



## LOFTOP™ filter cartridges

Eaton's LOFTOP 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.

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 (meltblown)
- No adhesives or wetting agents
- Excellent chemical compatibility
- Available in all common end cap/adaptor configurations to fit most industry-standard housings
- Beta rating of 5000 and 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 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

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 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

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

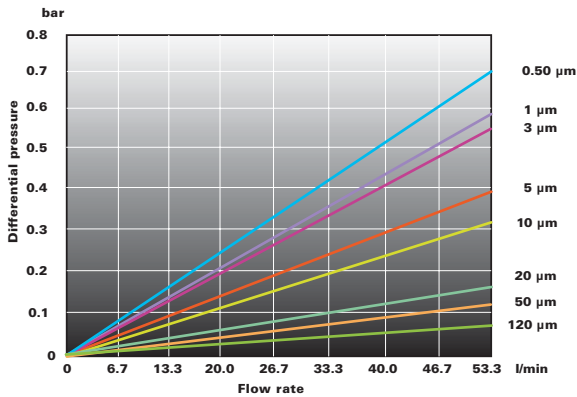


Powering Business Worldwide

# 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 types

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, fin  
 3: SOE 226 O-rings, bayonet/fin  
 4: SOE 222 O-rings, flat



### Nominal lengths

10: 10"  
 20: 20"  
 30: 30"  
 40: 40"

### Retention ratings

0.5: 0.50 µm<sup>1</sup>  
 1: 1 µm  
 3: 3 µm  
 5: 5 µm  
 10: 10 µm  
 20: 20 µm  
 30: 30 µm<sup>2</sup>  
 50: 50 µm  
 70: 70 µm<sup>2</sup>  
 90: 90 µm<sup>1,2</sup>  
 120: 120 µm<sup>1,2</sup>

<sup>1</sup> Only LT <sup>2</sup> Only LTPE

### Absolute retention (efficiency 99.98%)

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

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 EF-LT  
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