

# AMIAD PLASTIC FILTERS

For flow rates up to 50 m<sup>3</sup>/h

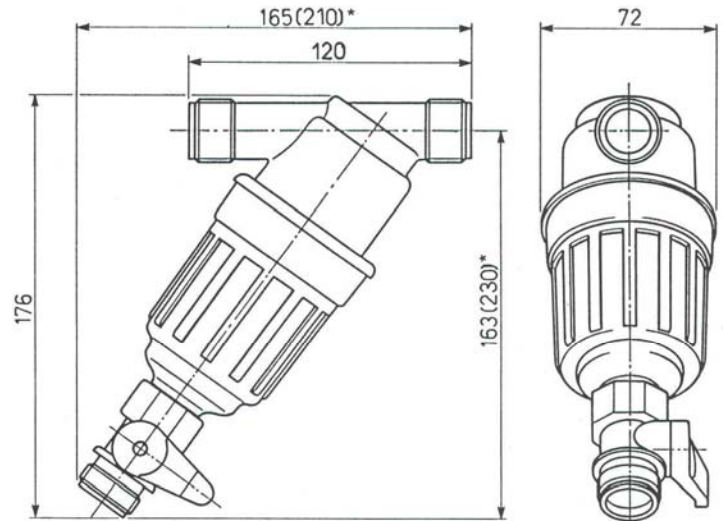


- High quality • Easy to maintain • Low pressure loss • No tools required •
- Wide range of flow rates • Multiple filtration degrees • Corrosion resistant •
- Various applications • Disc element or screen cylinder •
- Exclusive "TurboClean" / "Autoflush" / "Brushaway" / "Scanaway" •

Amiad Filtration Systems - Clear Solutions to Water Filtration Problems

## 3/4" filter

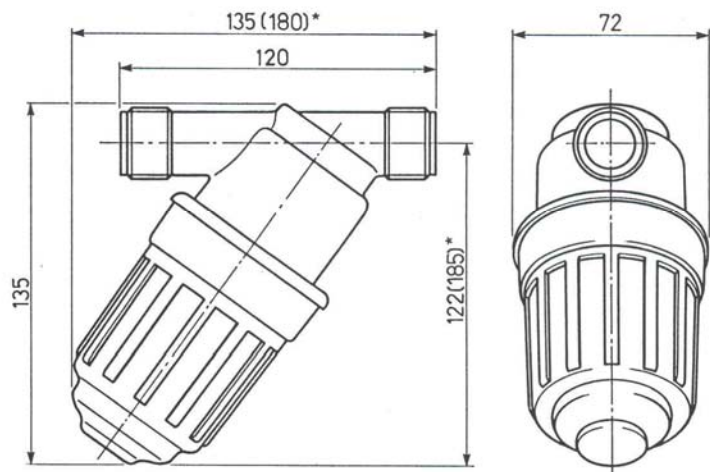
•  $\varnothing 20\text{mm}$  • flow rates up to  $3 \text{ m}^3/\text{h}$  • screen



\*Distance required to open the filter

## 3/4" filter

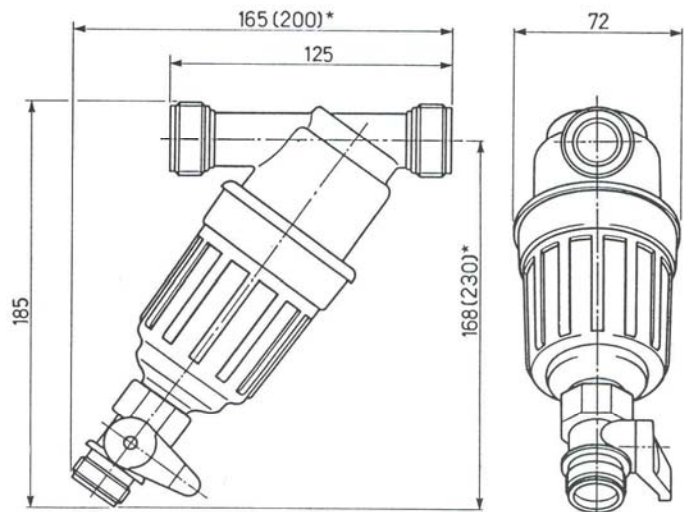
• chemical resistant •  $\varnothing 20\text{mm}$  • flow rates up to  $3 \text{ m}^3/\text{h}$  • screen



