

HR Pleated Filters

■ Features and Benefits

Flotrex-HR (FHR) filters are made entirely from Halar* (ECTFE), an industrial-grade fluoropolymer with excellent solvent resistance. FHR filters can withstand the harshest process conditions due to this virtually indestructible material. Providing broad chemical compatibility, you can count on our filters to produce consistent, uniform process streams in your most demanding filtration applications.

FHR filters deliver high flow rates and high-purity results with absolute rated efficiencies (99.9% filtration efficiency at rated pore size based on ASTM F795 and F661 test methods) and retention characteristics that typically outperform polypropylene fiber filters.

The FHR filter is just one example of our strong commitment to fluid treatment. Our complete portfolio includes filters for every stage of processing, and we offer custom solutions for your unique applications. Osmonics is your complete source for filters, crossflow membranes, housings, and other filtration equipment.

■ Applications

FHR all-Halar, melt-blown fiber filters offer outstanding performance in extremely harsh chemical environments. These FHR filters also provide cost-effective, absolute filtration at high flow rates. Available in a range of 3, 10 and 25µm, FHR filters are constructed entirely of FDA acceptable materials and are manufactured and packaged in a cleanroom environment for assured cleanliness. FHR filters are designed for both pre- and final filtration. Typical applications include:

- Filtration of aggressive chemicals including Toluene and Xylene
- Filtration of Ozonated Water
- Beverage ■ Pharmaceuticals

■ Available Absolute Pore Size Ratings

- 3, 10, and 25 µm

■ Materials of Construction

- Media.....Halar Microfiber
- Support Layers.....Halar
- Core and Cage.....Halar
- Endcaps and Adapters.....Halar

■ Dimensions

Nominal O.D.	Nominal I.D.	Effective Filtration Area
2.75" (70 mm)	1.25" (31 mm)	8.7 ft ² (0.8 m ²)

■ Operational Limits

- Maximum Forward Differential Pressure60 psi (4.14 bar)
- Maximum Reverse Differential Pressure30 psi (2.07 bar)
- Maximum Operating Temperature.....180°F (82°C) at 10 psid (0.69 bar)

Flotrex-HR (FHR) Pleated filters are designed especially for ozonated water applications. The filters are ideal for pharmaceutical, chemical and beverage applications where compatibility is a concern.



Sterilization

Flotrex-HR filters may be sanitized with compatible chemical agents such as ozonated water. The filters must not be autoclaved or steam sterilized.

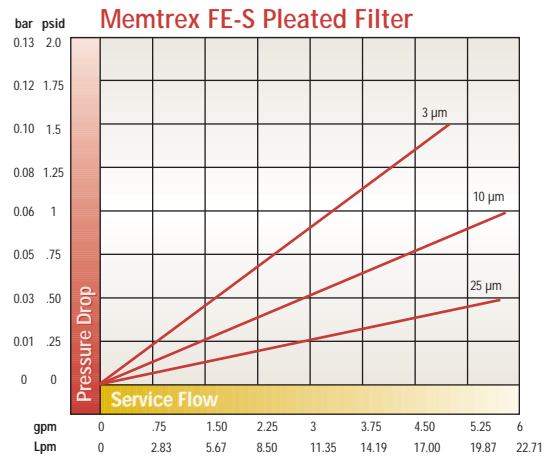
Biosafety

The component materials of Flotrex-HR filters are suitable for use in articles intended for repeated food contact as specified in the United States Code of Federal Regulations, Title 21. Flotrex-HR filters meet the test criteria for USP24 class VI-121°C plastics and pass the MEM Elution Cytotoxicity Test.

Extractables

Aqueous extracts from Flotrex-HR filters contains less than 0.25 EU/ml. The filters typically exhibit low levels of non-volatile residues.

Flow Performance in Clean Air



Ordering Information

Type	Absolute Micron Rating	Nominal Cartridge Length	End #1 Adapter	End #2 Adapter	Elastomer Material
FHR	03 = 3.0mm 10 = 10mm 25 = 25mm	1 = 10 Inch 2 = 20 Inch 3 = 30 Inch 4 = 40 Inch	A=Open End Gasket E=222 O-Ring F=226 O-Ring	A=Open End Gasket G=Closed End Cap H=Fin Adapter	V=Viton* T=Teflon* Encapsulated

For More Information:

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