



LOFMEM™ W absolute rated membrane filter cartridges (PES)

Eaton's LOFMEM W membrane filter cartridges are the preferred choice for general water filtration, as a DI water prefilter/postfilter and for use in aqueous-based chemical processing.

LOFMEM W membrane filter cartridges use absolute rated polypropylene and polyethersulfone components that are both hydrophilic and asymmetric. Engineered specifically for economical overall filtration, they offer superior flow rates and throughputs.

Features and benefits

- High dirt-holding provides long service life and reduced maintenance requirements
- Economic absolute filtration
- All-thermal bonded construction, no adhesives
- No wetting agents
- Available in multiple configurations

Design

Filter material

Asymmetric polyethersulfone membrane

Inner core, cage, end caps

Polypropylene

Support layer

Spunbond polypropylene

Gaskets/O-rings

Silicone (standard), Buna-N, EPDM, fluorelastomer, FEP encapsulated (O-rings only)

Retention ratings

0.05, 0.1, 0.2, 0.45, 0.65 μ m

Technical data

Nominal lengths

10", 20", 30", 40"
(254, 508, 762, 1016 mm)

Outside diameter

2.7" (69 mm)

Inside diameter

1.1" (27.9 mm)

Surface area

6 ft² (0.56 m²) per 10" element

Max. operating temperature

180 °F (82 °C)

Max. differential pressures

60 psid @ 80 °F (4.1 bar @ 27 °C)
30 psid @ 160 °F (2.0 bar @ 71 °C)
15 psid @ 200 °F (1.0 bar @ 93 °C)

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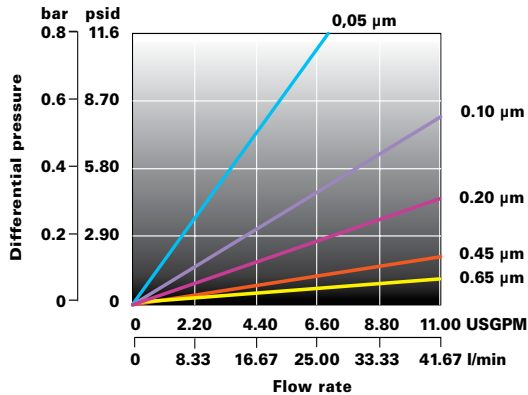
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LOFMEM W membrane filter cartridges

Flow rate*

(68°F/20°C per 10" filter cartridge for water)



* For liquids other than water, multiply pressure drop by fluid viscosity in centipoise.

Ordering code

