



## Absolute Rated Polyethersulfone Membrane Pleated Filter Cartridges

*„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.“*

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 0.65m<sup>2</sup> (7 ft<sup>2</sup>) 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®, FEP encapsulated Viton O-Rings

**Micron ratings**  
0.1; 0.2; 0.45; 0.65 µm

### Dimensions / Parameters

**Nominal lengths**  
5"; 9.75"; 10"; 20"; 30"; 40"  
(12.7; 24.7; 25.4; 50.8; 76.2; 101.6 cm)

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

**Inside diameter**  
1" (2.54 cm)

**Surface area**  
0.65 m<sup>2</sup> (7 ft<sup>2</sup>) per 10 inch element

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

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

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

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

### 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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## Performance Specifications

### Hot DI water

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

### Chemical compatibility

Filter cartridge resists most acids and bases, pH 1–14 and most oxidising agents.

### Sanitising agents

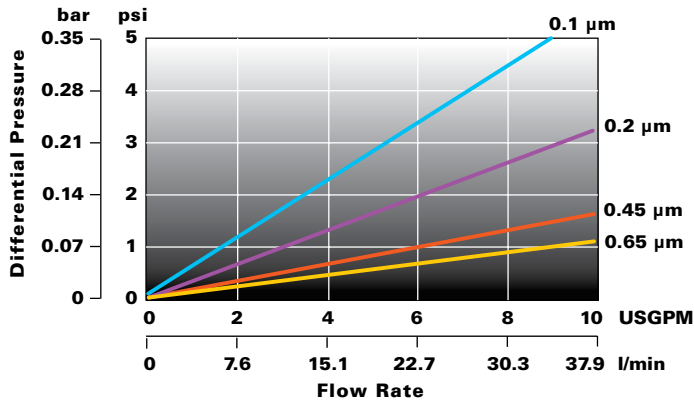
Filter cartridge may be sanitised in place with common oxidising agents.

### Steam / Autoclave

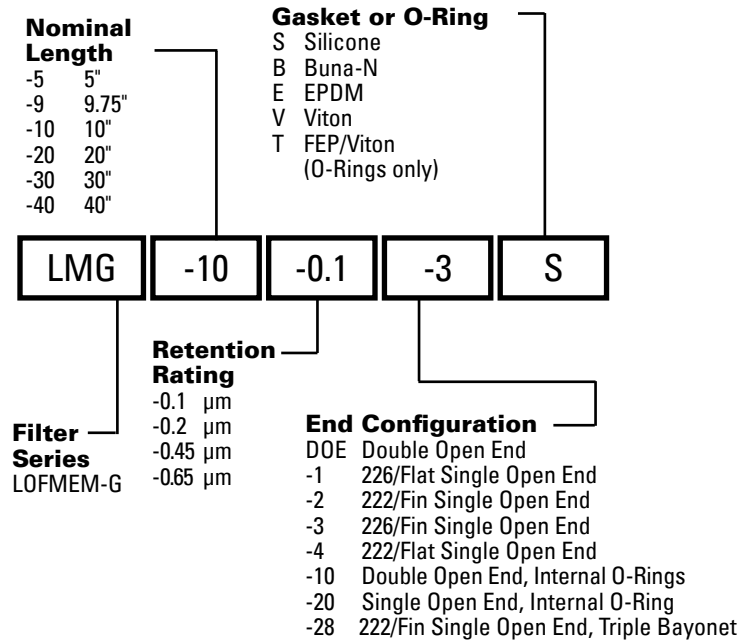
Cartridges may be steamed or autoclaved for at least 5 one-hour cycles @ 135°C (275°F).

## LOFMEM-G Flow Rate

(21°C/70°F per 10" cartridge for water)



## Filter Specification Code



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