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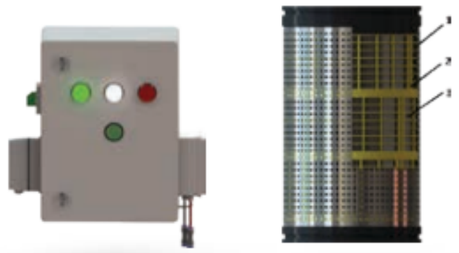
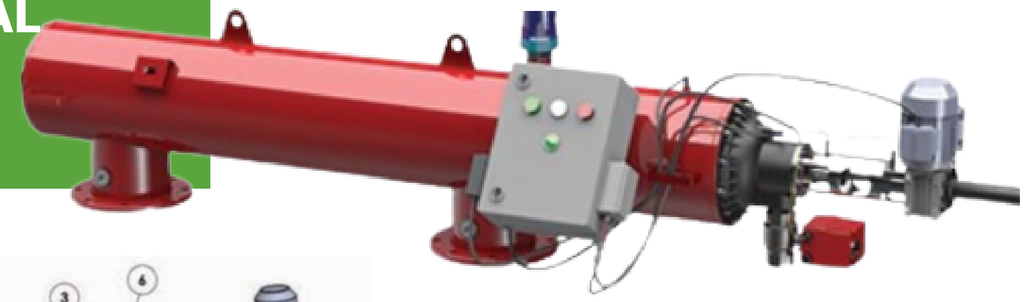
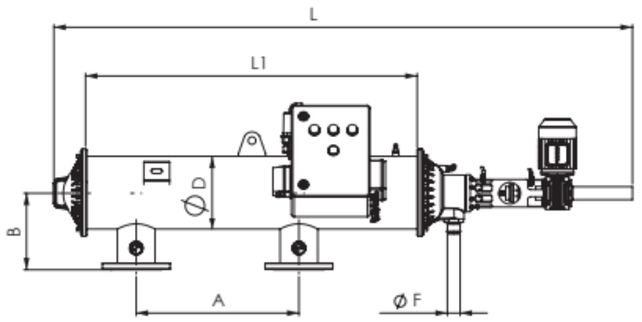
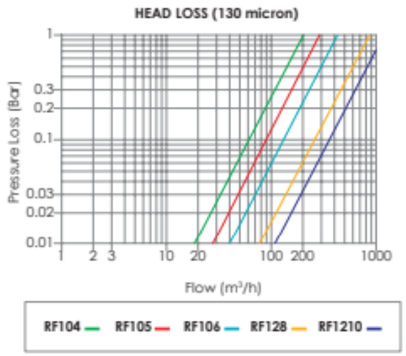
AUTOMATIC SELF CLEANING SCREEN FILTER, MOTOR REDUCER HORIZONTAL



1 - Protector coarse screen SS304L
2 - Molded plastic rib (PA6)
3 - The main filtering screen







Inlet/Outlet		A	B	L1	L	D	F	Drain Flow Rate		Main Flow Rate		Filration Area
inch	DN	mm				inch		L/S	Usgpm	m³/h	Usgpm	cm²
4	100	500	287	920	1770	10	2	3,3	53	120	528	2634
4	100	600	287	1120	1970	10	2	5	79	140	616	3951
5	125	600	287	1120	1970	10	2	5	79	150	660	3951
5	125	900	287	1430	2285	10	2	6,7	105	160	704	5268
6	150	900	287	1430	2285	10	2	6,7	105	180	792	5268
6	150	1100	312	1972	2825	12	2	10	158	220	968	7902
8	200	1100	312	1972	2825	12	2	10	158	320	1408	7902
10	250	1100	312	1972	2825	12	2	10	158	380	1672	7902

GENERAL CHARACTERISTICS

Body Material: S195T / SS 316L / SS 304 L
Screen Material: SS 304L, PA6GFR30
Maximum Working Pressure: 10 Bar (145 PSI) Minimum Working Pressure: 1 Bar (15 PSI)
Maximum Working Temperature : 60 °C (140 °F) Back Flush
Operation Criteria: Time and / or Pressure Differential
Back Flush Controlling Unit : Electronic (AC) Control Filtration
Degree: 20-2000 micron (µ)
Painting Method: Electrostratic Powder Coating
Painting Material: Epoxy Polyester

Working principle

The suspensive solid matters available in the dirty water and liquids come into the coarse screen (2) passing through (1) the inlet collector and then into the multi-layer fine screen. The solid matters are kept into the (3) fine screen, the clean water which flows out of the multi-layer screen is served up to use through the (12) outlet collector. At the end of this continuous process, a solid matter layer will form in the multi-layer screen. Hence, a pressure difference is created naturally between the inlet collector and outlet collector. The signals created by this pressure difference vacuum the solid matters which are accumulated on the interior membrane of the multi-layer fine filter by programming via electronic vacuuming process-electronic: The lid covering the drainage outlet is opened by means of a signal sent to the solenoid valve detecting the pressure by DP in the electronic controller (13). A current is formed towards the atmosphere pressure in the filter following the Solenoid valve (8) opening. The controller (11) drives the motor (9), at the same time, and therefore solid matters on the interior membrane of the multi-layer filter are thrown out moving the vacuuming pipe and therefore the nozzles with linear and rotary motion by vacuuming.