LOFPLEAT™ GG
micro fiberglass filter cartridges

Eaton’s LOFPLEAT GG filter cartridges are suitable for the filtration of magnetic tape coatings and as a blowdown post filter. They are also widely used in the chemical, ink, and oil and gas industries.

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

Design
- Filter material: Borosilicate micro fiberglass with acrylic binder
- Inner core, cage, end caps: Polypropylene
- Gaskets/O-rings: Silicone (standard), Buna-N, EPDM, FPM, FEP encapsulated O-Rings
- Support layers: Polyester
- Retention ratings: 0.2, 0.45, 1, 3, 10, 30 µm @ 90% efficiency

Technical data
- 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 m² per 10" element
- Max. operating temperature: 80 °C
- Max. differential pressure: 5.5 bar @ 21 °C
- Recommended differential change-out pressure for disposal: 2.4 bar
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**Flow rate* (21 °C per 10’ filter cartridge)**

![Flow rate graph]

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

**Efficiency of retention**

<table>
<thead>
<tr>
<th>Beta ratio</th>
<th>Beta 10</th>
<th>Beta 20</th>
<th>Beta 100</th>
<th>Beta 1000</th>
<th>Beta 5000</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>90%</td>
<td>95%</td>
<td>99%</td>
<td>99.9%</td>
<td>99.98%</td>
</tr>
<tr>
<td>0.2 µm</td>
<td>0.2</td>
<td>0.3</td>
<td>0.6</td>
<td>0.8</td>
<td>1</td>
</tr>
<tr>
<td>0.45 µm</td>
<td>0.45</td>
<td>0.6</td>
<td>0.8</td>
<td>1.8</td>
<td>2</td>
</tr>
<tr>
<td>1 µm</td>
<td>0.1</td>
<td>1.3</td>
<td>2</td>
<td>3.5</td>
<td>4</td>
</tr>
<tr>
<td>3 µm</td>
<td>0.3</td>
<td>4</td>
<td>5.5</td>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td>10 µm</td>
<td>0.12</td>
<td>15</td>
<td>17</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>30 µm</td>
<td>0.35</td>
<td>38</td>
<td>42</td>
<td>45</td>
<td></td>
</tr>
</tbody>
</table>

**Beta ratio = Upstream particle counts / 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 9.46 l/min/10” cartridge. Contaminants included latex beads, coarse and fine test dust. Removal efficiencies were determined using dual laser source particle counters.

**Ordering code**

- Nominal lengths:
  - 5: 5”
  - 9: 9.75”
  - 10: 10”
  - 20: 20”
  - 30: 30”
  - 40: 40”

- Gaskets or O-rings:
  - S: Silicone
  - B: Buna-N
  - E: EPDM
  - V: FPM
  - T: FEP encapsulated (O-rings only)

- Option:
  - -I: End cap insert for steaming

- Filter type:
  - LPGG: 10 - 3 - 3 - B - I

- Retention ratings:
  - -0.2 µm
  - -0.45 µm
  - -1 µm
  - -3 µm
  - -10 µm
  - -30 µm

- Adaptor codes:
  - -DOE: Double open end
  - -1: 226/Flat single open end
  - -2: 222/Fin single open end
  - -3: 226/Fin single open end
  - -4: 222/Flat single open end
  - -10: Double open end, internal O-ring
  - -20: Single open end, internal O-ring
  - -28: 222/Fin single open end, triple bayonet

For pricing and information please call Commercial Filtration Supply at (855)-236-0467

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