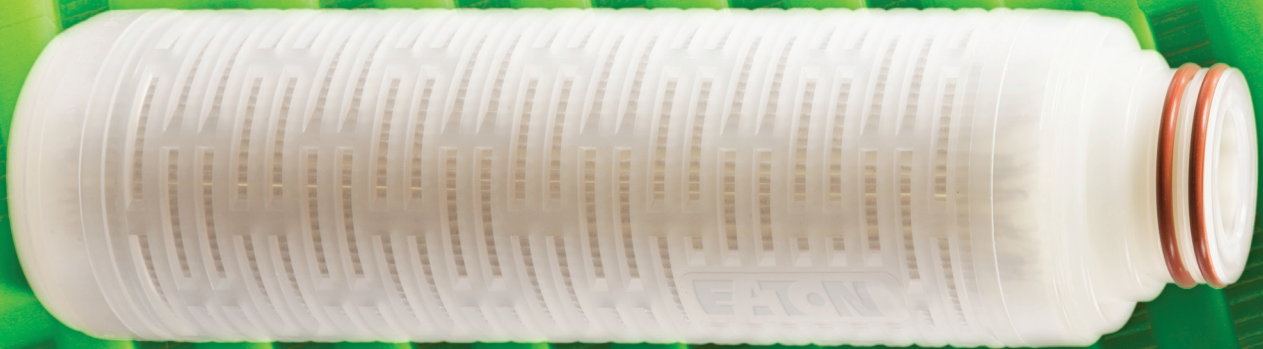




## High Efficiency Polypropylene Filter Cartridge

*"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.

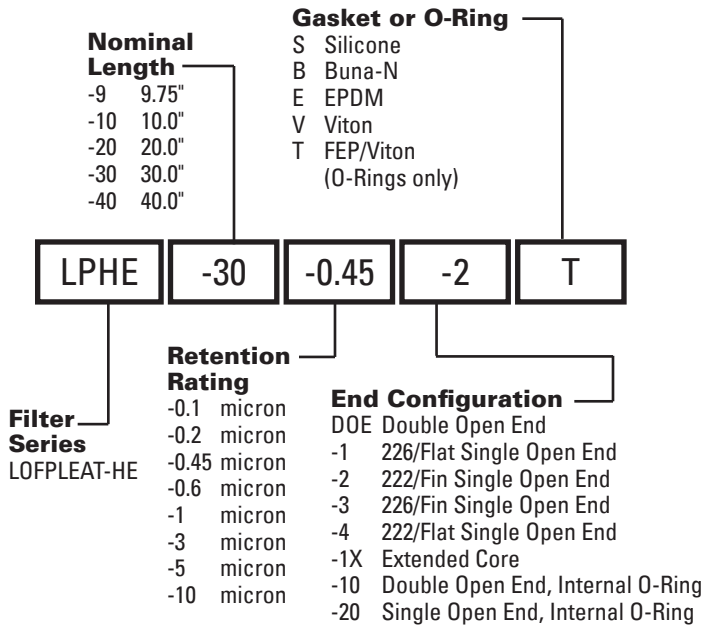


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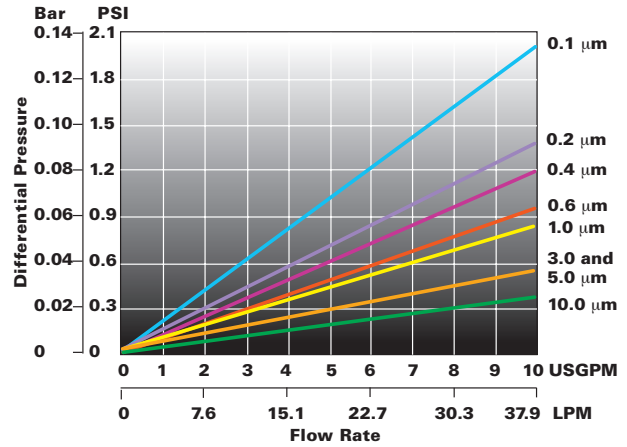
## Filter Removal Efficiency

| 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        |

## Filter Specification Code



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



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

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