



LOFMEM™ TFA Fluoropolymer Pleated Cartridge Filter

Eaton's LOFMEM TFA filters are designed to resist the most severe chemical exposure environments, making them the preferred choice for demanding high temperature and chemical process applications. LOFMEM TFA is designed for use with strong acids, bases, organic chemicals and oxidizers.

LOFMEM TFA membrane filter cartridges use absolute rated PTFE membrane combined with PTFE support layers and PFA hardware to create a fluoropolymer pleated cartridge filter suitable for use in the most demanding environments. LOFMEM TFA is manufactured without the use of glues, adhesives or wetting agents, ensuring high purity in every application.

Features and benefits

- PTFE membrane
- Superior chemical resistance
- Absolute rated filtration
- All-thermal bonded construction, no adhesives
- No wetting agents
- Available in multiple configurations

Design

Filter material
PTFE membrane

Inner core, cage, end caps
PFA

Support layers
PTFE

Gaskets/O-rings
FEP encapsulated (O-Rings only), FPM

End Adapter
222/Flat single open end

Retention ratings
0.1, 0.2, 0.45, 1 µm

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
5.2 ft² (0.48 m²) per 10" element

Max. operating temperature
338 °F (170 °C)

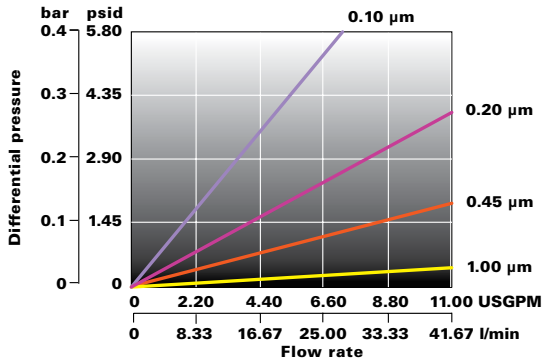


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LOFMEM TFA membrane filter cartridges

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.

Performance specifications

Steam/autoclave

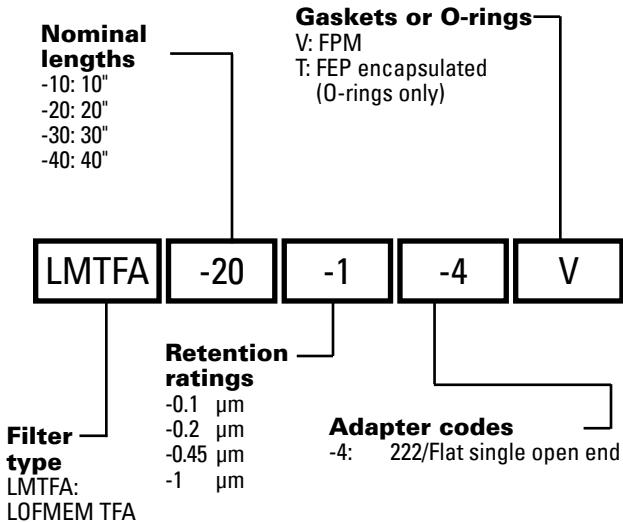
Filter cartridges will withstand at least 50 steam/autoclave 1 hour cycles @ 275 °F (135 °C)

Integrity test values per 10" filter cartridge

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

Pore size	Specification
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 µm:	≤ 15 cc/min @ 3 psig (0.2 bar)

Ordering code



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