



LOFTREX™ M filter cartridges

Eaton's LOFTREX M filter cartridges are suitable, depending on the filter material, for the filtration of ultrapure water (pre-filtration), RO pre-filtration, acids, alkalis, solvents, process chemicals, fine chemicals, e-coats, paints, 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 micro-fibers are control inflated to a support core and thermally bonded in one operation without additives.

Features and benefits

- Made of high-purity polypropylene, polyamide 6.6 or polyester (melt blown)
- No binders or adhesives
- Excellent chemical compatibility
- Available in a variety of end cap/adaptor configurations to fit all 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)

Specifications

Filter materials

Polypropylene (melt blown), Polyamide 6.6 (melt blown) or Polyester (melt blown)

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

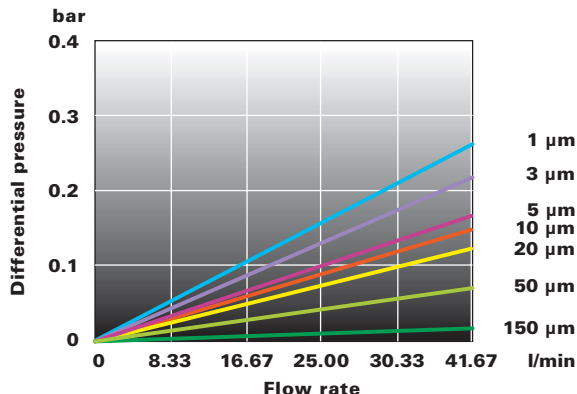


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LOFTREX M filter cartridges

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"

Efficiency (efficiency 95%)

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



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 µm³
- 90: 90 µm
- 120: 120 µm³
- 150: 150 µm^{1,2}

Adapter codes

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

¹Only LX ²Only LXN ³Only LXPE

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