

SELF CLEANING FILTER SS – HOUSING

PRODUCT INTRODUCTION & WORKING PRINCIPLE

EUROFIL is an ISO 9001:2015 certified manufacturer and distributor of world-class filtration, purification, adsorption, and separation solutions. With Innovation at the core,” EUROFIL” has developed a self-cleaning filter, designed to handle large flows, higher pressures & heavy dirt loads. It cleans itself automatically either by sensing pressure drop across the filter, or by timer, whichever occurs earlier. Dirt collected is ejected out automatically with little fluid. Shell of the filter is fabricated in MS & SS is designed to handle working pressure of filter. Filter elements are SS304 wedge-wire screen candles, mounted vertically with their bottom ends open to dirty fluid & top ends closed. All candles are exposed to flow of dirty fluid, except one. Dirt is collected inside the candles.

APPLICATIONS

- Raw water treatment
- Waste water treatment
- Electroplating
- General industrial applications

FEATURES AND BENEFITS

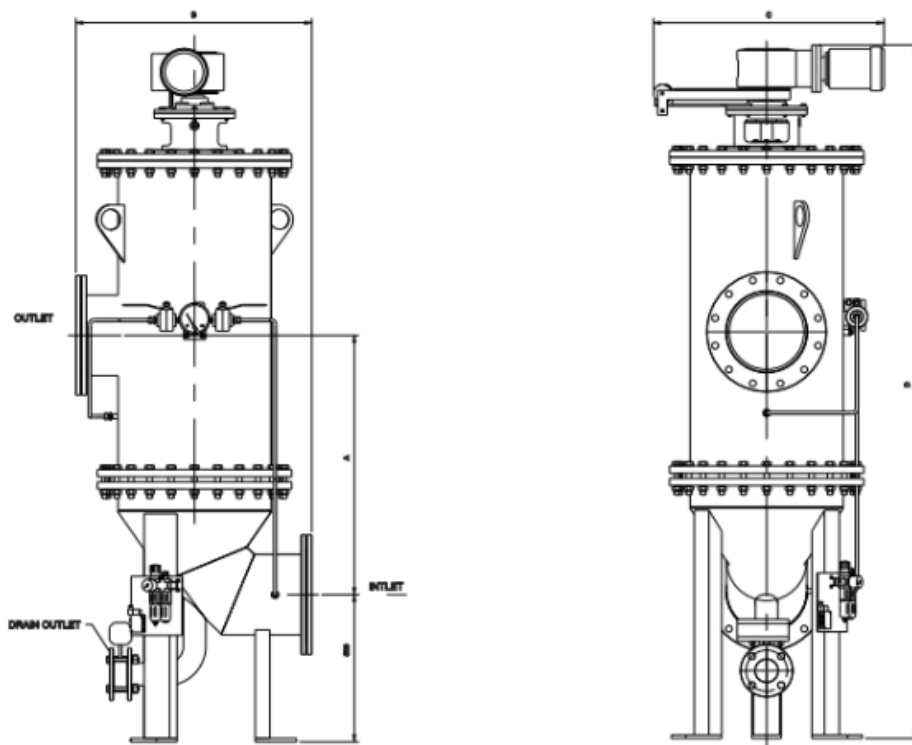
- Each housing we offer undergoes hydrostatic leak and burst pressure tests to ensure safe and consistent operation.
- Lower pressure drop at higher flow rate, larger connections, air venting provision, robust knife-edge, zero bypass and leak proof sealing.
- Clamp closure for easy opening and quick change outs.
- Sealed with top-seated Buna-N/Silicon/Viton ‘O’ ring by positive tangential contact that eliminates accidental misplacement.
- Smooth surface to avoid retention of contaminants on the surface of the housings.



SPECIFICATIONS

Materials	Housing	SS 304, SS 316, SS 316L, Duplex SS 2205, Duplex SS 2507, CS, MS, CSRL, MSRL
	Clamp or Swing Bolt	304
	O-ring	Silicon, FKM, EPDM, PTFE, Other on request
Design Code	ASME Section VIII Division-1, GEP (Good Engineering Practice), UM-stamp, U-stamp, PED 97/23/EC, CE marking	
Surface Finish	Interior/exterior	Matt finish, Mirror finish, Electro Polish (Optional)
Connections	Inlet/outlet	BSP, NPT, DIN Flange, ASA 150# Flange, BS-10 Table 'D' / 'E' / 'F' Flange , Tri-clover (1/2", 3/4", 1" , 1 1/2" , 2" , 2 1/2" , 3" , 4" , 5" , 6" , 8" , 10" , 12")*
	Vent	NPT (1/2", 3/4", 1"), BSP(1/2", 3/4", 1") , Tri-clover (1/2", 1")
	Drain	NPT (1/2", 3/4", 1"), BSP(1/2", 3/4", 1") , Tri-clover (1/2", 1")
Maximum Operating Pressure	10 bar, 150 PSI	
Maximum Operating Temperature	65°C (149°F)	

GA DRAWING



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