



## 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, this versatile cartridge offers a greater surface area for high flow rates.

### Features and Benefits

- High efficiency cartridge offering standardized pore size
- A broad range of applications, featuring micron ratings from 0.2 to 30 µm
- High dirt holding and flow capability with increased surface area

- Due to less change-outs  
Reduced labor costs
- Fixed pore structure prevents dirt unloading even at maximum differential pressure

### Filter Specifications

#### End caps

Polypropylene

#### Media

Borosilicate micro fiberglass with acrylic binder

#### Inner core

Polypropylene

#### Gaskets/O-Rings

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

#### Cage

Polypropylene

### Support layers

Polyester

### Nominal lengths

5"; 9.75"; 10"; 20"; 30"; 40"  
(12.7; 24.8; 25.4; 50.8; 76.2; 101.6 cm)

### Outside diameter

2.7" (6.9 cm)

### Inside diameter

1" (2.54 cm)

### Surface area

0.47 m<sup>2</sup> (5.1 ft<sup>2</sup>) per 10 inch element

### Micron ratings

0.2, 0.45, 1, 3, 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)



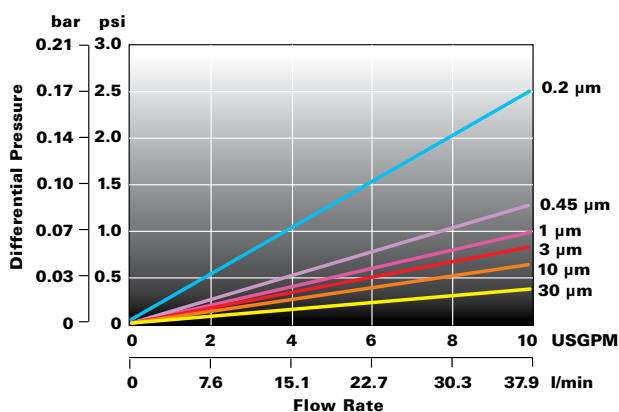
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Filter Removal Efficiency					
Beta Ratio Efficiency	Beta 10 90%	Beta 20 95%	Beta 100 99%	Beta 1000 99.9%	Beta 5000 99.98%
0.2 µm	0.2	0.3	0.6	0.8	1
0.45 µm	0.45	0.6	0.8	1.8	2
1 µm	1	1.3	2	3.5	4
3 µm	3	4	5.5	9	10
10 µm	10	12	15	17	18
30 µm	30	35	38	42	45

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

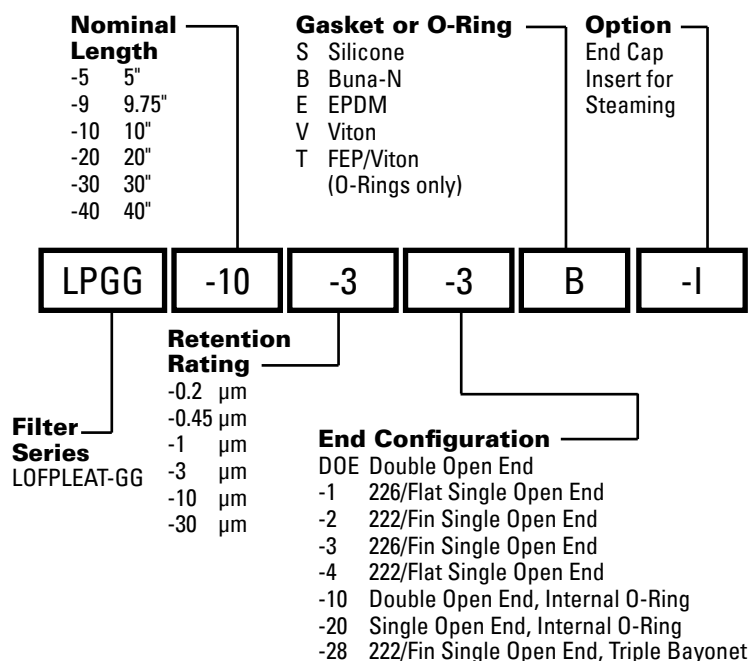
The micron ratings shown at various efficiency and beta ratio value levels were determined through laboratory testing, and can be used as a guide for selecting cartridges and estimating their performance. Under actual field conditions, results may vary somewhat from the values shown due to the variability 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\* (21°C/70°F per 10" cartridge)



\* For liquids other than water, multiply pressure drop by fluid viscosity in centipoise

### Filter Specification Code



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

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