\*Distance required to open the filter

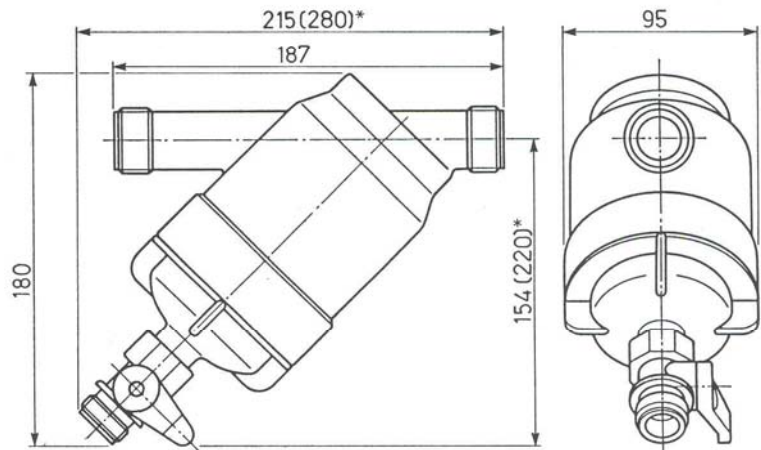
## 1"-Compact filter

•  $\varnothing 25\text{mm}$  • flow rates up to  $5 \text{ m}^3/\text{h}$  • screen



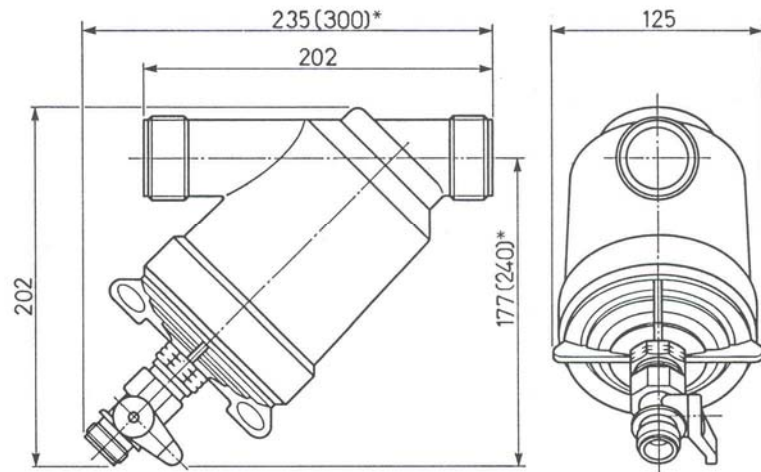
\*Distance required to open the filter

**1"-Super filter** •  $\varnothing 25\text{mm}$  • flow rates up to  $7\text{ m}^3/\text{h}$  • screen, disc, turboclean



