

Flotrex™ AP

Pleated Filters with Polypropylene Microfiber Media



Flotrex AP (FAP) filters are constructed with gradient density, thermally bonded polypropylene microfiber for exceptional dirt holding capacity, long life, and absolute particle retention.

Features and Benefits

Constructed with gradient density thermally-bonded polypropylene microfiber media, absolute-rated Flotrex-AP (FAP) filters combine exceptional solids-holding capacities with precise micron retention ratings. The FAP filters are constructed of FDA acceptable high-purity polypropylene.

FAP filters are absolute-rated for air, gas and liquid filtration with low pressure drop across the wide range of 0.65 to 40 microns. Sheets of melt-blown media are layered to provide absolute particle retention, high solids loading and long service life.

Applications

- > Prefiltration and Final Chemical Filtration — broad chemical compatibility
- > Prefiltration of Pharmaceuticals and Biological Fluids — dependable protection for final filters
- > Bottle Water Final Filtration — demonstrated cyst removal using 1 micron absolute-rated filter (FAP01)
- > High Throughput for Beer Filtration

Materials of Construction

- > Filtration Media — Polypropylene Microfiber
- > Support Layers — Polypropylene Microfiber
- > Core and Cage — Polypropylene
- > Endcaps and Adapters — Polypropylene

Available Absolute Micron Ratings

0.65, 1, 2, 3, 5, 10, 20, and 40 µm

Dimensions

Nominal O.D.	Nominal I.D.
2.75 inches (70 mm)	1.25 inches (31 mm)
Filter Model	Effective Filtration Area
FAP96, FAP01, FAP03	4.4 ft ² (0.41 m ²)
FAP02, FAP05, FAP10	5.5 ft ² (0.51 m ²)
FAP20, FAP40	7.3 ft ² (0.68 m ²)



Operational Limits

- > Maximum Forward Differential Pressure — 60 psi (4.1 bar) @ 70°F (21°C)
- > Maximum Reverse Differential Pressure — 30 psi (2.1 bar) @ 70°F (21°C)
- > Maximum Operating Temperature — 180°F (82°C) at 10 psid (0.7 bar) in water

Additional Information

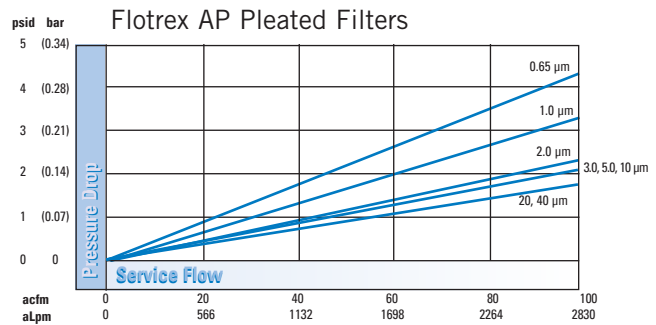
Flotrex AP filters may be autoclaved or in-situ steam sterilized (up to 125°C, 30 minute cycles) for a maximum accumulated exposure of 10 hours. Alternatively, the filters may be sanitized with compatible chemical agents.

GE certifies that the materials contained in its Flotrex AP pleated filters meet U.S. FDA requirements for food contact under the applicable regulations in 21 CFR. For further information, contact GE Technical Services Department. Flotrex AP filters meet the test criteria for USP class VI-121°C Plastics.

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

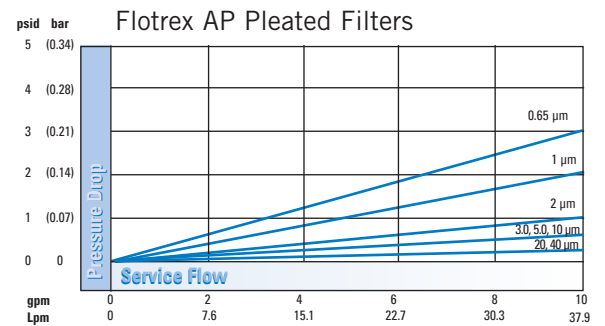
GE filter cartridges are designed and manufactured for resistance to a wide range of chemical solutions. Conditions will vary with each application and users should carefully verify chemical compatibility. Please contact your GE distributor for more information.

Flow Performance in Clean Air*



*Data based on 10 inch length filter.

Flow Performance in Clean Water*



*Data based on 10 inch length filter.

Ordering Information

Type	Absolute Micron Rating	Nominal Cartridge Length	End #1 Adapter	End #2 Adapter	Elastomer Material
FAP	96 = 0.65 µm 01 = 1.0 µm 02 = 2.0 µm 03 = 3.0 µm 05 = 5.0 µm 10 = 10.0 µm 20 = 20.0 µm 40 = 40.0 µm	1 = 10 in (25 cm) 2 = 20 in (51 cm) 3 = 30 in (76 cm) 4 = 40 in (102 cm)	A = Open End with 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 with Gasket B = 120 O-Ring C = 213 O-Ring G = Closed End Cap H = Fin	B = Buna-N E = EPDM S = Silicone T = Teflon* Encapsulated Viton** (Only in 222 and 226 Sizes) V = Viton

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