



LENNTECH

High Temperature Micro Fiberglass Filter Cartridge

"LOFPLEAT-HT filter cartridge from Eaton is a popular choice in a variety of applications, including: petrochemicals, solvents, boiler water, lube oil, chemicals, inks and oil & gas."

The Eaton High Temperature Micro Fiberglass Filter Cartridge offers the convenience of disposable, media with a high efficiency Borosilicate Micro Fiberglass media construction. This versatile cartridge offers a greater surface area and high system flow rate.

Features and Benefits

- High temperature filtration capability of 230°F (110°C)
- Consistent pore size for high efficiency removal of debris
- Polyester hardware offers increased range over those of standard polypropylene
- High surface area for increased flow and dirt holding capacity
- Long service life provides low cost changeout benefits

- Maximum differential pressure dirt unloading eliminated by fixed pore construction
- Broad application range with micron retentions from 0.2 µm to 30 µm

Filter Specifications

Media

Borosilicate micro fiberglass with acrylic binder

End caps

Polyester

Inner core

Polyester

Gaskets/O-Rings

Buna-N, EPDM, Silicone, Teflon® encapsulated Viton® O-Rings

Cage

Polyester

Support layers

Polyester

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)

Micron ratings

0.2, 0.45, 1.0, 3.0, 10, 30 µm

Operating Parameters

Max operating temp.

230°F (110°C)

Max differential pressure

75 psid @ 70°F (5.2 bar @ 21°C)
60 psid @ 200°F (4.1 bar @ 93°C)
50 psid @ 230°F (3.4 bar @ 110°C)

Recommended changeout pressure for disposal

35 psid (2.4 bar)



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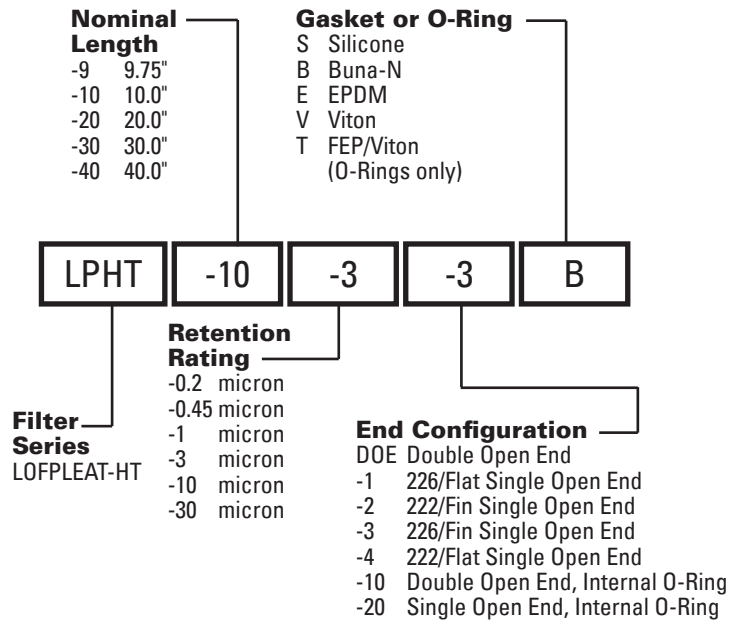
Filter Removal Efficiency

Beta Ratio Efficiency	Beta 10 90%	Beta 20 95%	Beta 100 99%	Beta 1000 99.9%	Beta 5000 99.98%
0.2 micron	0.2	0.3	0.6	0.8	1.0
0.45 micron	0.45	0.6	0.8	1.8	2.0
1.0 micron	1.0	1.3	2.0	3.5	4.0
3.0 microns	3.0	4.0	5.5	9.0	10.0
10.0 microns	10.0	12.0	15.0	17.0	18.0
30.0 microns	30.0	35.0	38.0	42.0	45.0

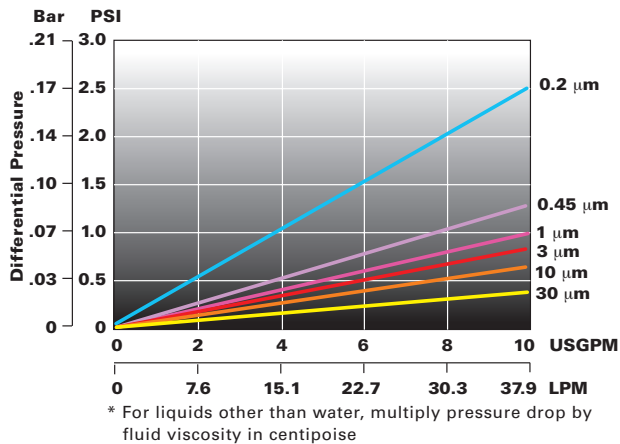
$$\text{Beta Ratio} = \frac{\text{Upstream particle counts}}{\text{Downstream particle counts}}$$

The micron ratings shown at various efficiency and beta ratio value levels were determined through laboratory testing, and can be used as a guide for selecting cartridges and estimating their performance. Under actual field conditions, results may vary somewhat from the values shown due to the variability of filtration parameters. Testing was conducted using the single-pass test method, water at 2.5 gpm/10" cartridge. Contaminants included latex beads, coarse and fine test dust. Removal efficiencies were determined using dual laser source particle counters.

Filter Specification Code



LOFPLEAT-HT Flow Rate (70°F/21°C per 10" cartridge)



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

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