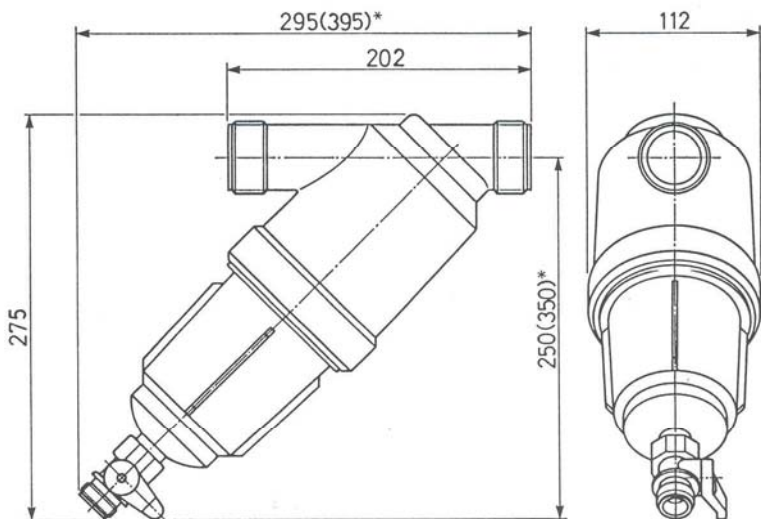
\*Distance required to open the filter

**1 1/2"-Compact filter** •  $\varnothing 40\text{mm}$  • flow rates up to  $15\text{ m}^3/\text{h}$  • screen, disc



\*Distance required to open the filter

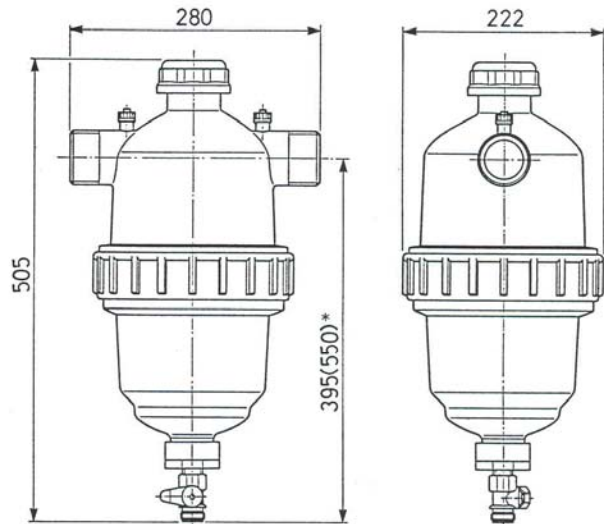
**1 1/2"-Super filter** •  $\varnothing 40\text{mm}$  • flow rates up to  $15\text{ m}^3/\text{h}$  • screen, disc, turboclean



\*Distance required to open the filter

## 2" T filter

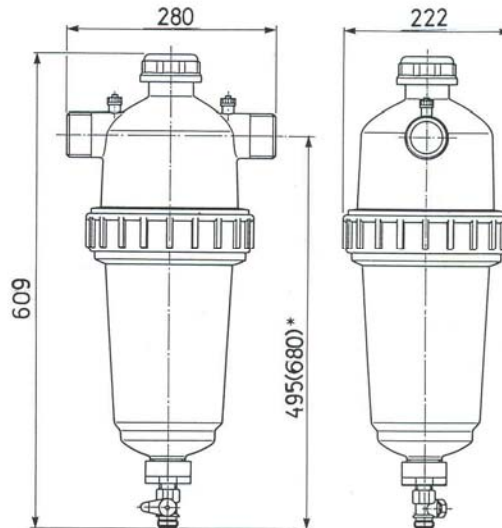
•  $\varnothing 50\text{mm}$  • flow rates up to  $25\text{ m}^3/\text{h}$  • screen, disc, turboclean



