



description

Suction filter is designed to protect the pumps from debris and foreign matters. It is generally used in water sources containing algae, debris, and other heavy wastes. It is connected to pump suction and submerged into water (river, lake, reservoir, etc.)

operation principle

Water sucked by the pump passes through the strainer and debris is kept outside by the stainless steel screen. Rotating nozzles are fed with water taken from the pump exit. Water jets sprayed from the nozzles blow away the debris collected on the outer surface of the screen and thus the filter is cleaned.

Thus the pump is protected against clogging and failures. Pump efficiency increases and maintenance costs decrease.

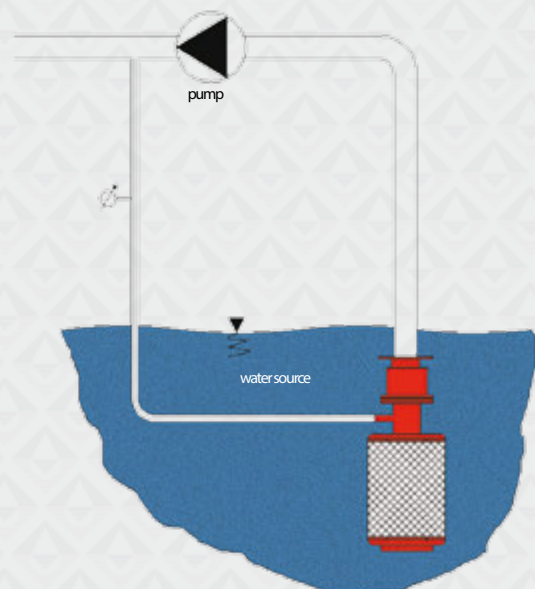
- Minimum working pressure: 1.5 bar (22 psi)
- Suggested working pressure: 3-4 bar
- By-pass flow rate : 4 m³/h (3"-4")
- Electrostatic coated body
- Rotating Nozzles
- Flange type Connection
- Electrostatic applied and oven-cured zinc-phosphate coating for anti-corrosion protection
- Available models: 4", 6", 8"

specifications

- Protection of pumps
- Low head loss
- Automatic self-cleaning system
- Uninterrupted filtration during automatic self-cleaning
- Low maintenance costs

applications

- Agricultural applications





suction filter

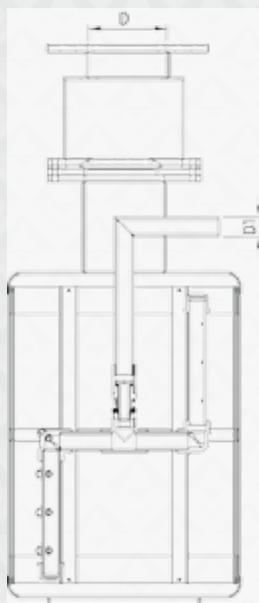


material list

Part No	Part Name
1	Screen and body
2	Nozzle mechanism
3	Upper cover
4	Check valve
5	Connection head
6	Lower cover

material list

Filter Model Code	SF-4	SF-6	SF-8
Max. Flow Rate	75 m ³ /h	120 m ³ /h	160 m ³ /h
Inlet-Outlet Diameter	4"	6"	8"
Standard Filtration Degree	460 micron 40 mesh	460 micron 40 mesh	460 micron 40 mesh
Min. Working Pressure	1,5 bar	1,5 bar	1,5 bar
Max. Working Pressure	10 bar	10 bar	10 bar
Max. Working Temperature	60	60 °C	60 °C
Filtration Area	1400 mm ²	1800 mm ²	2000 mm ²



dimensions

Flow Rate	Inlet Connection Flanged (D)	Return Line Connection (D1)
m ³ /hr	inch	inch
75	4"	1"
120	6"	1"
180	8"	1"

sample order form

Model	Connection Size	Connection Type	Screen Degree
SF-4	4"	Flanged (F)	460 Micron
SF-6	6"	Flanged (F)	460 Micron