

GF Pleated Filters



*Flotrex-GF (FGF)
absolute-rated filters
constructed with
durable glass
microfiber media,
combine high-retention
characteristics with a
long service life.*

Features and Benefits

The Flotrex-GF is an absolute rated, glass fiber filter that is dependable and very efficient in the removal of Cryptosporidium and Giardia cysts. They do not leach any flavor-altering substances and are ideal for final filtration applications. FGF filters have the important IBWA-recommended 1.0-micron absolute rating.

The FGF filter is just one example of our strong commitment to liquid, air and gas 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, housings and other filtration equipment.

Applications

Flotrex-GF filters are specifically designed for high throughputs and long service life. Typical applications include:

- Final Filtration for Bottled Water
- Cosmetic Oil, Gel and Shampoo Filtration
- Prefiltration of Pharmaceuticals and Biologicals
- Beverage Clarification

Available Absolute Pore Size Ratings

- 0.45, 1.0 and 3.0 μm

Materials of Construction

- Media.....Acrylic resin-bonded glass microfiber
- Support Layers.....Polypropylene microfiber
- Core and Cage.....Polypropylene
- Endcaps and Adapters.....Polypropylene

Dimensions

Nominal O.D.	Nominal I.D.	Effective Filtration Area
2.75" (70mm)	1.25" (31mm)	4.3 ft ² (0.40 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) in water

Sterilization

Flotrex-GF filters may be autoclaved (121°C, 30 minute cycles) or in situ steam sterilized (125°C, 30 minute cycles) for a maximum accumulated exposure of 10 hours. Alternatively, the filters may be sanitized with compatible chemical agents.

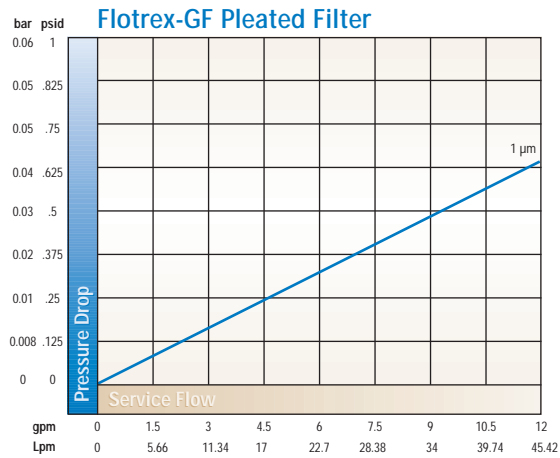
Biosafety

The component materials of Flotrex-GF 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-GF filters meet the test criteria for USP24 class VI-121°C Plastics and pass the MEM Elution Cytotoxicity Test.

Extractables

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

Flow Performance in Clean Water



Ordering Information

Type	Absolute Micron Rating	Nominal Cartridge Length	End #1 Adapter	End #2 Adapter	Elastomer Material
FGF-F	01 = 1.0 µm	05 = 5 Inch 1 = 10 Inch 2 = 20 Inch 3 = 30 Inch 4 = 40 Inch	A = Open End Gasket B = 120 O-Ring C = 213 O-Ring E = 222 O-Ring F = 226 O-Ring J = 020 O-Ring Q = 222 O-Ring Stainless Steel Insert Z = 226 O-Ring Stainless Steel Insert	A = Open End Gasket B = 120 O-Ring C = 213 O-Ring G = Closed End Cap H = Fin Adapter	B = Buna-N E = EPDM S = Silicone T = Teflon* Encapsulated (Only in 222 and 226 Sizes) V = Viton*

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For More Information:

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