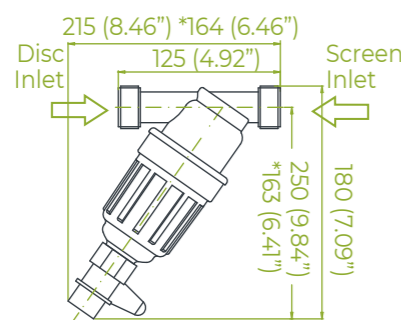
Head Loss Graphs (in clean water)



1" T



1" Compact / 3/4"



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

Dim: mm (inch)

Plastic filters: Models

Technical Specifications

Filter Type		3" TDS	3" T /3"TL	2" T-Super	2" T
General data					
Max. flow rate*		50 m ³ /h (220 gpm)	60 m ³ /h (264 gpm)	35 m ³ /h (154 gpm)	30 m ³ /h (132 gpm)
Inlet/Outlet diameter		80 mm (3")		50 mm (2")	
Standard filtration degrees	Screen	200, 130, 100 micron	3500, 2500, 1500, 800, 500, 300, 200, 130, 100, 80, 50 micron		
	Disc	200, 130, 100 micron			
Max. operating pressure		8 bar (116 psi)	10 bar (150 psi)		
Max. operating temperature		60°C (140°F)			
Weight [empty]	Screen	5.1 kg (11.2 lb)	4.2 kg (9.2 lb)	3.6 kg (7.9 lb)	
	Disc	6.3 kg (14.0 lb)	5.4 kg (11.9 lb)	4.4 kg (9.7 lb)	

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

Filter Type		1½" T-Super	1½" T	1" T-Super	1" T
General data					
Max. flow rate*		15 m ³ /h (66 gpm)		7 m ³ /h (31 gpm)	
Inlet/Outlet diameter		80 mm (3")		50 mm (2")	
Standard filtration degrees	Screen	500, 300, 200, 130, 100, 80, 50 micron			
	Disc	200, 130, 100 micron			
Max. operating pressure		10 bar (150 psi)			
Max. temperature range		60°C (140°F)			
Weight [empty]	Screen	1.35 kg (2.7 lb)	0.85 kg (1.9 lb)	1.2 kg (2.7 lb)	0.96 kg (2.1 lb)
	Disc	1.53 kg (3.2 lb)	0.96 kg (2.1 lb)	0.9 kg (2 lb)	1.06 kg (2.3 lb)

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

Filter Type		1½" Super	1½" Compact	1" Super	1" Compact	¾"
General data						
Max. flow rate*		15 m ³ /h (66 gpm)	7 m ³ /h (31 gpm)	6 m ³ /h (26 gpm)	4 m ³ /h (18 gpm)	
Inlet/Outlet diameter		40 mm (1½")	40 mm (1½")		20 mm (¾")	
Standard filtration degrees		Screen: 500, 300, 200, 130, 100, 80, 50 micron				
Max. operating pressure		10 bar (150 psi)				
Max. operating temperature		60°C (140°F)				
Weight [empty]		1.0 kg (2.2 lb)	0.76 kg (1.7 lb)	0.55 kg (1.2 lb)	0.30 kg (0.7 lb)	0.28 kg (0.6 lb)

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

Engineering Data

Filter Type		3" TDS	3" T /3"TL	2" T-Super	2" T
Filter Element Data					
Filtration area		Screen: 1,570 cm ² (243 in ²) Disc: 1,900 cm ² (294 in ²)	1,200 cm ² (186 in ²)		800 cm ² (124 in ²)
Filter element type		Weavewire stainless steel screen, disc element	Weavewire stainless steel screen, disc element		
Construction Materials					
Filter housing & Lid		Polypropylene	Reinforced polyamide		
Tightening nut		N/A	Reinforced polyamide		
Clamp		Reinforced polyamide	N/A		
Housing seal		EPDM	NBR		
Screen		Construction = polypropylene and st. st. 316 Seals = NBR			
Disc		Polypropylene	Construction = polypropylene Grooved discs = polypropylene seals = NBR		

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

Filter Type		1½" T-Super	1½" T	1" T-Super	1" T
Filter Element Data					
Filtration area		460 cm ² (71 in ²)		200 cm ² (31 in ²)	
Filter element type		Polyester screen, weavewire stainless steel screen, disc element			
Construction Materials					
Filter housing & Lid		Reinforced polyamide			
Housing seal		NBR			
Screen		Structure = polypropylene, Screen = stainless steel or polyester, Seal = NBR			
Disc		Construction = polypropylene grooved, Disc = polyethylene, Seal = NBR			

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

Filter Type		1½" Super	1½" Compact	1" Super	1" Compact	¾"
Filter Element Data						
Filtration area		460 cm ² (71 in ²)	200 cm ² (31 in ²)		140 cm ² (22 in ²)	
Filter element type		Screen = Polyester, weavewire stainless steel				
Construction Materials						
Filter housing & Lid		Reinforced polypropylene	POM	Reinforced polypropylene	POM	
Housing seal		NBR				
Screen		Structure = polypropylene, Screen = stainless steel or polyester, Seal = NBR				

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



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 **amiad** IRRIGATION

MASTERS OF FILTRATION

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