

SEMI-AUTOMATIC FILTERS



Quick and efficient way for cleaning manual filters



INDUSTRY

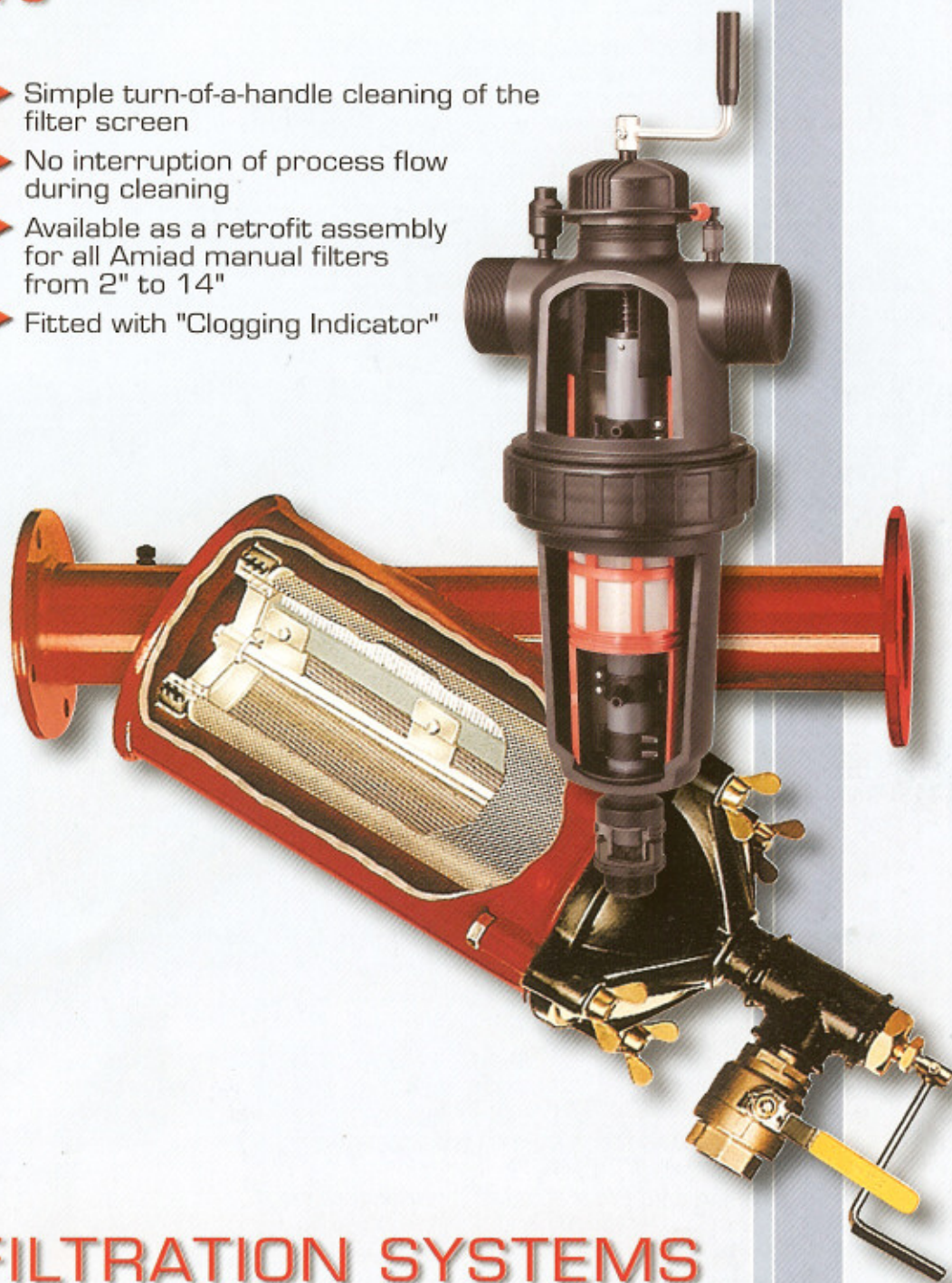


IRRIGATION



MUNICIPAL

- ▶ Simple turn-of-a-handle cleaning of the filter screen
- ▶ No interruption of process flow during cleaning
- ▶ Available as a retrofit assembly for all Amiad manual filters from 2" to 14"
- ▶ Fitted with "Clogging Indicator"