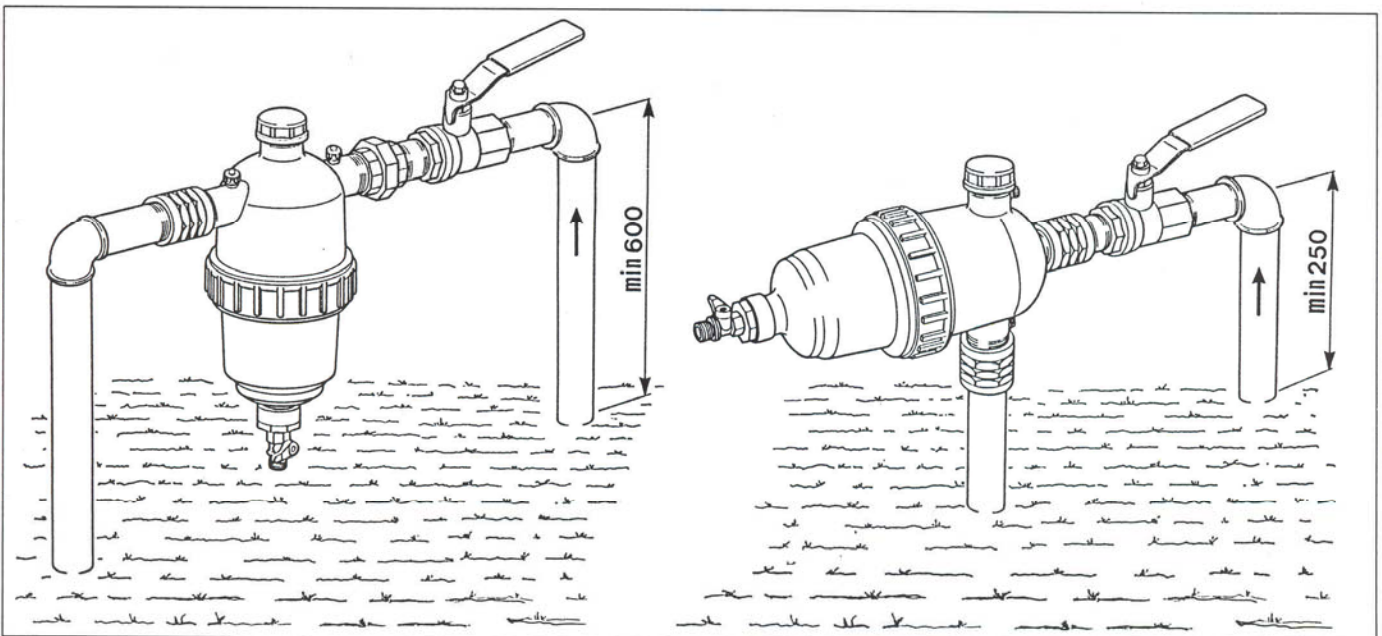
\*Distance required to open the filter

## 2" T-Super filter

•  $\varnothing 50\text{mm}$  • flow rates up to  $25\text{ m}^3/\text{h}$  • screen, disc, turboclean



\*Distance required to open the filter

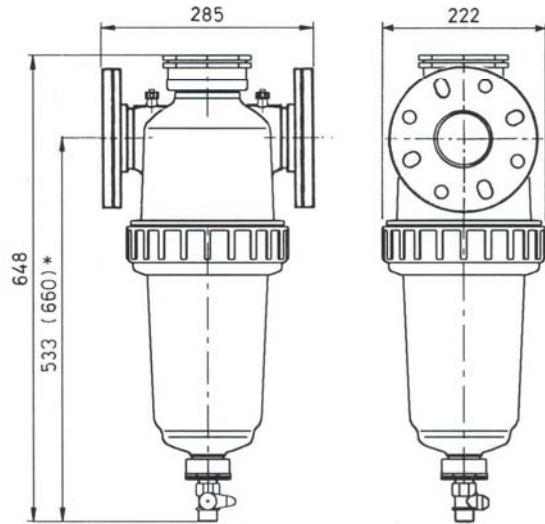


## 3''T filter

•  $\varnothing 80\text{mm}$  • flow rates up to  $50\text{ m}^3/\text{h}$  • screen, disc, turboclean



