LOFTREX™ M filter cartridges

Eaton's LOFTREX M filter cartridges are suitable, depending on the filter material, for the filtration of DI water (pre-filtration), RO pre-filtration, acids, alkalis, solvents, process chemicals, fine chemicals, e-coats, paints, lacquers, inks, resins, photo emulsions, amines, glycols, hydrocarbons (kerosene), waxes and many more.

LOFTREX M filter cartridges are made of high-purity polypropylene, polyamide 6.6 or polyester fibers. The microfibers are inflated to a support core in a controlled manner and thermally bonded in one operation without additives.

Features and benefits

- Made of high-purity polypropylene, polyamide 6.6 or polyester (meltblown)
- No adhesives or wetting agents
- Excellent chemical compatibility
- Available in all common end cap/adapter configurations to fit most industry-standard housings
- Individually sealed in plastic foil
- High dirt-holding capacity
- All materials used meet the FDA requirements according to 21 CFR § 177 (only LX M and LXN M types)

Specifications

Filter materials
Polypropylene (meltblown), polyamide 6.6 (meltblown) or polyester (meltblown)

Inner cores
Filter material polypropylene: Polypropylene

Filter material polyamide 6.6: Polyamide 6.6 fiberglass reinforced

Filter material polyester: Polyester

End caps
Filter material polypropylene: Polypropylene

Filter material polyamide 6.6: Polyamide 6.6

Filter material polyester: Polyester

O-rings
Silicone (standard), EPDM, FKM, FEP/FKM

Retention ratings
1, 3, 5, 10, 20, 50, 75, 90, 120, 150 µm @ 95% efficiency

Technical data

Nominal lengths
5", 9.75", 10", 19.5", 20", 29.25", 30", 39", 40" (127, 248, 254, 495, 508, 743, 762, 991, 1016 mm)

Outside diameter
2.5" (63 mm)

Inside diameter
1.1" (28 mm)

Max. operating temperatures

Polypropylene:	80°C
Polyamide 6.6:	150°C
Polyester:	120°C

Max. differential pressures

Polypropylene:	4.0 bar @	25°C
Polyamide 6.6*:	6.2 bar @	30°C
	5.5 bar @	70°C
	4.8 bar @	100°C
	3.4 bar @	150°C
Polyester:	5.0 bar @	25°C

* Only fiberglass reinforced polyamide 6.6 inner core

Recommended differential change-out pressure for disposal
2.4 bar

EPDM: Ethylene Propylene Diene Monomer Rubber
FKM: Fluoro Rubber
FEP: Tetrafluorethylen-Hexafluorpropylen-Copolymer
FDA: Food and Drug Administration

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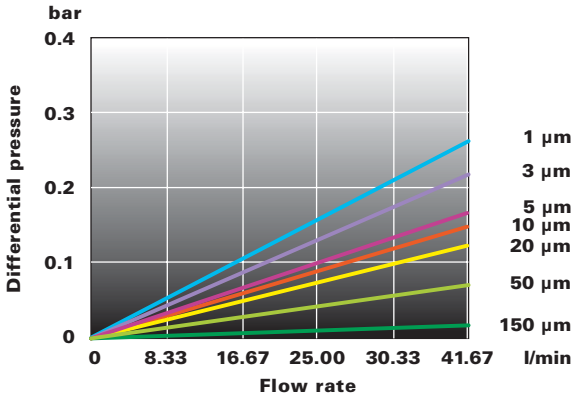
Flow rate*

(21°C per 10" element for water)



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

Ordering code

Nominal lengths
5: 5"
9: 9.75"
10: 10"
19: 19.5"
20: 20"
29: 29.25"
30: 30"
39: 39"
40: 40"

Retention
(efficiency 95%)

O-rings
(): Silicone
E: EPDM
V: FKM
T: FEP/FKM

LX	–	10	–	1	–	M	–	3	E

Filter type
LX: LOFTREX M (polypropylene)
LXN: LOFTREX M (polyamide 6.6)
LXPE: LOFTREX M (polyester)

Retention ratings
1: 1 µm
3: 3 µm [1, 2]
5: 5 µm
10: 10 µm
20: 20 µm
50: 50 µm
75: 75 µm [3]
90: 90 µm
120: 120 µm [3]
150: 150 µm [1, 2]

[1] Only LX [2] Only LXN [3] Only LXPE

Adapter codes
(): DOE without polyethylene gaskets
G: DOE with polyethylene gaskets
1: SOE 226 O-rings, bayonet/flat
2: SOE 222 O-rings, fin
3: SOE 226 O-rings, bayonet/fin
4: SOE 222 O-rings, flat

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QUALITY SYSTEM CERTIFICATION DNV ISO 9001