



Flotrex GF Capsule Filters (CFGF) are constructed with durable acrylic resin bonded glass microfiber media for superior performance in applications with excessive particle burden. CFGF filters provide excellent protection for final membrane filters and are also exceptional final filters in applications that do not require membrane filtration.

Flotrex™ GF Capsules

with Glass Microfiber Media

Features and Benefits

- > Flotrex GF (CFGF) Capsules have acrylic resin-bonded glass microfiber media
- > Reliable particle retention
- > Excellent service life in applications with severe particle loads
- > Polypropylene structure for enhanced chemical resistance
- > Excellent protection for final membrane filters
- > Ideal for batch or small volume processes

Applications

- > Pre-filtration for a wide variety of pharmaceuticals including serums, tissue culture media, and protein solutions
- > Pre- and final filtration of cosmetics
- > Pre-filtration of beverages
- > Final filtration of beverages that do not require membrane filtration
- > Filtration of water for protozoan reduction
- > Filtration of compatible paints and coatings

Available Absolute Micron Ratings

0.45, 1.0, 3.0 µm

Materials of Construction

- > Filtration Media — Acrylic Resin-Bonded Glass Microfiber
- > Support Layers — Polypropylene Microfiber
- > Structural Components — Polypropylene

Dimensions

Diameter

3.5" (9 cm)

Capsule Size	Effective Filtration Area	Length*
Small	0.8 ft ² (748 cm ²)	3.5 - 5.0" (9 - 13 cm)
Medium	3.0 ft ² (2806 cm ²)	7.6 - 9.1" (19 - 23 cm)
Large	5.9 ft ² (5500 cm ²)	11.5 - 13.0" (29 - 33 cm)

*Varies with connection style.

Operational Limits

- > Maximum Operating 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

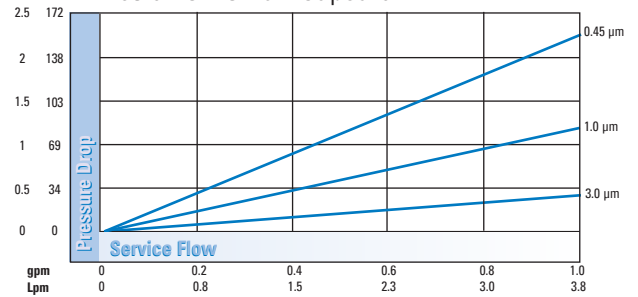
Additional Information

Flotrex GF 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.

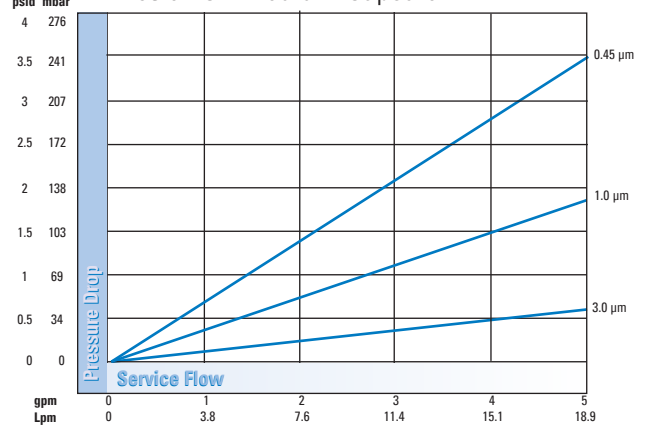
GE certifies that the materials contained in its Flotrex GF Capsule filters meet U.S. FDA requirements for food contact under the applicable regulations in 21 CFR. For further information, contact the GE Technical Services Department. Flotrex GF filters meet the test criteria for USP class VI-121°C Plastics.

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.

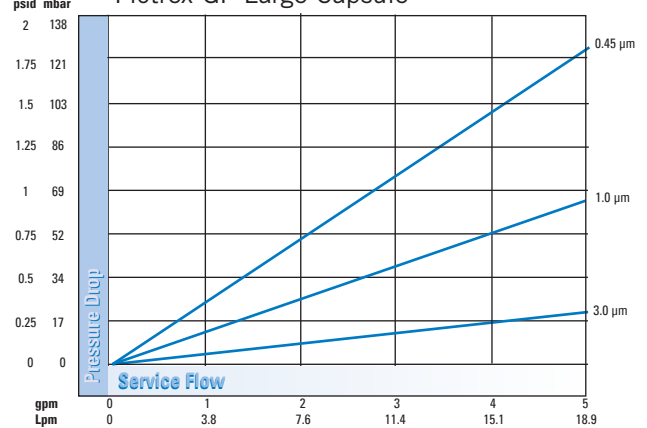
Flow Performance in Clean Water*
Flotrex GF Small Capsule



Flow Performance in Clean Water*
Flotrex GF Medium Capsule



Flow Performance in Clean Water*
Flotrex GF Large Capsule



Ordering Information

Type	Absolute Micron Rating	Capsule Size	Connections*
CFGF	94 = 0.45 µm	05 = small (0.5 ft ²)	L = 1/4" - 1/2" (6.3 - 12.7 mm) hose barb
	01 = 1.0 µm	19 = medium (1.9 ft ²)	M = 3/8" (9.5 mm) hose barb
	03 = 3.0 µm	37 = large (3.7 ft ²)	R = 1/4" (6.3 mm) NPT male W = 1/2" (12.7 mm) NPT male Y = 1.5" (38.1 mm) sanitary flange

*Choose an inlet and outlet connection.

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P/N 1232916 Rev. C

