



Titanium Porous Metal Technology

"Eaton's LOFMET filters are designed for a variety of applications including: corrosive liquids & gases, cryogenic fluids, high viscosity solutions, process steam, high temperature liquids & gases and catalyst recovery."

Porous titanium filters are designed for applications involving extreme operating conditions and aggressive fluids and gases. The rugged, fixed pore structure is constructed from sintered titanium powder. The result is an element that can withstand heat, high pressures and repeated cleaning/backwash cycles. Mechanical strength and corrosion resistance are the results of a design with no longitudinal seams.

Features and Benefits

- High corrosion resistance
- All sintered titanium construction
- Backwashable for re-use and maximum economy
- Multiple end configurations and gasket/o-rings to fit most all vessels.

Filter Specifications

Media
Titanium

End caps
Titanium

Gaskets/O-Rings options
EPDM, Buna-N, Viton®, Teflon®
encapsulated Viton (O-Rings only)

Micron ratings
0.5, 2, 5, 10, 15, 35 µm

Dimensions / Parameters

Nominal lengths
10", 20", 30"
(25.4, 50.8, 76.2 cm)

End Configuration
Double Open End,
226/Flat Single Open End,
222/Flat Single Open End,
3/4" Male NPT,
1" Male NPT

Outside diameter
2.75" (70 mm) or 2.36" (60 mm)

Max. operating temp.
700°F (371°C)*

Max. differential pressure
250 psid (17.4 bar) forward
50 psid (3.5 bar) reverse

* Max temperature applicable to NPT style filters only (No O-Rings or gaskets). Consult Eaton for guidance on specific chemical/temperature compatibility.

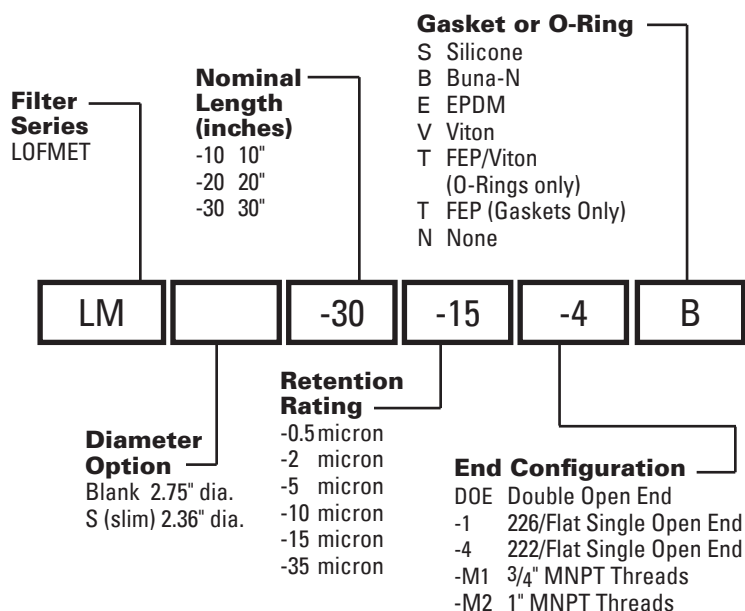


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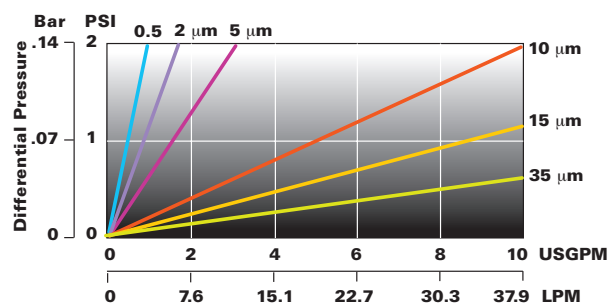
Filter Removal Efficiency			
Beta Ratio Efficiency	Beta 200 99.5%	Beta 20 95%	Beta 10 90%
0.5 micron	0.5 micron	0.3 micron	0.1 micron
2 microns	2 microns	0.8 micron	0.4 micron
5 microns	5 microns	3 microns	1 micron
10 microns	10 microns	8 microns	5 microns
15 microns	15 microns	12 microns	10 microns
35 microns	35 microns	32 microns	28 microns

$$\text{Beta Ratio} = \frac{\text{Upstream particle counts}}{\text{Downstream particle counts}}$$

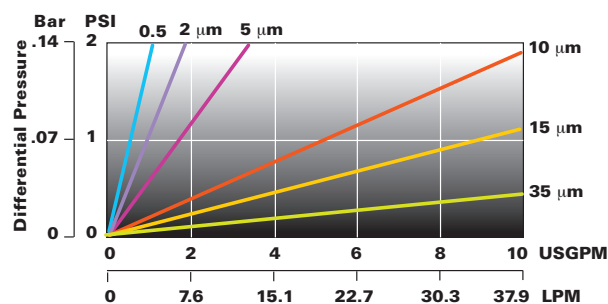
Filter Specification Code



LOFMET 2.36" (60mm) Water Flow Rate



LOFMET 2.75" (70mm) Water Flow Rate



The LOFMET filter is available with a variety of gasket and end cap configurations.

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