Cat. No. 01-302

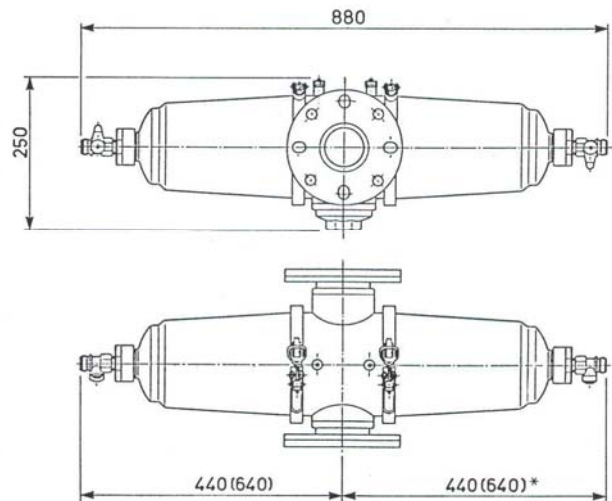


\*Distance required to open the filter

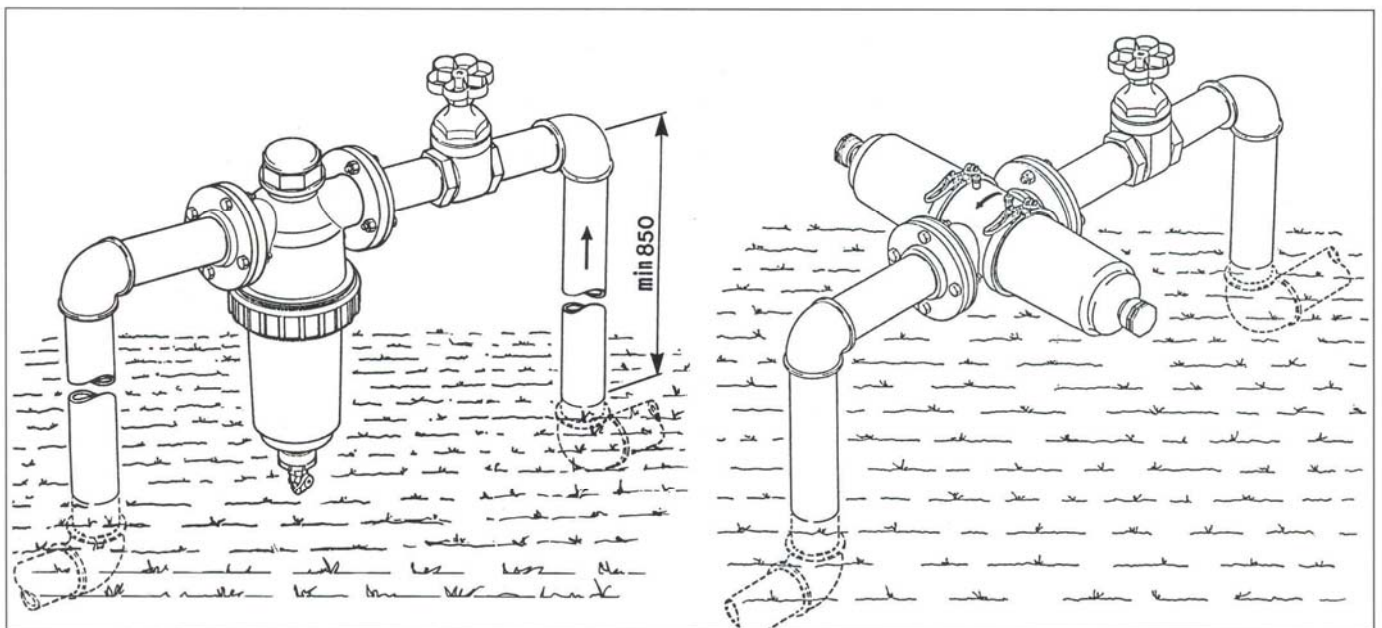
## 3''LT-Super filter • $\varnothing 80\text{mm}$ • flow rates up to $50\text{ m}^3/\text{h}$ • screen, disc, turboclean



Cat. No. 01-303



\*Distance required to open the filter



# Technical specifications

Filter type	Cat. No.	In/Out Ø [mm]	Max. Flow [m³/h]	Max. Pressure [bar]	Max. Temp. [°C]	Filter Area [cm²]		Weight [kg]	
						Screen	Disc	Screen	Disc
3/4"	01-07	20	3	10	60	110	-	0.28	-
1"-C	01-10	25	5	10	60	110	-	0.28	-
1"-S	01-12	25	7	10	60	170	200	0.52	0.63
1 1/2"-C	01-15	40	15	10	60	170	200	0.76	0.86
1 1/2"-S	01-16	40	15	10	60	340	460	1.0	1.2
2"T	01-20	50	25	10	60	465	790	3.6	4.4
2"T-S	01-22	50	25	10	60	700	1185	4.2	5.4
3"TL	01-302	80	50	10	60	700	1185	4.5	5.7
3"LT-S	01-303	80	50	10	60	930	1580	9.2	11

\* The Super feature allows longer intervals between cleaning, and highly recommended for use with poor water quality.

## Construction materials

Part	3/4"	3/4"	1"-C	1"-S	1 1/2"-C	1 1/2"-S	2"T	2"T-S	3"TL	3"LT-S
Colour	Black	Green	Blue	Black	Black	Black	Black	Black	Black	Black
Housing	POM	PP	PBT	POM	POM	POM	PA+GF	PA+GF	PA+GF	POM
Lid	POM	PP	PBT	POM	POM	POM	PA+GF	PA+GF	PA+GF	PA+GF
Housing seal	NBR	NBR	VITON	NBR	NBR	NBR	NBR	NBR	NBR	NBR
Nut/Clamp	-	-	-	-	-	-	PA+GF	PA+GF	PA+GF	ST.ST.
Screen Cylinder	Construction	PP	PP	PP	PP	PP	PC	PC	PC	PC
	Mesh	ST.ST. PES	ST.ST. PES	ST.ST. PES	ST.ST. PES	ST.ST. PES	ST.ST.	ST.ST.	ST.ST.	ST.ST.
	Seals	NBR	NBR	VITON	NBR	NBR	NBR	NBR	NBR	NBR
Disc element	Construction	-	-	-	PP	PP	PE	PE	PE	PE
	Grooved discs	-	-	-	PE	PE	PE	PE	PE	PE
	Seals	-	-	-	NBR	NBR	NBR	NBR	NBR	NBR

