LOFPLEAT™ HT high temperature micro fiberglass filter cartridges

Eaton’s LOFPLEAT HT filter cartridges are a popular choice in a variety of applications, including petrochemicals, solvents, boiler water, lube oil, chemicals, inks and oil and gas.

This disposable, pleated high temperature filter cartridge with a high efficiency borosilicate micro fiberglass filter material construction offers a high surface area and high system flow rate.

**Features and benefits**
- High temperature filtration capability of up to 110 °C
- Consistent pore size for high efficiency removal of debris
- Polyester hardware offers increased range over those of standard polypropylene
- High surface area for increased flow and dirt-holding capacity
- Long service life provides low-cost change-out benefits
- Maximum differential pressure dirt unloading eliminated by fixed pore construction
- Broad application range with retention ratings from 0.2 to 30 μm

**Design**

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

**Technical data**

- **Nominal lengths**: 5”, 8.75”, 10”, 20”, 30”, 40” (12.7, 24.7, 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**: 110 °C
- **Max. differential pressures**
  - 5.2 bar @ 21 °C
  - 4.1 bar @ 93 °C
  - 3.4 bar @ 110 °C
- **Recommended differential change-out pressure for disposal**: 2.4 bar
Flow rate* (21 °C per 10" filter cartridge)

Efficiency of retention

<table>
<thead>
<tr>
<th>Beta ratio</th>
<th>Beta 10 90%</th>
<th>Beta 20 95%</th>
<th>Beta 100 99%</th>
<th>Beta 1000 99.9%</th>
<th>Beta 5000 99.98%</th>
</tr>
</thead>
<tbody>
<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>1</td>
<td>1.3</td>
<td>2</td>
<td>3.5</td>
<td>4</td>
</tr>
<tr>
<td>3 μm</td>
<td>3</td>
<td>4</td>
<td>5.5</td>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td>10 μm</td>
<td>10</td>
<td>12</td>
<td>15</td>
<td>17</td>
<td>18</td>
</tr>
<tr>
<td>30 μm</td>
<td>30</td>
<td>35</td>
<td>38</td>
<td>42</td>
<td>45</td>
</tr>
</tbody>
</table>

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

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.

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LOFPLEAT HT filter cartridges are available with a variety of gasket, O-ring and end cap configurations.

**Ordering code**

<table>
<thead>
<tr>
<th>Nominal lengths</th>
<th>LPHT</th>
<th>-10</th>
<th>-3</th>
<th>-3</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gaskets or O-rings</td>
<td>S: Silicone</td>
<td>B: Buna-N</td>
<td>E: EPDM</td>
<td>V: FPM</td>
<td>T: FEP/FPM (O-rings only)</td>
</tr>
<tr>
<td>Retention ratings</td>
<td>-0.2 μm</td>
<td>-0.45 μm</td>
<td>-1 μm</td>
<td>-3 μm</td>
<td>-10 μm</td>
</tr>
<tr>
<td>Adapter codes</td>
<td>-DOE: Double open end</td>
<td>-1: 226/Flat single open end</td>
<td>-2: 222/Flat single open end</td>
<td>-20: Double open end, internal O-ring</td>
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<tr>
<td></td>
<td>-4: 226/Fin single open end</td>
<td>-10: Double open end, internal O-ring</td>
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<td></td>
</tr>
</tbody>
</table>

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

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Request a Quote Today!