

High Efficiency Polypropylene Filter Cartridge

"LOFPLEAT-HE from Eaton is suitable for a wide range of applications including food & beverage, RO prefilters, DE trap, aqueous solutions, chemicals, photoresists, pharmaceuticals, cosmetics, ultrapure water, ink and more."

Multi-layer melt blown polypropylene media allows for high flow rates while maintaining low differential pressure. This unique design provides the ideal depth filtration characteristics for a wide range of applications.

Features and Benefits

- Retentions from 0.1 to 10 microns
- Acceptable for food and beverage applications
- Meets USP Class VI biological tests for plastics
- Filtration efficiency of 95%
- Eliminates dirt unloading at high differential pressure due to fixed pore structure

- High dirt holding capability with multi-layer, graded pore design
- Polypropylene construction compatible with broad range of system liquids

Filter Specifications

Construction material
Polypropylene

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

Micron ratings
0.1, 0.2, 0.4, 0.6, 1.0, 3.0, 5.0, 10 µm

Dimensions / Parameters

Nominal lengths
9.75", 10", 20", 30", 40"
(24.7, 25.4, 50.8, 76.2, 101.6 cm)

Outside diameter
2.7" (6.9 cm)

Inside diameter
1.0" (2.54 cm)

Max. operating temp.
176°F (80°C)

Max. differential pressure
80 psid @ 70°F (5.5 bar @ 21°C)
40 psid @ 176°F (2.8 bar @ 80°C)

Max. reverse differential pressure
40 psid @ 70°F (2.8 bar @ 80°C)

Recommended change-out pressure for disposal
35 psid (2.4 bar)

Performance Specifications

Sanitization
Hot water at 176°F (80°C) at 5 psid (0.35 bar) for 30 min.

In-line steam at 257°F (125°C) at 1 psid (0.07 bar) for 30 min.

Autoclavable at 257°F (125°C) for 30 min.

FDA Listed Materials

All materials comply with FDA title 21 of the Code of Federal Regulations as applicable for food and beverage contact.

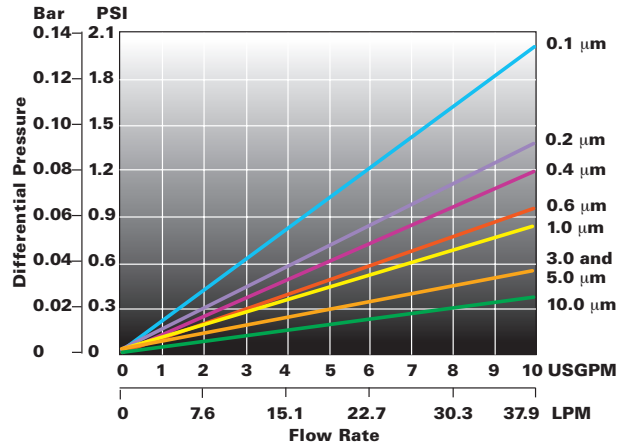


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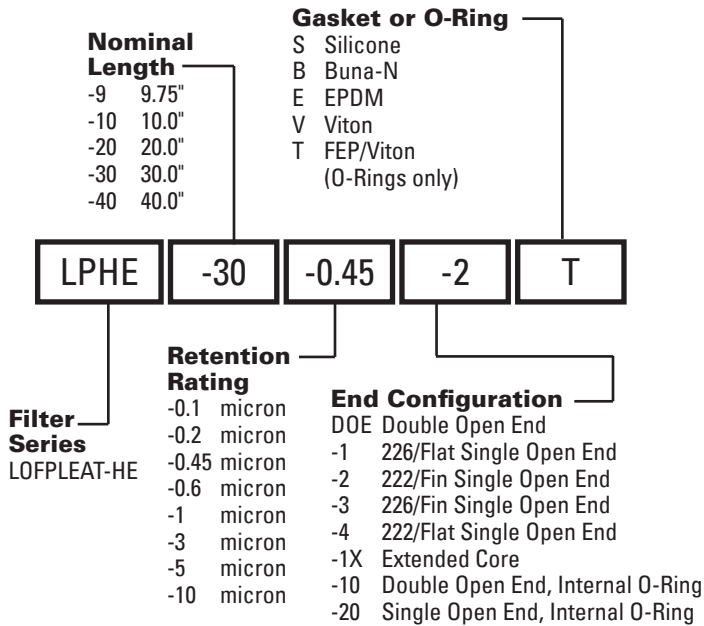
Filter Removal Efficiency

Beta Ratio Efficiency	Beta 100 99%	Beta 20 95%
0.1 micron	0.8	0.1
0.2 micron	1.0	0.2
0.4 micron	2.0	0.4
0.6 micron	3.0	0.6
1.0 micron	6.0	1.0
3.0 micron	14	3.0
5.0 micron	17	5.0
10.0 micron	25	10.0

LOFPLEAT-HE Water Flow Rate (ambient temp. per 10" cartridge)



Filter Specification Code



The LOFPLEAT-HE filter is available with a variety of gasket, O-ring and end cap configurations.

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