GF = Glass Fibres

PBT = Polybutylene

PES = Polyester

ST.ST. = Stainless Steel 316

NBR = Nitrile Rubber

PC = Polycarbonate

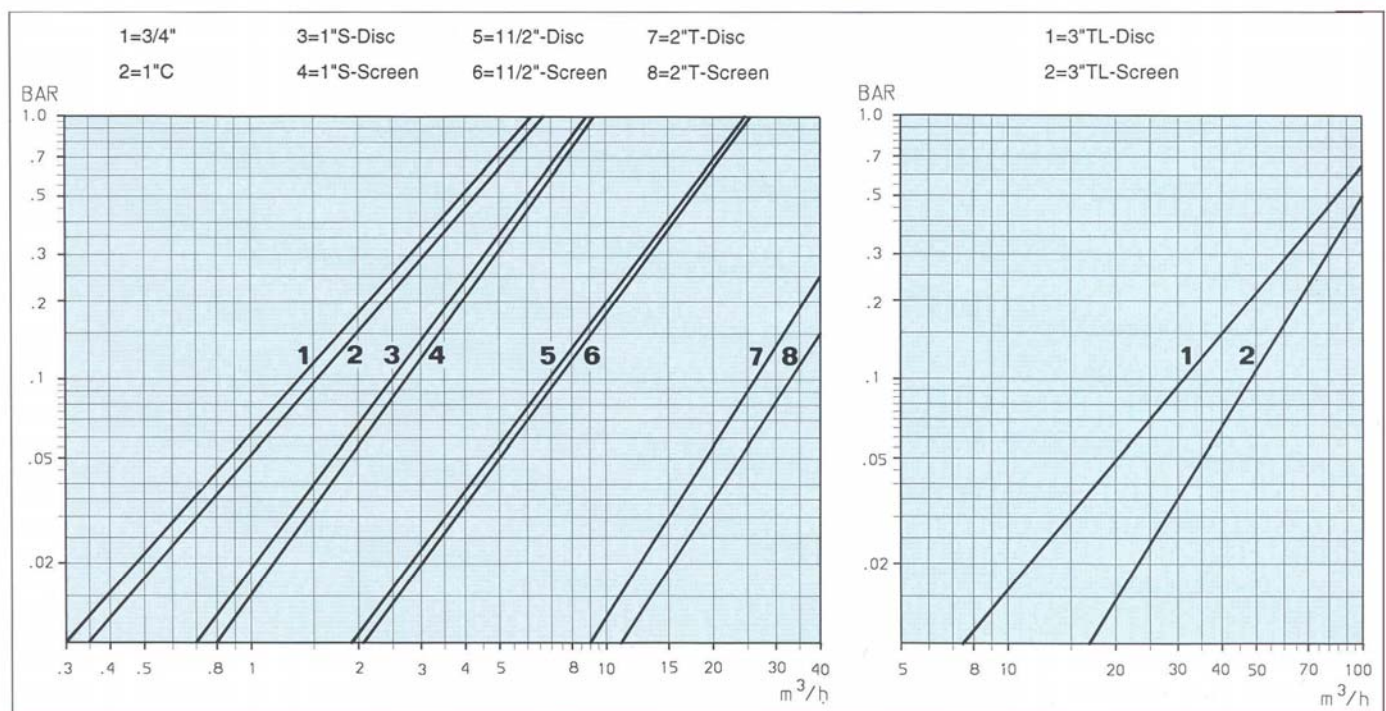
POM = Polyacetal

PA = Polyamid

PE = Polyethylene

PP = Polypropylene

## Head loss graphs



# Filtration elements

## Weavewire screen cylinders

These elements consist of moulded plastic construction with inserted mesh sleeve made of polyester or of stainless steel, with different filtration degrees (see below).

The direction of flow in these elements is from inside out along the element. Therefore inorganic suspended solids are accumulated mainly at the lower end of the element, where they can be removed by means of a drain valve. These elements are specially suitable for the separating of inorganic particles and have a very low pressure loss. Suitable for a wide range of applications.

The different filtration degrees are colour-coded. The cylinder incorporates two O-rings to ensure perfect sealing inside the filter housing. Also available for coarse filtration, a range of Perforated stainless steel cylinders for 2" and 3" filters.

## Grooved discs elements

These elements consist of a stack of thin plastic discs which are piled together around a telescopic core. Both sides of the discs are grooved and the grooves cross each other when piled up and tightened together. The disc element allows in-depth filtration and has high retention capacity of particles. The flow is out-in.

