



Flotrex™ AP Capsules

with Polypropylene Microfiber Media

Features and Benefits

- > Flotrex AP (CFAP) Capsules have 100% polypropylene construction
- > Thermally bonded, gradient density polypropylene microfiber media
- > Broad chemical compatibility
- > Suitable for both gas and liquid filtration
- > Consistent, precise particle retention combined with high loading capacity
- > Economic alternative to membrane filters in selected applications
- > Ideal for batch or small volume processes
- > Optionally available with opaque housings for use with light-sensitive materials

Flotrex AP Capsule Filters (CFAP) combine the purity and reliability of all-polypropylene construction into a cost-effective filter that exhibits exceptional particle retention and service life. With their range of micron ratings and broad chemical compatibility, CFAP filters are appropriate for a wide range of applications.

Applications

- > Filtration of fine chemicals used in electronics manufacturing
- > Filtration of inks, dyes and coatings
- > Pre-filtration of pharmaceuticals, biologicals and cosmetics
- > Vent and process gas filtration
- > Point-of-use water filtration
- > Filtration of eyeglass lens monomers

Available Absolute Micron Ratings

0.65, 1.0, 2.0, 3.0, 5.0, 10, 20, and 40 µm

Materials of Construction

- > Filtration Media — Polypropylene Microfiber
- > Support Layers — Polypropylene Microfiber
- > Structural Components — Polypropylene

Dimensions

Diameter

3.5" (9 cm)

Capsule Size Effective Filtration Area Length*

| Capsule Size | Effective Filtration Area | Length* |
|--------------|---|---------------------------|
| Small | 0.8 ft ² (743 cm ²) | 3.5 - 5.0" (9 - 13 cm) |
| Medium | 2.7 ft ² (2508 cm ²) | 7.6 - 9.1" (19 - 23 cm) |
| Large | 5.2 ft ² (4831 cm ²) | 11.5 - 13.0" (29 - 33 cm) |

*Varies with connection style.

Operational Limits

- > Maximum Operational Pressure
 - 80 psi (5.5 bar) @ 70°F (21°C) in Liquid
 - 55 psi (3.8 bar) @ 70°F (21°C) in Gas
- > Maximum Differential Pressure
 - 60 psi (4.1 bar) @ 70°F (21°C)
- > Maximum Operating Temperature
 - 110°F (43°C) at ≤30 psi (2.1 bar) Operating Pressure

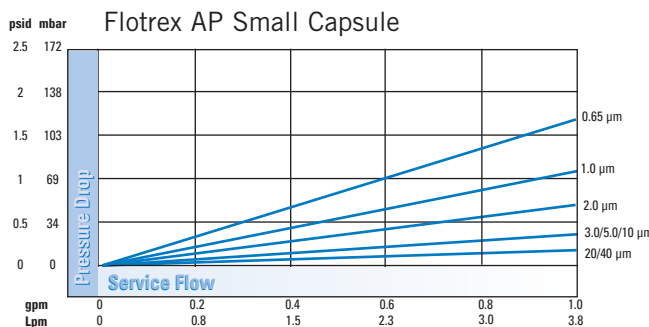
Additional Information

Flotrex AP Capsule filters may be sanitized with a variety of commonly used chemical agents. The capsules may be repeatedly autoclaved (121°C 30 min) for up to 5 cycles.

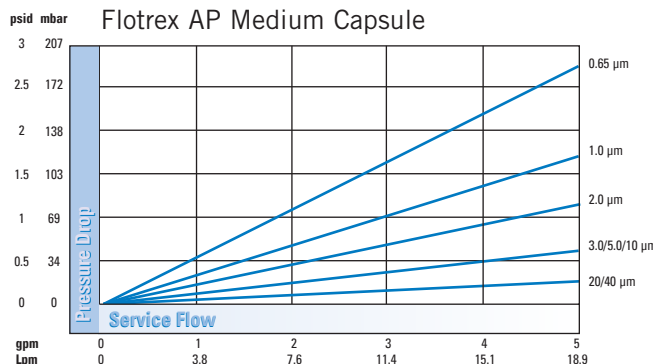
GE certifies that the materials contained in its Flotrex AP Capsule filters meet U.S. FDA requirements for food contact under the applicable regulations in 21 CFR. For further information, contact the GE Technical Services Department. Flotrex AP filters meet the test criteria for USP class VI-121°C Plastics.

GE filter capsules 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.

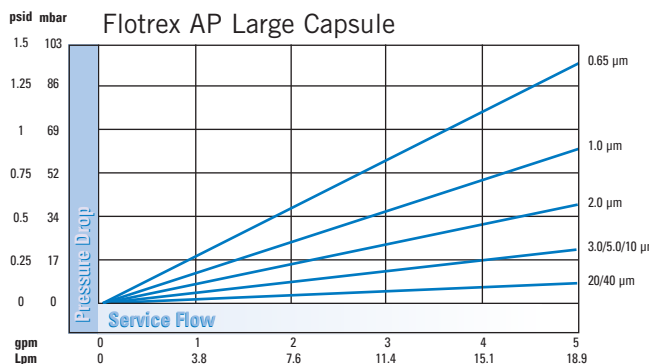
Flow Performance in Clean Water*



Flow Performance in Clean Water*



Flow Performance in Clean Water*



Ordering Information

| Type | Absolute Micron Rating | Capsule Size | Connections* | Housing Style |
|------|---|--|---|---|
| CFAP | 96 = 0.65 μm 01 = 1.0 μm 03 = 3.0 μm 05 = 5.0 μm 10 = 10.0 μm 20 = 20.0 μm 40 = 40.0 μm | 08 = small (0.8 ft ²) 27 = medium (2.7 ft ²) 52 = large (5.2 ft ²) | L = 1/4" - 1/2" (6.3 - 12.7 mm) hose barb M = 3/8" (9.5 mm) hose barb R = 1/4" (6.3 mm) NPT male W = 1/2" (12.7 mm) NPT male Y = 1.5" (38.1 mm) sanitary flange | Blank = Natural Polypropylene -O = Opaque Polypropylene (1/4" NPT connections only) |

*Choose an inlet and outlet connection.

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