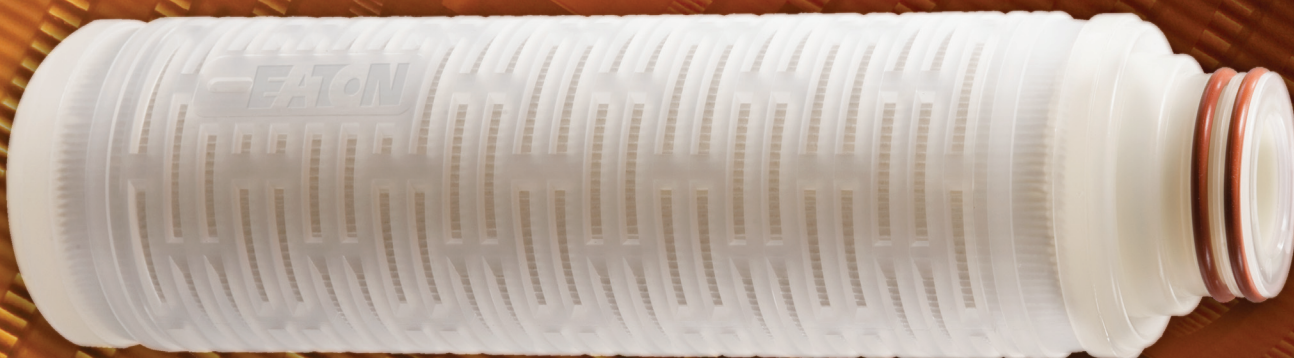




Absolute Rated PTFE Membrane Filter Cartridges

“LOFTMEM-T cartridges from Eaton are ideal for gas/vent applications and the filtration of aggressive compounds. Specific uses include: strong acids/bases, compressed gases, photo-resists, pharmaceutical intermediates, hot DI water and fermentation air.”

The LOFTMEM-T filter offers precision filtration—even under harsh, corrosive environments. They are made with a polytetrafluoroethylene (PTFE) membrane with additional polypropylene support layers and components. The HIMA retentive PTFE membrane offers superior hydrophobicity and water intrusion resistance compared to PVDF based media, and are more economical than all-fluorocarbon filters.

Features and Benefits

- High flow rates and high surface area minimize total system size requirements
- Integrity testing and 100% flushing with 18 MΩ-cm de-ionized water prior to shipment
- Validated to USP Class VI Biological Standards for Plastics
- Manufactured in ISO Class 7 Cleanroom Environment
- Full traceability marking

Filter Specifications

Media

Gore-Tex® expanded PTFE membrane

Inner core, end caps, cage
Polypropylene

Support layers
Polypropylene

O-Rings

Buna-N, EPDM, Silicone, Viton®, Teflon® encapsulated Viton

Micron ratings

0.05, 0.1, 0.2, 0.45, 1.0 µm

Dimensions / Parameters

Typical Nominal lengths

9.75", 10", 20", 30", 40"
(24.8, 25.4, 50.8, 76.2, 101.6cm)

Outside diameter

2.7" (6.9 cm)

Inside diameter

1.0" (2.54 cm)

Surface area

8.5 ft². (0.79m²) – 10 inch element

Max. operating temp

203°F (95°C)

Max. operating pressure

75 psid @ 70°F (5.2 bar @ 21°C)
40 psid @ 176°F (2.8 bar @ 80°C)
15 psid @ 203°F (1.03 bar @ 95°C)

Maximum reverse differential pressure

40 psid @ 70°F (2.8 bar @ 21°C)

View Eaton's complete line of quality filtration products at www.filtration.eaton.com.



