

New

Super Brush-Cleaning Filters

Automatic Screen Filter with Brush Self-cleaning Technology

The SBF Self-Cleaning brush Filters by Automat are engineered for efficient primary filtration, featuring a robust design that ensures reliable performance in demanding conditions. Utilizing innovative brush technology, these filters provide automated cleaning, minimizing maintenance and ensuring continuous operation.



HIGHLIGHTS

- **Advanced Cleaning Mechanism:** Incorporates Automat's innovative brush technology for aggressive self-cleaning action.
- **Heavy-Duty Design:** Built to withstand heavy workload and reduce maintenance requirements
- **Multiple Large Filtration Units:** Deliver unlimited options to address any flow rates.
- **Continuous Operation:** Provides rapid automatic cleaning without disrupting water flow.
- **Control:** Advance control allows for constant monitoring of filters system operation as well as options to connect to central control systems.

APPLICATIONS

- Irrigation Systems, Industrial Filtration addressing primary, process and wastewater, Municipal wastewater.



Technical Data

Filter Model	SBF	SBF	SBF	SBF	SBF
	3000	6000	10000	15000	20000
General Data					
Maximum flow rate*	150 m³/h	700 m³/h	1,000 m³/h	1,800 m³/h	2,500 m³/h
Inlet / Outlet diameter	3"-6"	8"-14"	8"-16"	14"-20"	16"-24"
	80-150 mm	200-350 mm	200-400 mm	350-500 mm	400-600 mm
Standard filtration degrees	Perforated screen- 3500, 2500, 1500, 800 microns				
	Wedge Wire Screen- 800, 500, 300, 200 microns				
Min. operating pressure	2kg/cm² (1½ kg/cm² upon request)				
Max. operating pressure	10 kg/cm² (16 kg/cm² upon request)				
Max. operating temperature	60°C (95°C upon request)				
Electrical supply	230/480 VAC				
Weight [empty]	100-115 kg	205-255 kg	305-390 kg	575 kg	675 kg
Flushing Data					
Minimum flow for flushing	30 m³/h		70 m³/h		
Reject water volume per flush cycle	150 liters	200 liters	300 liters		
Flushing cycle time	15 sec		15-30 sec		
Exhaust valve	2" (50 mm)		3" (80 mm)		
Flushing criteria	Automatic flushing @ pressure differential of 0.5 bar + specified time intervals + manual operation				
Screen Data					
Filter area	3,000 cm²	6,000 cm²	10,000 cm²	15,000 cm²	20,000 cm²
Screen types	Stainless Steel 304 wedge wire / Stainless Steel 316L perforated screen				

