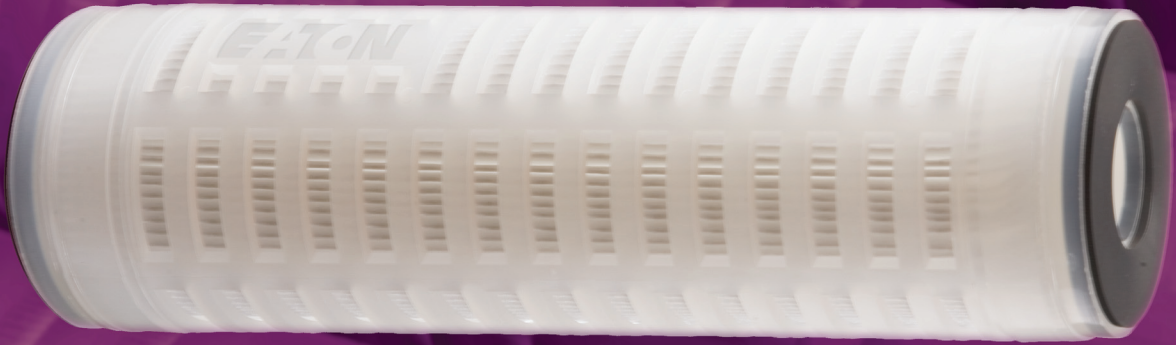




Economically Efficient Pleated Filter Cartridges

“LOFPLEAT-EE from Eaton is an all-polypropylene filter with an economically efficient design suitable for a wide range of process applications.”

This disposable filter element can be used for a wide range of applications. The pleated polypropylene filter media provides a high amount of filtration surface area which allows for maximized flow rate in the system.

Features and Benefits

- Filtration efficiency of 90%
- Retentions from 0.2 to 50 microns
- Meets USP Class VI biological tests for plastics
- Manufactured in lengths up to 40 inches
- Pore structure design resists dirt unloading
- Polypropylene construction and multiple gasket/O-Ring options for broad application

Filter Specifications

Media

Polypropylene

Inner core

Polypropylene

End caps

Polypropylene

Cage

Polypropylene

Gaskets/O-Rings options

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

Micron ratings

0.2, 0.25, 0.45, 0.5, 1.0, 2.0, 5.0, 10, 25, 50 µm *Other micron rated media available upon request

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

1.1" (2.79 cm)

Max. operating temp.

176°F (80°C)

Differential pressure

75 psid @ 70°F (5.2 bar @ 21°C)
40 psid @ 176°F (2.8 bar @ 80°C)
15 psid @ 190°F (1.03 bar @ 88°C)

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

FDA compliance

All polypropylene material used in manufacturing complies with the regulations of the FDA title 21 of the Code of Federal Regulations Sections 174.5, 177.1520, and 177.1630, as applicable for food and beverage contact.



Powering Business Worldwide™

Filter Removal Efficiency

Beta Ratio Efficiency	Beta 50 98%	Beta 10 90%
0.2 micron	0.28	0.20
0.25 micron	0.35	0.25
0.45 micron	0.6	0.45
0.5 micron	0.7	0.5
1.0 micron	1.5	1.0
2.0 micron	2.7	2.0
5.0 micron	7.0	5.0
10.0 micron	12.0	10.0
25.0 micron	32.0	25.0
50.0 micron	70.0	50.0

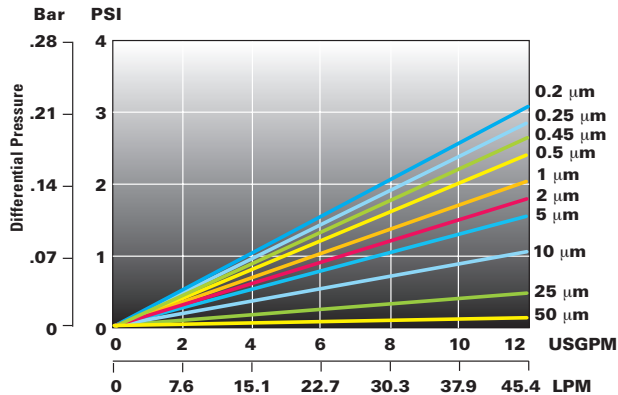


The LOPLEAT-EE filter is available with a variety of gasket, O-ring and end cap configurations.

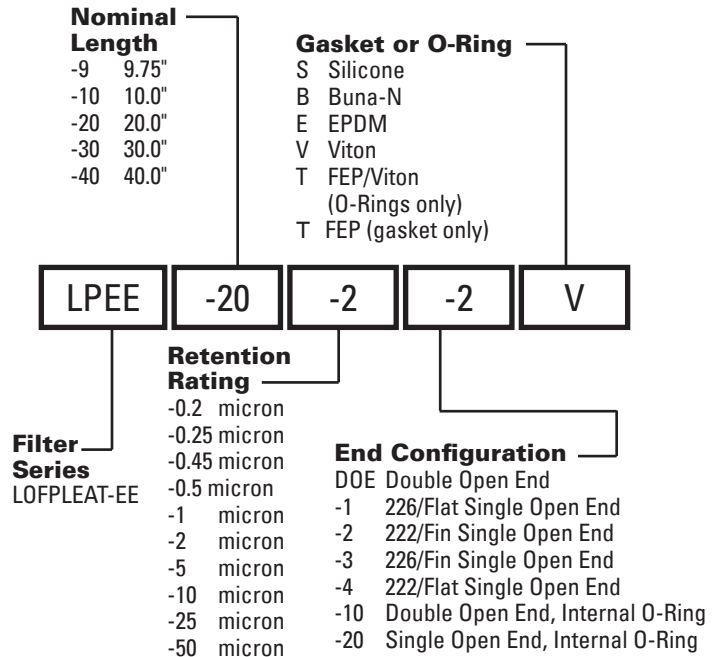
$$\text{Beta Ratio} = \frac{\text{Upstream particle counts}}{\text{Downstream particle counts}}$$

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.

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



Filter Specification Code



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LENNTECH

info@lennotech.com Tel. +31-152-610-900
www.lennotech.com Fax. +31-152-616-289