



Titanium Porous Metal Technology Filter Cartridges

“Eaton’s LOFMET filter cartridges 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 vessels

Filter Specifications

Media
Titanium

End caps
Titanium

Gaskets / O-Rings
EPDM, Buna-N, Silicone, Viton®, FEP encapsulated Viton (O-Rings only)

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

Dimensions / Parameters

Nominal lengths
5"; 10"; 20"; 30"
(12.7; 25.4; 50.8; 76.2 cm)

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

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

Max. operating temp.
371°C (700°F)*

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

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

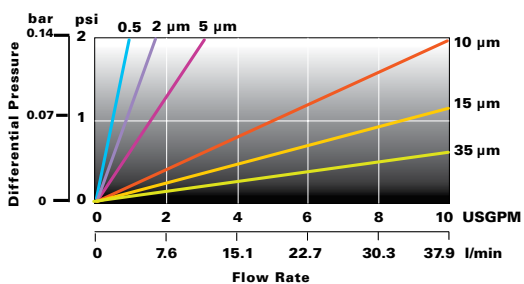
| Filter Removal Efficiency | | | |
|---------------------------|-------------------|----------------|----------------|
| Beta Ratio Efficiency | Beta 200 99.5% | Beta 20 95% | Beta 10 90% |
| 0.5 µm | 0.5 | 0.3 | 0.1 |
| 2 µm | 2 | 0.8 | 0.4 |
| 5 µm | 5 | 3 | 1 |
| 10 µm | 10 | 8 | 5 |
| 15 µm | 15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

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

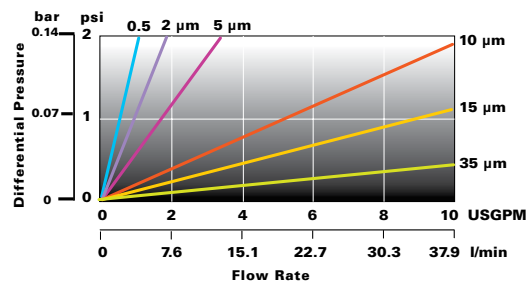


The LOFMET filter is available with a variety of gasket and end cap configurations.

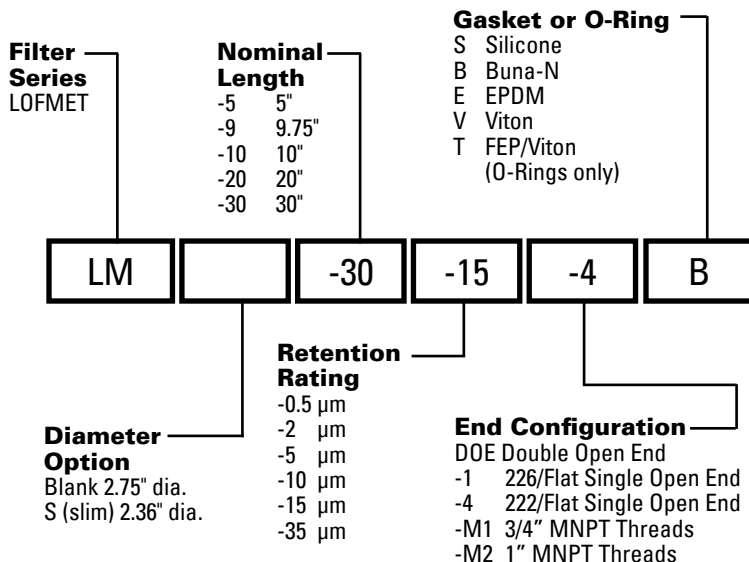
LOFMET 2.36" (60mm) Water Flow Rate



LOFMET 2.75" (70mm) Water Flow Rate



Filter Specification Code



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