AMIAD FILTRATION SYSTEMS

SEMI-AUTOMATIC FILTERS

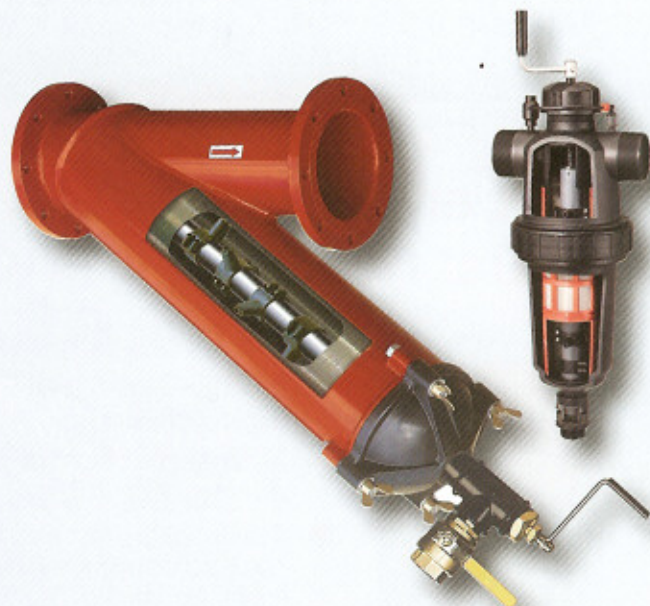
How do the "SCANAWAY" filters work?

The SCANAWAY assembly consists of a suction scanner, which is a hollow pipe with suction nozzles that are situated close to the inner side of the screen. This hollow pipe feeds to the exhaust valve. The suction scanner is connected to the handle on the outside of the filter.

When the handle is turned, the suction scanner is rotated in a spiral pattern so that the nozzles cover 100% of the screen.

Opening the exhaust valve creates pressure differential forces which will cause water to flow back through the screen and into the nozzles, removing the particles lodged on the screen in front of the nozzle and expelling the dislodged particles out through the valve.

Scanning is completed during the filtering process without having to interrupt the water supply.

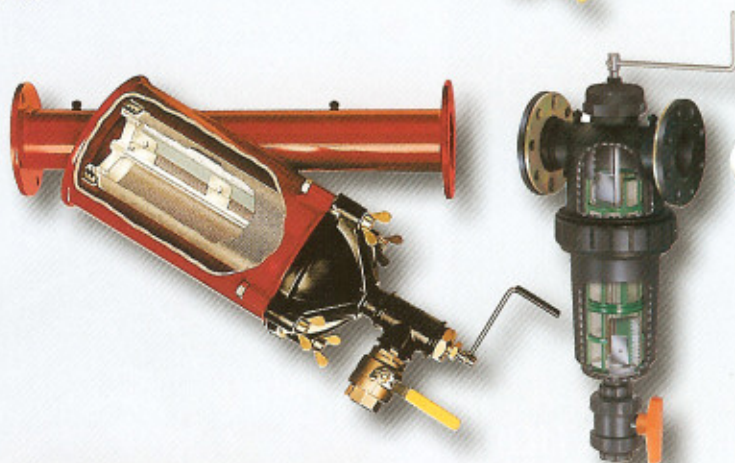


How do the "BRUSHAWAY" filters work?

The BRUSHAWAY assembly consists of nylon brushes fitted on a frame and inserted inside of the filter screen. The brush frame is connected to a handle on the outside of the filter.

When the handle is turned, the brushes remove particles from the screen surface and suspend them in the water inside of the filter. Opening the exhaust valve creates pressure differential forces which drive the water out of the filter body, expelling the suspended particles.

Brushing is completed during the filtering process without having to interrupt the water supply.



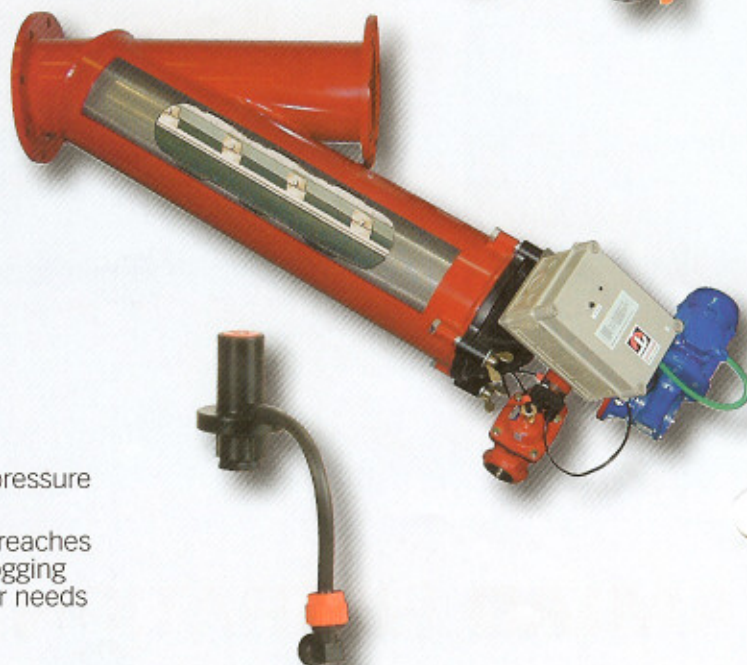
The "MBA"

Motorized Brushaway Assembly Kit

The "MBA" is an assembly kit that converts the semi-automatic "BRUSHAWAY" filter to an automatically cleaned unit.

