LOFPLEAT™ CP
cross-pleated high flow filter cartridges

Eaton’s absolute rated LOFPLEAT CP filter cartridges are suitable for a wide range of process applications, including RO pre-filters, chemicals, wastewater and many more.

LOFPLEAT CP filter cartridges are high efficiency, high performance filter elements. Constructed with a large surface, melt blown polypropylene media they provide a high dirt-holding capacity with low initial pressure drop.

Features and benefits
- High surface area for increased flow and dirt-holding capacity
- 20 m² of surface area per 39” length
- Long service life provides low cost change-out benefits
- Polypropylene construction for use in a variety of fluids

Design
- **Filter material**: Polypropylene
- **Inner core, cage, end caps**: Polypropylene
- **O-rings**: EPDM (standard), silicone, fluorelastomer, FEP encapsulated O-rings

Retention ratings
1, 5, 10, 20, 30, 40, 70 µm @ 99.98% efficiency

Technical data
- **Nominal length**: 39” (99.1 cm)
- **Outside diameter**: 6.5” (16.5 cm)
- **Inside diameter**: 1.6” (4 cm)
- **Surface area**: 20 m² per 39” element
- **Max. operating temperature**: 80°C
- **Max. differential pressure**: 3.5 bar @ 25°C
LOFPLEAT CP cross-pleated high flow filter cartridges

Flow rate*
(21 °C per 39" filter cartridge)

Efficiency of retention

<table>
<thead>
<tr>
<th>Beta ratio efficiency of retention</th>
<th>Beta 5000</th>
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<tbody>
<tr>
<td>1 µm</td>
<td>1</td>
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<tr>
<td>5 µm</td>
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<td>10 µm</td>
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<td>40 µm</td>
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<td>70 µm</td>
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</tbody>
</table>

Beta ratio = \( \frac{\text{Upstream particle counts}}{\text{Downstream particle counts}} \)

Beta ratio values 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.

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

Ordering code

- **Nominal length**: -39: 39"

- **Filter type**: LPCP: LOFPLEAT CP

- **O-rings**
  - S: Silicone
  - E: EPDM
  - V: Fluorelastomer
  - T: FEP encapsulated

- **Retention ratings**
  - -1 µm
  - -5 µm
  - -10 µm
  - -20 µm
  - -30 µm
  - -40 µm
  - -70 µm

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

Request a Quote Today!

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