

Pleated High Flow Series Filter Cartridges

Description

- Depth pleated structure, combination of multiple media, high dirt holding capacity and absolute micron rating.
- 100% Polypropylene construction suitable for Water, Amine and wide range of chemical solution filtration.
- Greater filtration surface area per cartridge, high flow rate, low delta pressure and longer service life, low filtration operating cost and labor cost.
- Retention Rating from 1 to 40 μm .
- Inside to outside flow pattern, captures all contaminants at inside of filter element, preventing dirt release on changing cartridge.
- Greater filtration surface area per cartridge, longer service life, significantly reduces the waste disposal for incinerator, more environmental friendly.
- Suitable for high liquid filtration, such as Cooling Water Filtration, RO Pre-Filtration, Seawater Desalination, Amine Circulation Filtration and all kinds of chemical solution filtration.
- Install with HF FTP High Flow filter housing, saves space and equipment cost.
- Manufacture in Class 10,000 clean room environment.

Specifications

- Retention Rating: 1, 3, 5, 10, 20, 40 μm .
- Recommended Operating Flow Rate: 40" (1,016 mm) 50 m^3/hr .
60" (1,524 mm) 70 m^3/hr .
- Dimensions:
 - Outer Dimension: 6" (152 mm).
 - Length: 40" (1,016 mm), 60" (1,524 mm).
- Material of Construction:
 - Filter Media: Depth Type Multimedia Polypropylene.
 - Core/Cage: Polypropylene.
 - O-Ring: EPDM, VITON, Silicone, Teflon Encapsulated.
- Operating Conditions:
 - Max. Operating Temperature: 60 $^{\circ}\text{C}$ (140 $^{\circ}\text{F}$).
 - Recommended Change-out Differential Pressure: 2.1 bar a 20 $^{\circ}\text{C}$.



Typical applications

- Food and Beverage.
- Seawater Desalination.
- Cooling Water.
- Industrial Water.
- RO Pre-Filtration.
- Amine Circulation Filtration.
- Process Water and Waste Water Treatment.
- Chemical Resistance.

Pleated High Flow Cartridge is made by thermal bonding process, no any additives and surfactants are used, low extractable. Polypropylene has a wide range of chemical resistance to many solvents, based and acids, users should check the chemical compatibility before use.

Please be aware that this product is not guaranteed for applying to any kind of chemical solvents by written. If there is any damage or lose, the users have to take all the responsibilities.



Retention Rating / Initial Pressure Drop vs. Liquid Flow Rate

Retention Rating μm	Initial Pressure Drop vs. Liquid Flow Rate			
	40" (1,016 mm) mBar/m ³ /hr.	40" (1,016 mm) Psid/gpm	60" (1,524 mm) mBar/m ³ /hr.	60" (1,524 mm) Psid/gpm
1	1.48	0.0049	1.22	0.0040
3	1.07	0.0035	0.82	0.0027
5	0.67	0.0022	0.52	0.0017
10	0.58	0.0019	0.30	0.0010
20	0.40	0.0013	0.27	0.0009
40	0.22	0.0007	0.15	0.0005

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