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, 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 differential pressure.

Features and benefits

- High surface area for increased flow and dirt-holding capacity
- 20 m² of surface area per 40" 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), FPM

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

Technical data

Nominal length
-40: 40"
-60: 60"

Outside diameter
6.5" (165 mm)

Inside diameter
1.6" (40 mm)

Surface area
216 ft² (20 m²) per 40" element

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

Max. differential pressure
50.7 psid @ 77 °F (3.5 bar @ 25 °C)

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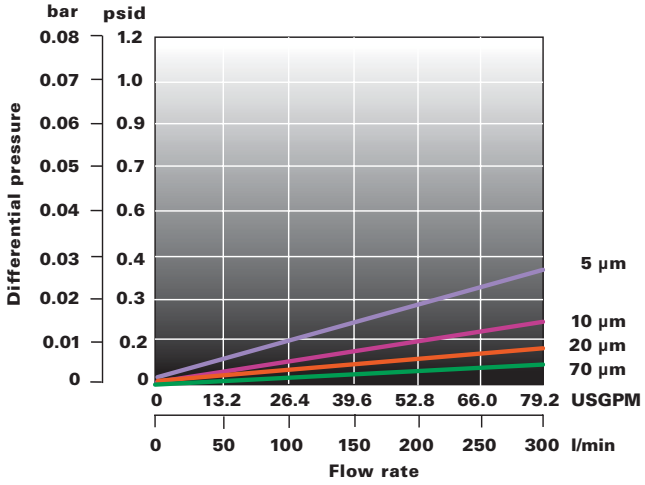
LOFPLEAT CP cross-pleated high flow filter cartridges

Flow rate*

(21 °C per 40" filter cartridge for water)



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

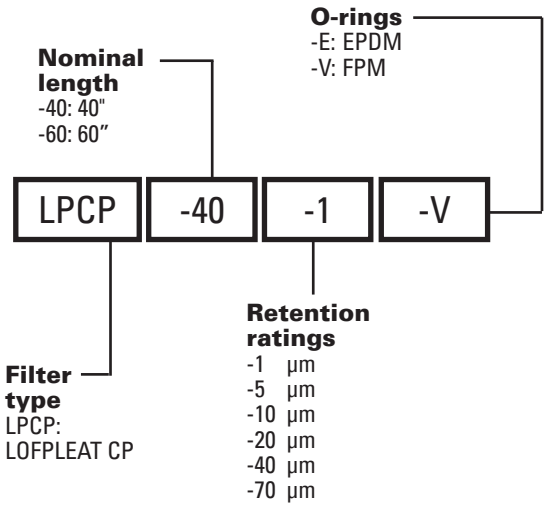
Efficiency of retention

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. 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



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