The kit includes an exhaust valve, motor and a controller that causes the filter to clean itself according to time.

The kit is available in 3 phase, 1 phase or 12V DC, and available for "BRUSHAWAY" filters from 4"-Super to 14".



The "CLOGGING INDICATOR"

The "Clogging Indicator" is mounted on the filter pressure check point.

When the pressure differential across the screen reaches a pre-set value of 0.5 bar the red button in the clogging indicator pops-up to visually indicate that the filter needs cleaning.

TECHNICAL SPECIFICATIONS

Plastic filters	2"T	2"T-Super	3"T
Max. flow rate [gpm]	110	110	220
Filter area [in ²]	72	108	108
Weight (Av.) [lb]	11.3	13	13.9

Steel filters	2" In-line	3" In-line	4"L	4"S	6"C	6"S	8"	10"	12"	14"
Max. flow rate [gpm]	110	220	352	352	704	704	1 320	2 200	2 860	4 400
Filter area [in ²]	72	144	144	425	425	887	887	1 774	2 660	3 547
Weight (Av.) [lb]	22	35.3	44	93.5	104.5	134.5	154.5	441	651	850

- Maximum working pressure: 150 psi
- With SCANAWAY - Minimum pressure for cleaning: 30 psi
- For additional technical information including pressure loss graphs and construction materials please see the AMIAD Plastic Filters brochure and Steel Filters brochure.

Filtration degrees available

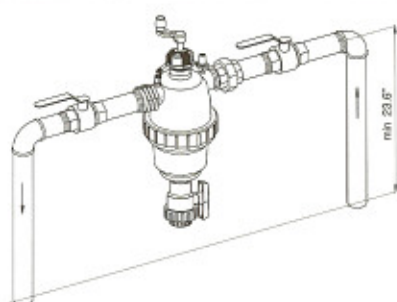
BRUSHAWAY	Perforated stainless steel *			Molded stainless steel			
micron	3 500	2 500	1 500	800	500	300	200
mm	3.5	2.5	1.5	0.8	0.5	0.3	0.2
mesh	4	6	10	20	30	50	75

SCANAWAY	Molded stainless steel						
micron	500	300	200	130	100	80	50
mm	0.5	0.3	0.2	0.13	0.1	0.08	0.05
mesh	30	50	75	120	155	200	300

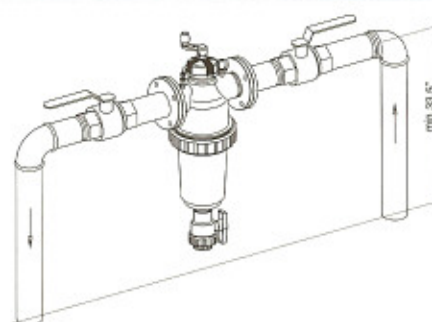
* With 4"-Super - 14" Steel filters only

Suggested Installations

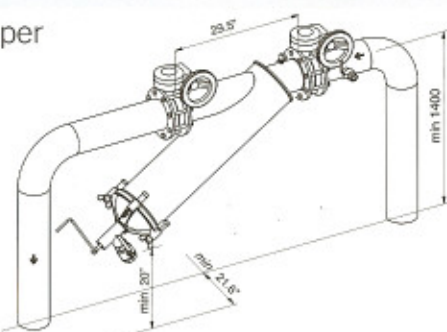
2"T



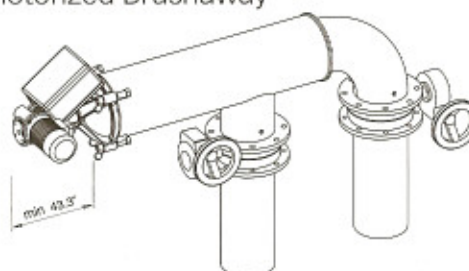
3"T



6"-Super



6" Motorized Brushaway





In an increasingly crowded world, the need for clean water concerns everyone involved in sustaining our quality of life. Society and economy cannot exist without water; Because water is life.

For more than 40 years, Amiad has helped meet this need by developing a comprehensive line of exceptionally efficient, automatic self-cleaning filters and manual filters for use in industry, municipalities, and irrigation. Amiad provides solutions in more than 66 countries, with seven subsidiaries and sales offices. Amiad's pledge to the filtration industry is to continue providing innovative and dependable systems, quality service and reliable customer support.

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