Powering Business Worldwide™

Performance Specifications

Steam/Autoclave

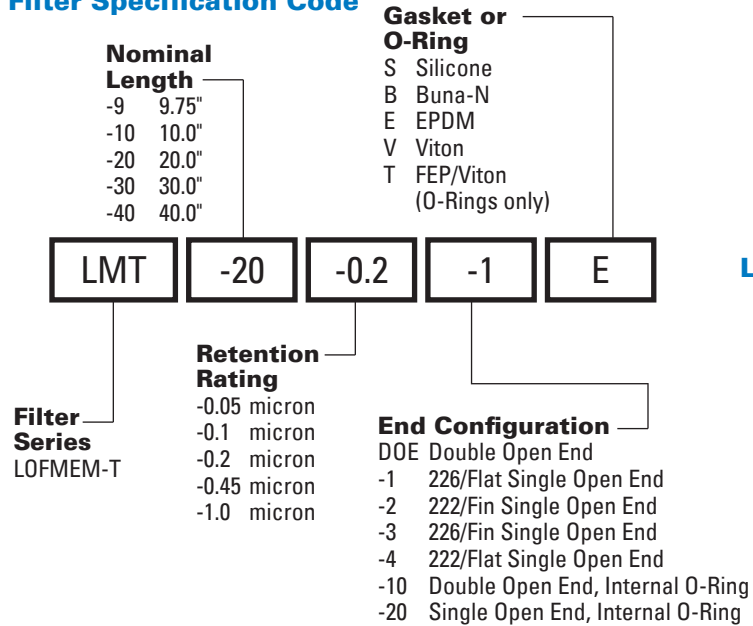
Cartridges will withstand at least 50 steam/autoclave 1 hour cycles @ 275°F (135°C)

Integrity Test Values

Air Diffusion per 10 inch cartridge wet with 60/40 IPA/ water. Contact Eaton for specific method.

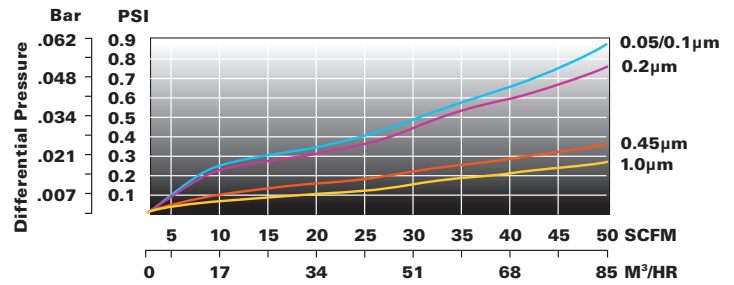
Pore Size	Specification
0.05 µm:	≤ 50 cc/min @ 22 psig (1.5 bar)
0.1 µm:	≤ 50 cc/min @ 18 psig (1.2 bar)
0.2 µm:	≤ 20 cc/min @ 12 psig (0.8 bar)
0.45 µm:	≤ 15 cc/min @ 5 psig (0.34 bar)
1.0 µm:	≤ 15 cc/min @ 3 psig (0.2 bar)

Filter Specification Code



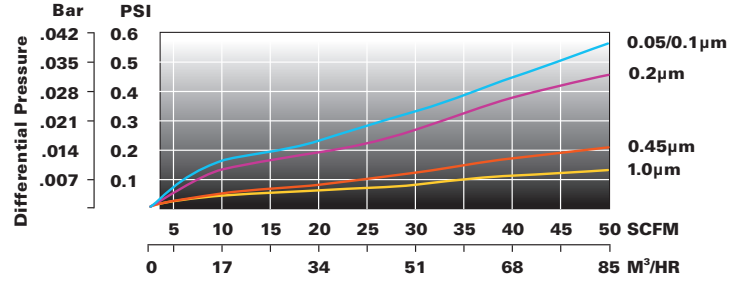
LOFMEM-T Air Flow Rate

System pressure at < 10 psig (vent) 65°F/18°C, outlet open to atmosphere

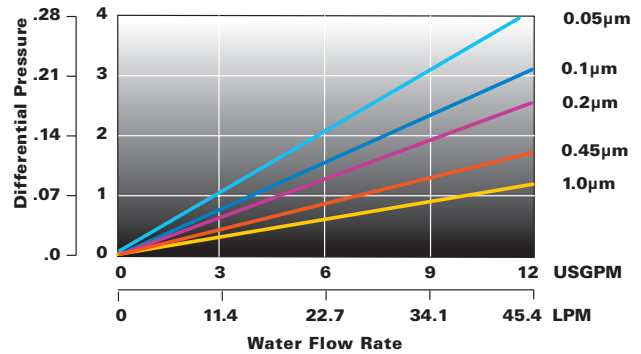


LOFMEM-T Air Flow Rate

System pressure at 30 psig, 65°F/18°C



LOFMEM-T Water Flow Rate (per 10" cartridge)



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