LOFMEM™ G Series

Absolute Rated Polyethersulfone Membrane Pleated Filter Cartridges

The LOFMEM-G pleated, disposable cartridge is one of the industry's most efficient and cost effective filters available. The absolute rated, hydrophilic, asymmetric polyethersulfone membrane features 7 square feet of surface area for a high system flow rate.

Features and Benefits
- Large membrane surface area for high throughput
- Longer on-line service reduces costly maintenance time
- Absolute rated membrane from 0.1 to 0.65 µm
- Manufactured in an ISO Class 7 cleanroom environment
- 100% flushed with 18 MΩ-cm DI water and bubblepoint tested
- Meets USP Class VI biological test for plastics
- Fixed pore construction eliminates dirt unloading as differential pressure increases
- Low extractables

Filter Specifications

**Media**
- Asymmetric polyethersulfone membrane

**Inner core, end caps, cage**
- Polypropylene

**Support layers**
- Spunbond polypropylene

**Gaskets/O-Rings**
- Buna-N, EPDM, Silicone, Viton®, Teflon® encapsulated Viton O-Rings

**Micron ratings**
- 0.1, 0.2, 0.45, 0.65 µm

Dimensions / Parameters

**Nominal lengths**
- 9.75", 10", 20", 30", 40" (24.7, 25.4, 50.8, 76.2, 101.6 cm)

**Outside diameter**
- 2.7" (6.9 cm)

**Inside diameter**
- 1.0" (2.54 cm)

**Surface area**
- 7.0 ft² (0.65m²) per 10 inch element

**Max. sustained operating temperature**
- 180°F (82°C) at 20 psid (1.38 bar)

**Max. differential pressure**
- 60 psid @ 80°F (4.14bar @ 27°C)
- 30 psid @ 160°F (2.07 bar @ 71°C)
- 15 psid @ 200°F (1.03 bar @ 93°C)

**Max. reverse differential pressure**
- 40 psid @ 70°F (2.8 bar @ 21°C)

**Recommended change-out pressure**
- 35 psid (2.4 bar)

“LOFMEM-G cartridges from Eaton are inherently hydrophilic and are designed for a wide range of applications including: food & beverage, filtration of acids & bases, cosmetics, inks, chemicals, ultra-pure water and other aqueous solutions”

Get a Price Quote Today!
Performance Specifications

Hot DI water
Filter cartridge will withstand temperatures of 185°F (85°C) for up to 30 consecutive minutes.

Chemical compatibility
Filter cartridge resists most acids and bases, pH 1–14 and most oxidizing agents.

Sanitizing agents
Filter cartridge may be sanitized in place with common oxidizing agents.

Steam/Autoclave
Cartridges may be steamed or autoclaved for at least 5 one-hour cycles @ 275°F (135°C).

FDA Listed Materials
All polypropylene material used in manufacturing complies with the regulations of the Food and Drug Administration (FDA) title 21 of the Code of Federal Regulations Sections 174.5, as applicable for food and beverage contact.

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