



04

Auto-Matic filter



Auto-matic Filter



SBF

FEATURES

- ✓ SBF is suitable for the high flow rate, low-viscosity fluid filtration.
- ✓ SBF has the ability of retrieving the instable flow rate and adjusting the time of cleaning without manual operation.
- ✓ Filter screen is easy to be cleaned and it is not consumption part.
- ✓ when the filter is cleaning the filter screen, the inflow can keep working at the same time.

Especially for 24-hour nonstop working process. It can filter out many kinds of impurities of water and keep safety of the operation.



Auto-matic Filter

SBF

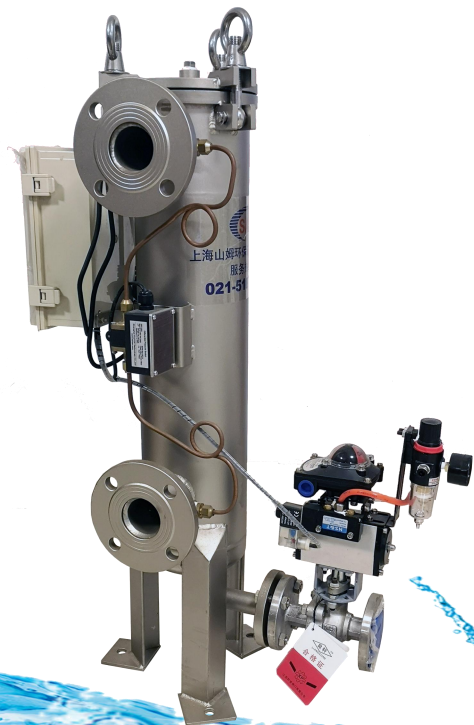
APPLICATION

- ✓ Recycling water in various industries, such as: steel factory, power station, chemical system, electronic, paper manufacture and so on.
- ✓ Cooling water, cooling tower recycling water system
- ✓ Waste water treatment, sewage water treatment third filtration, reduce the cost of fine filtration system.



Auto-matic Filter

| Model | Cartridge Number | Vessel diameter (mm) | Max pressure (bar) | Design Temp (°C) | Filter area (cm ²) | Max Flow (m ³ /h) | Pipe Size (mm) | Material |
|-------------|------------------|----------------------|--------------------|------------------|--------------------------------|------------------------------|----------------|----------|
| SAM-SBF200 | 1 | 200 | 10 | 80 | 4710 | 80 | DN100 | 304/316 |
| SAM-SBF300 | 1 | 300 | 10 | 80 | 6280 | 150 | DN150 | 304/316 |
| SAM-SBF400 | 1 | 400 | 10 | 80 | 9420 | 250 | DN200 | 304/316 |
| SAM-SBF500 | 1 | 500 | 10 | 80 | 12560 | 350 | DN250 | 304/316 |
| SAM-SBF600 | 2 | 600 | 10 | 80 | 25120 | 700 | DN300 | 304/316 |
| SAM-SBF700 | 2 | 700 | 10 | 80 | 31400 | 1000 | DN350 | 304/316 |
| SAM-SBF800 | 2 | 800 | 10 | 80 | 37690 | 1500 | DN450 | 304/316 |
| SAM-SBF1000 | 2 | 1000 | 10 | 80 | 43960 | 2500 | DN550 | 304/316 |
| SAM-SBF1200 | 2 | 1200 | 10 | 80 | 50240 | 3500 | DN650 | 304/316 |



Auto-matic Filter

SCF



- ✓ Scraper Self-cleaning filter with hob structure
- ✓ Suitable for various water supply systems, process water systems and industrial cooling water systems, especially the 24-hour non-stop system, which can filter out various mechanical impurities in the water to ensure the safety and reliability of the system running.
- ✓ ABB Control System- everything will be automatically operated by the equipment, free of personnel maintenance, and it will clean the internal filter screen without remove it.

Auto-matic Filter



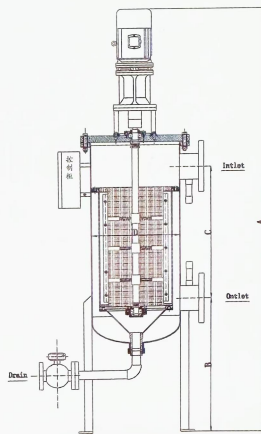
SCF

working principal

- ✓ The filter medium enters the filter screen through the INLET, and the impurities larger than the filter screen gap are trapped on the filter surface side of the screen. When the pressure difference reaches the preset value, the control system will automatically start the reducer to drive the rotary hob to remove the dirt on the filter screen. And discharge the sewage automatically.

Auto-matic Filter

Models & Specifications



| 产品型号 | A (mm) | B (mm) | C (mm) | D (mm) | 设计压力 (Mpa) | 设计温度 (℃) | 最大流量 (m³/h) | 过滤面积 (cm²) | 进出口径 (mm) | 排污口径 (mm) |
|------------|-----------|-----------|-----------|-----------|---------------|-------------|----------------|---------------|--------------|--------------|
| SAM-SCF273 | 1700 | 260 | 550 | 273 | 1.0 | 80 | 30 | 2530 | DN50 | DN50 |
| SAM-SCF350 | 1700 | 300 | 550 | 350 | 1.0 | 80 | 70 | 4000 | DN100 | DN50 |
| SAM-SCF450 | 1850 | 350 | 550 | 450 | 1.0 | 80 | 150 | 5600 | DN150 | DN50 |
| SAM-SCF550 | 1850 | 350 | 550 | 550 | 1.0 | 80 | 250 | 7200 | DN200 | DN50 |
| SAM-SCF650 | 2200 | 400 | 550 | 650 | 1.0 | 80 | 300 | 8800 | DN250 | DN50 |
| SAM-SCF750 | 2200 | 400 | 550 | 750 | 1.0 | 80 | 400 | 10400 | DN300 | DN50 |