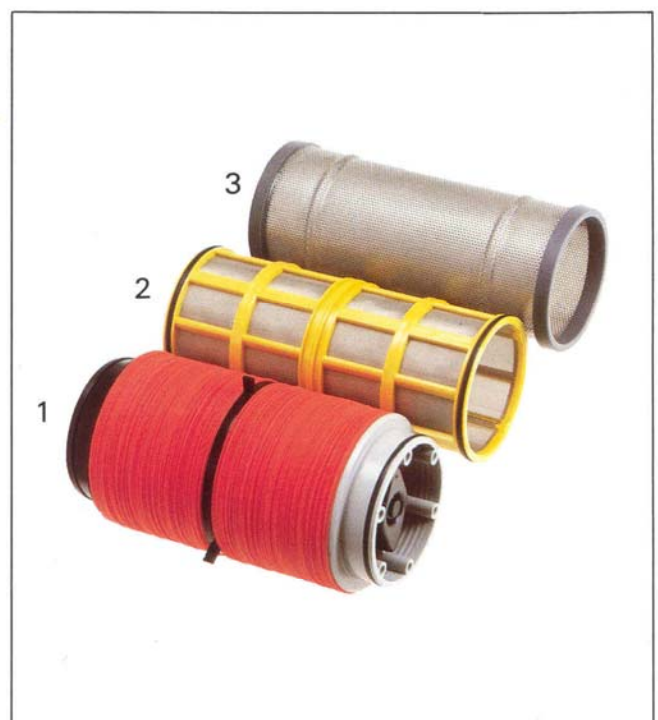
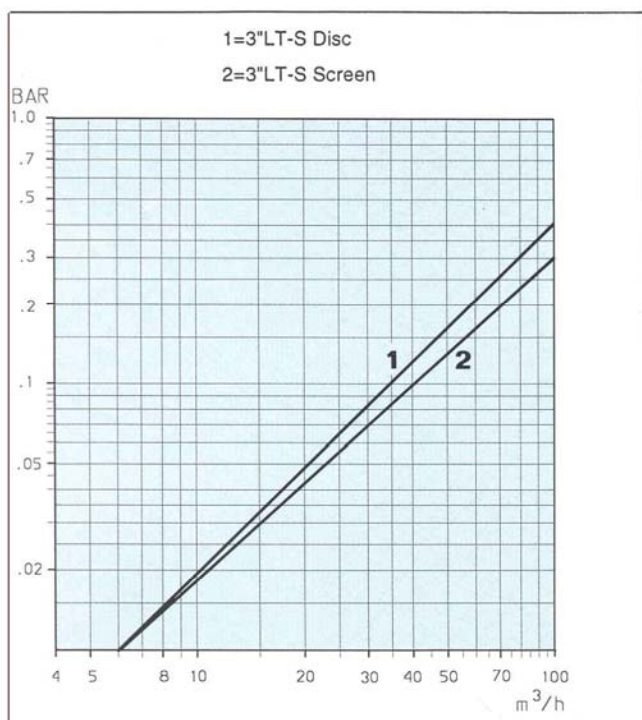
The filtration is affected in two stages; the larger outer surface operates as a screen filter and collects the larger particles. The grooves inside the disc allow the adhesion of the fine particles, mainly organic matter.

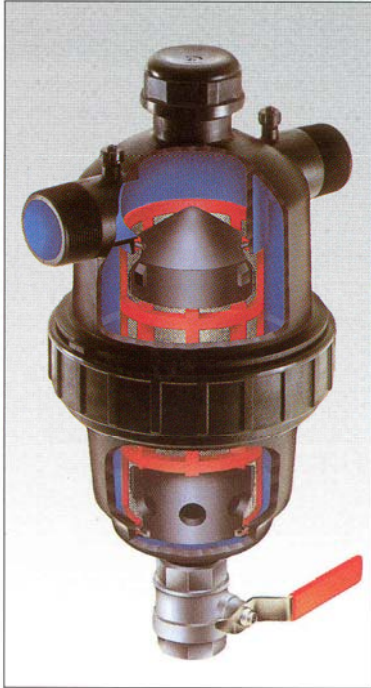
The disc element can be cleaned easily. When opening the core the discs are released and can be rinsed under running water.

Two O-rings allow perfect sealing inside the filter housing.

