

Pleated Micro Fiberglass Filter Cartridge

“LOFPLEAT-GG from Eaton is ideal for use in the pre-filtration of wine, for magnetic tape coatings and as a blowdown post filter. It is also widely used in the chemical, ink, and oil & gas industries.”

The Eaton Pleated Micro Fiberglass Filter is a disposable, high efficiency cartridge that can be effectively used in a variety of industrial applications. Featuring Borosilicate Micro Fiberglass media construction, this versatile cartridge offers a greater surface area for high surface flow rate

Features and Benefits

- High adsorptive capacity and efficiency
- A broad range of applications, featuring micron ratings from 0.2 to 30 µm
- High efficiency cartridge offering standardized pore size

- High dirt holding and flow capability with increased surface area.
- Less changeouts means reduced labor costs
- Eliminates dirt unloading at maximum differential pressure due to stable pore construction

Filter Specifications

End caps
Polypropylene

Media
Borosilicate micro fiberglass with acrylic binder

Inner core
Polypropylene

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

Cage
Polypropylene

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.
176°F (80°C)

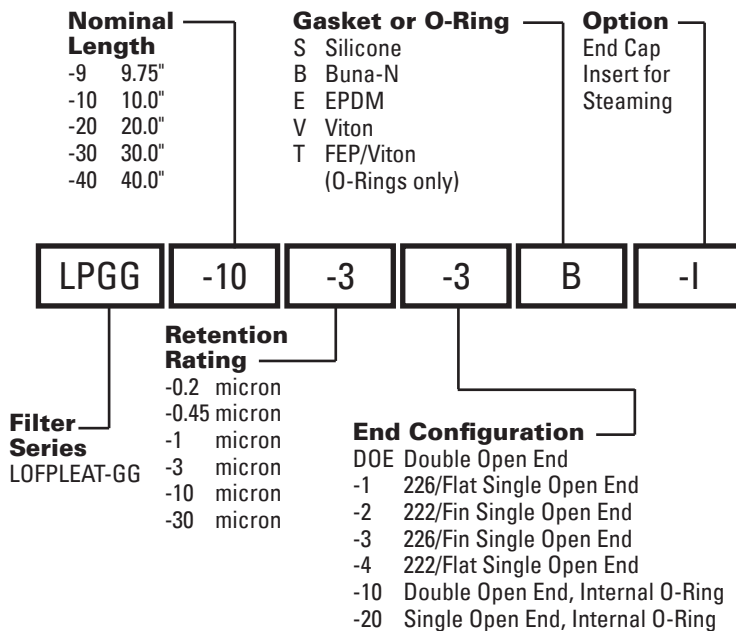
Max differential pressure
80 psid @ 70°F (5.5 bar @ 21°C)
40 psid @ 150°F (2.8 bar @ 65°C)



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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 micron	3.0	4.0	5.5	9.0	10.0
10.0 micron	10.0	12.0	15.0	17.0	18.0
30.0 micron	30.0	35.0	38.0	42.0	45.0

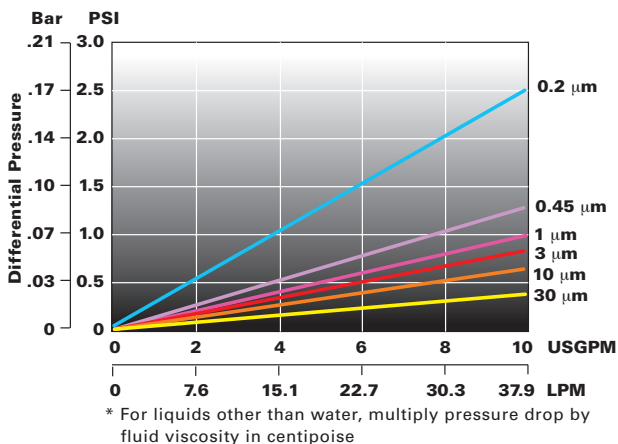
Filter Specification Code



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

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



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

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