



LOFTOP™ filter cartridges

Eaton's LOFTOP 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.

LOFTOP 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
- Beta rating of 5000, 99.98% efficiency
- Individually sealed in plastic foil
- High dirt-holding capacity
- All materials used meet the FDA requirements according to 21 CFR § 177 (only LT and LTN)

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

0.50, 1, 3, 5, 10, 20, 30, 50, 70, 90, 120 µm @ 99.98% efficiency

Technical data

Nominal lengths

10", 20", 30", 40"
(254, 508, 762, 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 pressure

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

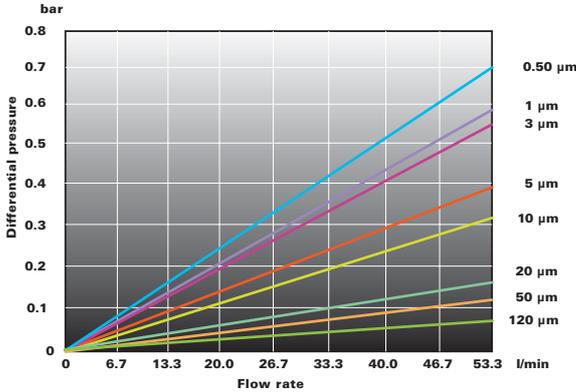


Powering Business Worldwide

LOFTOP filter cartridges

Flow rate*

(21°C per 10" element for water)



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

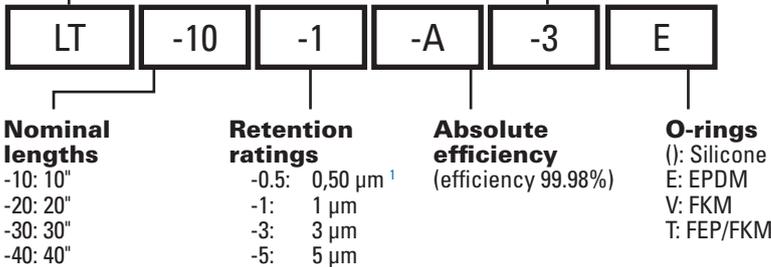
Ordering code

Filter type

LT: LOFTOP (Polypropylene)
 LTN: LOFTOP (Polyamide 6.6)
 LTPE: LOFTOP (Polyester)

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



¹ Only LT ² Only LTPE

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