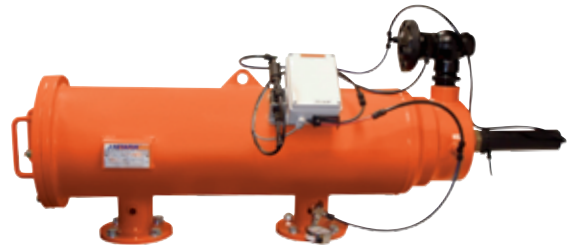




AF800

AUTOMATIC HYDRAULIC SCREEN FILTERS



APPLICATIONS

Automatic primary filter.

STANDARD CHARACTERISTICS

- Filter element: Stainless Steel screen AISI 316 mesh, 3 layer
- Available filtration: 10 to 3000 micron
- Filter housing material of construction: Carbon Steel ST372
- Pre-treatment: sand blasting up to Sa 2.5 grade
- Two layered coating process consisting of a one primary coating Rich Zinc (60 - 70µm thickness) and a final protective coating of Phenolic Epoxy (70 - 80µm thickness)
- Connections: Victaulic or Flanged
- Maximum recommended working pressure: up to 10 Bar (145 psi)
- Minimum operating working pressure during flushing: 2 Bar (29 psi)
- Equipped with an electronic control system (6V DC, 12 V DC, 24V AC)

OPERATION

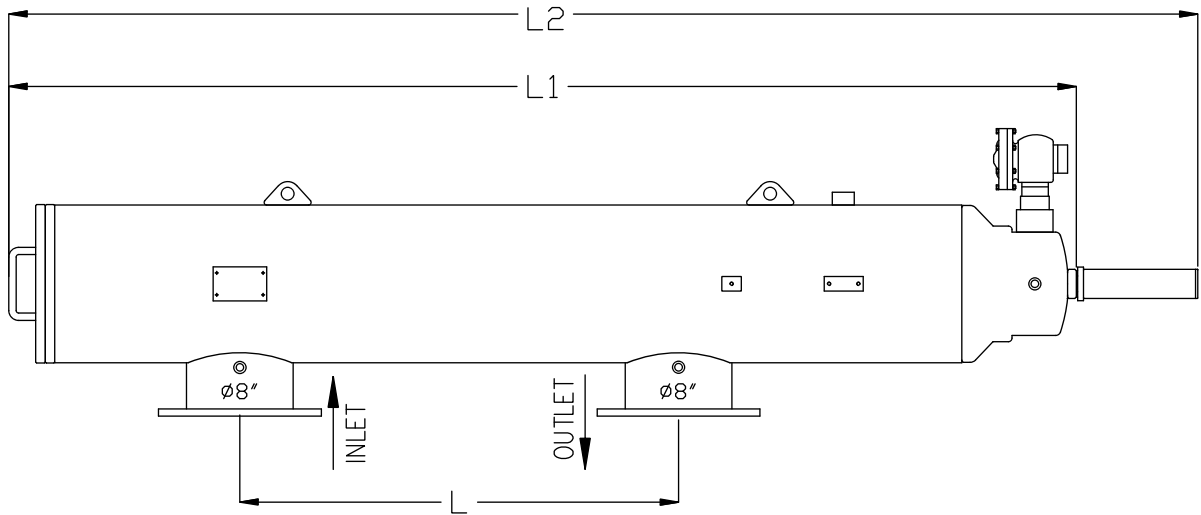
The filter is equipped with a coarse screen that protects the finer screen from stones and larger particles. The coarse screen can be periodically clean manually. Automatic flushing of the fine screen is activated once the pressure differential (ΔP) in the filter reaches pre-determined value (up to 0.5 bar).

During the flushing cycle the flushing valve opens pressure is released from the hydraulic piston and debris laden water is discharged through the flushing valve. Pressure in the hydraulic motor chamber and the dirt collector is significantly lowered causing the dirt collector nozzles move along and rotate thus cleaning the whole internal screen surface.

The flushing cycle takes 5 to 13 seconds. The flushing valve closes at the end of the cycle pressure is reapplied to the piston, moving the nozzles back to their rest position and the filter is cleaned. During the whole process water supply is uninterrupted.

MODEL	IN/OUTLET DIAMETER	MAX FLOW	FILTRATION		FLUSHING FLOW	H	L	L1	L2	WEIGHT
			SURFACE	EFFECTIVE AREA						
	INCH	M ³ /HR	CM ²	CM ²	M ³ /HR	MM	MM	MM	MM	KG
AF803	3	50	3,220	2,350	30	545	450	1,139	1,386	110
AF804	3	80	5,780	4,530	30	545	900	1,535	1,782	135
AF804L	4	100	8,410	6,795	30	545	900	1,931	2,178	154
AF806	6	150	5,780	4,530	30	580	900	1,605	1,851	147
AF806L	6	160	8,410	6,795	30	555	900	2,001	2,247	157
AF808	8	250	5,780	4,530	30	579	900	1,795	2,041	168
AF808L	8	300	8,410	6,795	30	579	900	2,190	2,437	187
AF810	10	350	8,410	6,795	60	595	900	2,194	2,437	316
AF810L	10	400	8,410	6,795	60	700	1,100	1,960	2,405	212
AF810XLP	10	450	11,710	9,556	90	720	1,100	2,700	3,145	405
AF812	12	600	11,710	9,556	90	720	1,100	2,700	3,145	410
AF814	14	900	12,990	10,659	90	770	1,270	2,700	3,145	482
AF816	16	1,100	12,990	10,659	90	770	1,270	2,700	3,145	500
AF816XLP	16	1,500	17,020	13,930	90	925	1,270	2,705	3,150	695

Maximum recommended Flow Rate - 120 micron in good quality water.



PRESSURE LOSS AT 120 MICRON

