



LOFPLEAT™ CP radial 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 and wastewater.

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

Features and benefits

- High surface area for increased flow and dirt-holding capacity
- 10.7 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

Specifications

Filter material
Polypropylene

Inner core, cage, end caps
Polypropylene

O-ring
EPDM

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

Technical data

Nominal length
39" (991 mm)

Outside diameter
6.5" (165 mm)

Inside diameter
1.9" (48 mm)

Surface area
115.2 ft² (10.7 m²) per 39" element

Max. operating temperature
176 °F (80 °C)

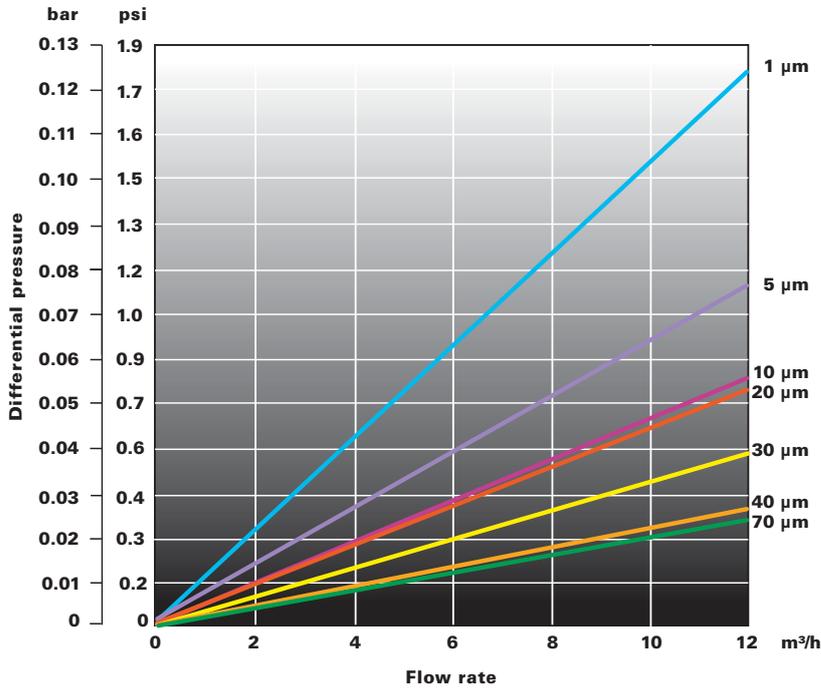
Max. differential pressure
43.5 psid @ 70 °F (3.0 bar @ 21 °C)



LOFPLEAT CP cross-pleated high flow filter cartridges

Flow rate*

(70°F/21 °C per 39" element for water)



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

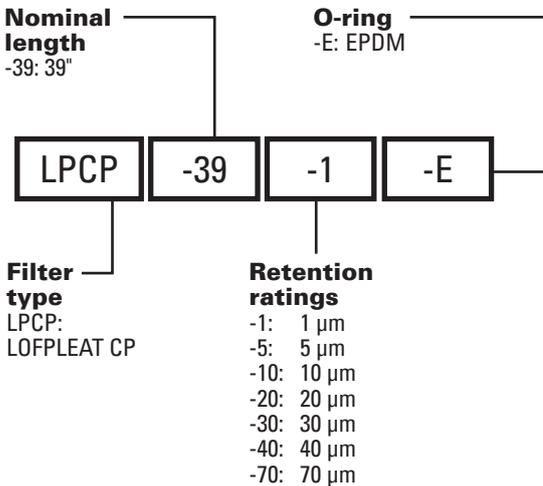
Efficiency of retention

Beta ratio efficiency of retention	Beta 5000 99.98%
1 µm	1
5 µm	5
10 µm	10
20 µm	20
40 µm	40
70 µm	70

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

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.

Ordering code



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EF-LPCP
06-2020

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