

SSBF Series Filter

High Corrosion-Resistant Precision Filtration · Pre-Membrane Protection · Economical & Reliable

The SSBF series is manufactured from stainless steel materials such as SS304, SS316L, and S22053. It features a simple structure for easy filter replacement, with a filtration accuracy of 0.1-100 µm, effectively removing particles, suspended solids, and bacteria above 1 NTU. It serves as reliable pretreatment for membrane systems such as reverse osmosis and ultrafiltration. With a flow rate of 1.5-195 m³/h, it combines high precision and large capacity, making it suitable for various demanding media environments.



Core Challenges Addressed

- Long-term erosion of filtration equipment by high-salt, highly corrosive media
- Membrane fouling and damage due to insufficient pretreatment accuracy
- The conflict between high-flow demands and equipment size/cost
- High maintenance costs from frequent filter replacements

Key Advantages

- High-quality stainless steel housing resistant to acids, alkalis, and high-salt seawater corrosion
- High-precision filter cartridges with uniform pore size and stable retention efficiency
- Low-pressure loss design, high flow rate, and low operational energy consumption
- High cleanliness filter cartridges with no leaching contamination
- Simple structure, easy maintenance, and low comprehensive operating costs

Typical Applications

- Seawater desalination: Pretreatment for reverse osmosis systems
- Drinking water treatment: Municipal and bottled water purification
- Industrial water reuse: Condensate and process water recycling
- Food & beverage: Beverage and bottled water production filtration
- Electronics & semiconductors: Pre-filtration for high-purity water systems
- Pharmaceutical industry: Process water and pharmaceutical solution preparation filtration

Comprehensive Value

The SSBF series provides reliable protection for membrane systems and downstream equipment with its corrosion-resistant structure and high-precision filtration performance, extending the service life of core equipment and reducing system maintenance frequency and operating costs.

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CUSTOM DESIGN AND MANUFACTURING AVAILABLE

Model of Filter	Model of Cartridge	Housing size	Inlet/Outlet	Qty of Cartridge	Length of Cartridge	Flow Rate t/h
B105X	10R	Ø219x700x2	DN25	5	10	1.5
B205X	20R	Ø219x1000x2	DN32	5	20	3
B305X	30R	Ø219x1200x2	DN40	5	30	5
B405X	40R	Ø219x1500x2	DN50	5	40	7
B4010X	40R	Ø325x1500x2.5	DN65	10	40	15
B4015X	40R	Ø377x1600x3	DN80	15	40	22
B4020X	40R	Ø426x1650x3	DN80	20	40	30
B4025X	40R	Ø450x1700x3	DN100	25	40	40
B4030X	40R	Ø500x1750x3	DN100	30	40	45
B4035X	40R	Ø550x1800x3	DN100	35	40	55
B4055X	40R	Ø600x1850x3	DN125	55	40	85
B4060X	40R	Ø650x1900x3	DN125	60	40	90
B4073X	40R	Ø700x1950x3	DN125	73	40	110
B4085X	40R	Ø750x2000x3	DN150	85	40	125
B4090X	40R	Ø800x2050x4	DN150	90	40	135
B40120X	40R	Ø900x2100x4	DN150	120	40	180
B40130X	40R	Ø1000x2150x4	DN200	130	40	195