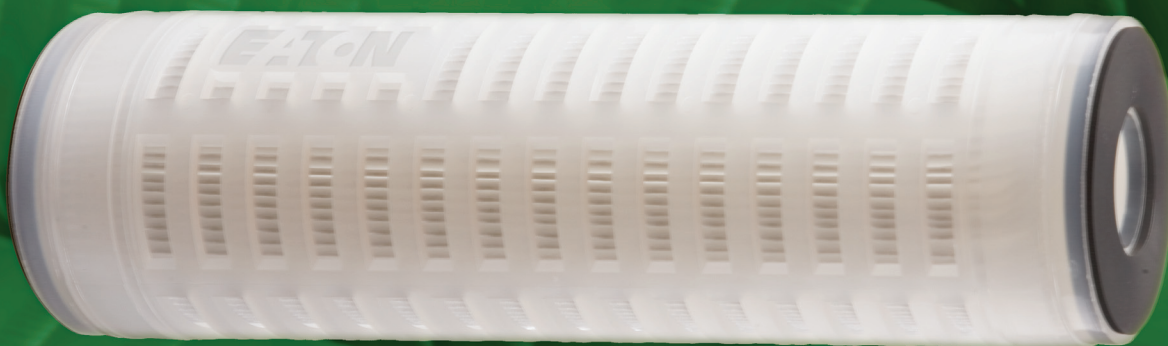




Absolute Rated Pleated Filter Cartridges

"The broad range of absolute rated pore sizes makes the LOFPLEAT-AG from Eaton suitable for a wide range of critical process applications."

Get absolute efficiency with this cost-effective all-polypropylene cartridge. The pleated design provides a large surface area for long-lasting filtration efficiency.

Features and Benefits

- Fits broad application range with 0.2 to 100 micron retention
- Acceptable for food and beverage applications
- Meets USP Class VI biological tests for plastics
- Beta rating of 5000, 99.98% efficiency
- High flow and long life for minimum maintenance
- Available in continuous lengths up to 40 inches
- Eliminates dirt unloading at high differential pressures due to fixed pore structure

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, 0.45, 1.0, 2.5, 5.0, 10, 25, 50, 100 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

1.1" (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.



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Filter Removal Efficiency			
Beta Ratio Efficiency	Beta 5000 99.98%	Beta 100 99%	Beta 50 98%
0.2 micron	0.20	0.10	0.05
0.45 micron	0.45	0.30	0.20
1.0 micron	1.0	0.60	0.30
2.5 micron	2.5	2.0	1.5
5.0 micron	5.0	4.0	3.0
10.0 micron	10.0	8.0	7.0
25.0 micron	25.0	19.0	15.0
50.0 micron	45.0	35.0	28.0
100.0 micron	—	100.0	85.0

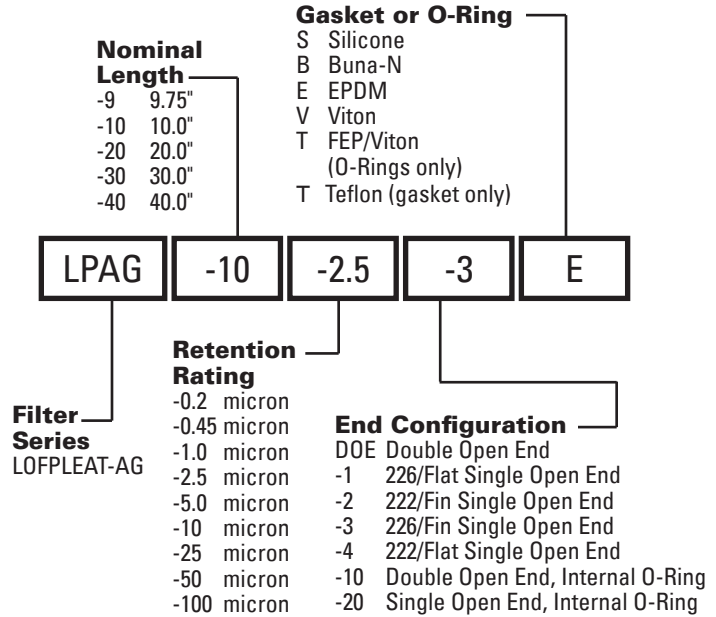
$$\text{Beta Ratio} = \frac{\text{Upstream particle counts}}{\text{Downstream particle counts}}$$

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 3 gpm/10" cartridge. Contaminants included latex beads, coarse and fine dust. Removal efficiencies were determined using dual laser source particle counters.

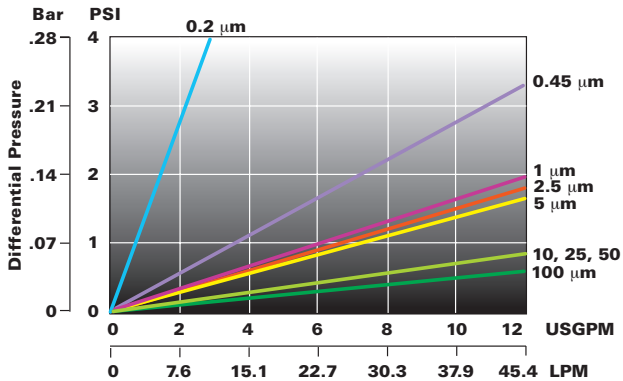


The LOPLEAT-AG filter is available with a variety of gasket, O-ring and end cap configurations.

Filter Specification Code



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



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