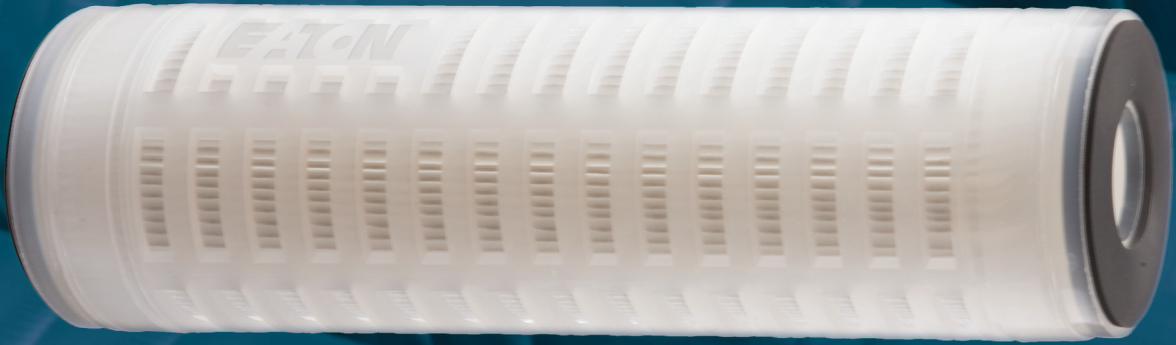




Absolute Rated Polypropylene Filter for Inks, Slurries and Coatings

"LOFPLEAT-HV from Eaton is an all-polypropylene filter with unique characteristics that are ideal for: inks, CMP P-O-U and bulk slurries, adhesives, paints, beverages, coatings"

LOFPLEAT-HV is designed for the filtration of compounds containing agglomerated particles and gels or with high viscosity. The extra-loft, extra-life depth filter configuration allows for absolute retention performance throughout the pleated, serialized microfiber matrix. The large surface area and optimized structure provides higher flow rates and throughputs than cylindrical melt blown filters.

Features and Benefits.

- High surface area and graduated pore structure
- Manufactured from all polypropylene construction for optimum compatibility with wide range of system liquids
- Pleated media offers best combination of retention, flow rate and throughput

- Superior agglomerated particle and gel retention
- Constructed from FDA approved materials that meets USP Class VI biological tests for plastics
- All common end configurations available to fit most filter housings

Filter Specifications

Media

Polypropylene

Core, cage, end caps

Polypropylene

Gaskets/O-Rings options

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

Micron ratings

0.45, 0.5, 1, 3, 5, 10, 20, 40 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)

Max. 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)

Max. reverse differential pressure

35 psid @ 80°F (2.4 bar @ 27°C)

Recommended change-out pressure for disposal

35 psid (2.43 bar)

Sterilization

Cartridges may be autoclaved for 30 minutes at 250°F (121°C) under no end load conditions. May be inline sanitized with 185°F (85°C) hot water— do not exceed 3 psid.



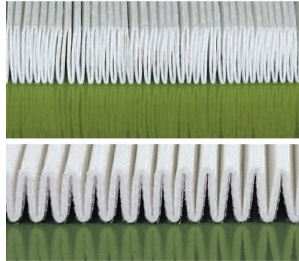
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Filter Removal Efficiency

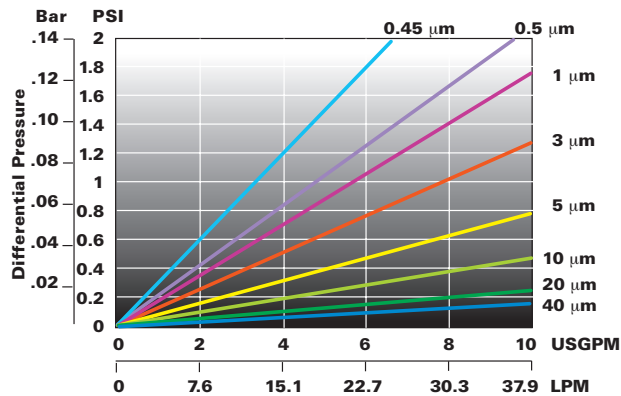
Beta Ratio Efficiency	Beta 1000 99.9%	Beta 100 99%	Beta 50 98%
0.45 micron	0.45	0.3	0.2
0.5 micron	0.65	0.45	0.3
1 micron	1.5	0.8	0.6
3 microns	3	2	1
5 microns	5	4	3
10 microns	10	8	7
20 microns	20	19	17
40 microns	40	35	25

Typical pleated filters shown on top.

The LOFPLEAT-HV media (below) features high-loft pleats for filtration of high viscosity substances.

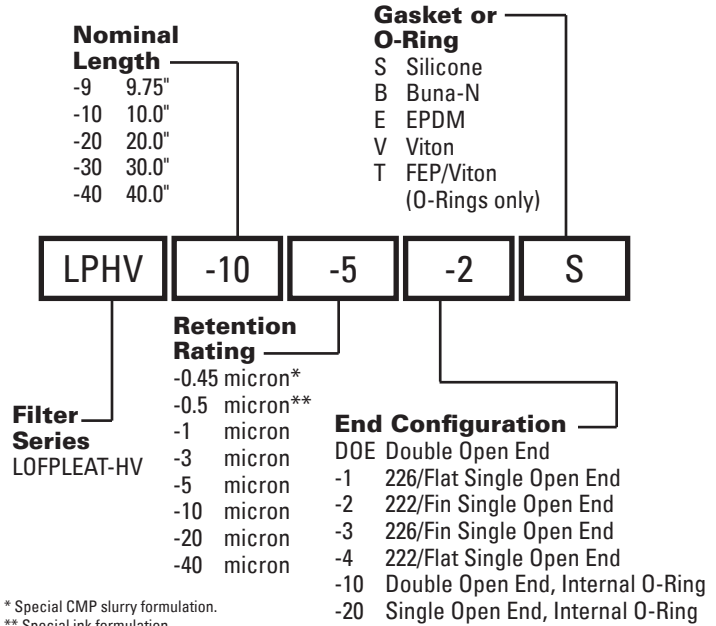


LOFPLEAT-HV Flow Rate (70°F/21°C per 10" cartridge)



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

Filter Specification Code



* Special CMP slurry formulation.
** Special ink formulation.

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