## Filtration degrees available

Type	Disc Element (1)					Weavewire Screen (2)										Perforated Screen (3)			
	Green	Yellow	Red	Purple	Brown	Brown	Orange	Black	Yellow	Red	White	Blue	Green	Gray					
Micron	25	100	130	180	250	22	50	80	100	130	200	300	500	800	800	1500	2500	3500	
Mesh	450	155	120	80	60	450	300	200	155	120	75	50	30	20	20	10	6	4	
3/4"						•	•	•	•	•	•	•	•	•					
1"-C						•	•	•	•	•	•	•	•	•					
1"-S	•	•	•		•	•	•	•	•	•	•	•	•	•					
1 1/2"-C	•	•	•		•	•	•	•	•	•	•	•	•	•					
1 1/2"-S	•	•	•		•	•	•	•	•	•	•	•	•	•					
2"T		•	•	•	•		•	•	•	•	•	•	•		•	•	•	•	
2"T-S		•	•	•	•		•	•	•	•	•	•	•		•	•	•	•	
3"TL		•	•	•	•		•	•	•	•	•	•	•		•	•	•	•	
3"LT-S		•	•	•	•		•	•	•	•	•	•	•		•	•	•	•	





## TURBOCLEAN

The revolutionary solution for non-stop filtration: A static hydrodynamic device, creates high velocity along the screen, thus prevents particles from remaining on the screen. Periodic opening of the drain port will release the dirt from the debris area without having to open the filter for cleaning.

Available for filters from 1" to 3".

## AUTOFLUSH

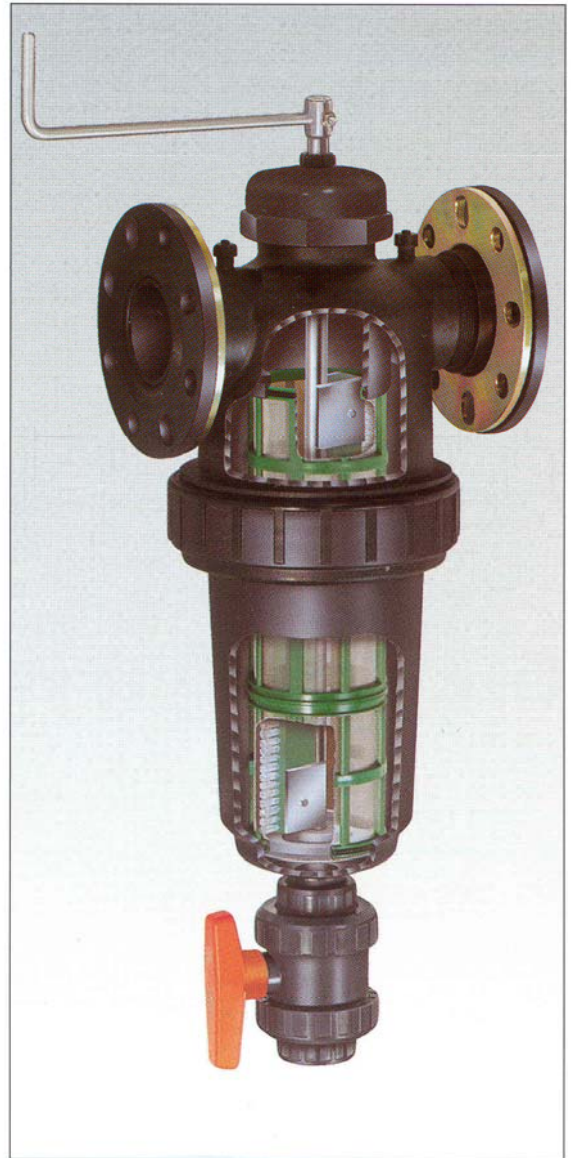
Automatic flushing of Turboclean filters: The Autoflush is supplied with a hydraulic flushing valve that opens automatically by means of an electronic timer. The timer determines flushing duration and intervals.

For details refer to individual product brochures.



## SCANAWAY

The SCANAWAY assembly for 2", 3" T filters, consists of a hollow pipe with suction nozzles facing the inner side of the screen. Opening the exhaust valve at the filter lid creates low pressure conditions, which cause the scanner nozzles to suck-in the dirt from the screen surface and expel the dislodged particles out through the valve. A simple turn-of-a-handle causes the scanner to rotate and scan the whole screen surface.



## BRUSHAWAY

A quick and efficient cleaning of manual filters - the unit consists of nylon brushes fitted on a frame and inserted into the filter screen. A simple handle, outside the filter, allows to brush away particles from the screen surface, and to expel them out from the filter. Brushing is done during the filtering process without having to stop the water supply.



## amiad filtration systems

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AMIAD products undergo constant monitoring for quality control. The manufacturer reserves the right to incorporate changes and improvements in the product without prior notice.

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