



LOFPLEAT™ HF high flow filter cartridges

Eaton's LOFPLEAT HF filter cartridges can be used in a variety of applications where high flow capacity is required including chemical and water systems.

LOFPLEAT HF filter cartridges are designed with pleated polypropylene construction to provide a high total surface area. A single LPHF cartridge can replace several standard cartridge elements. Change-outs are quick and easy. Unlike standard design cartridges, the flow is inside out. The result is higher dirt-holding capacity.

Features and benefits

- Higher flow capacity reduces required number of cartridges
- Lower initial costs with smaller filter housings
- Less labor required for change-outs
- Available with absolute rated filter material at 1, 5, 10, 20 µm retention ratings
- Inside-out flow for greater dirt-holding capacity

- Capable of flow rates up to 500 GMP (1892.5 l/min) in a single 60" length
- Can be retrofitted in most competitive high-flow housings
- FDA listed (U.S. CFR, Title 21) materials of construction for food and beverage contact

Design

Filter material
Polypropylene

Cage, end caps
Polypropylene

Gaskets/O-rings
EPDM (standard),
Fluorelastomer

Retention ratings
1, 5, 10, 20 µm
@ 99.9% efficiency

Technical data

Nominal lengths
20", 40", 60" (508, 1016, 1524 mm)

Outside diameter
6" (1524 mm)

Surface area
25.8 ft² (2.4 m²) per 20" element

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

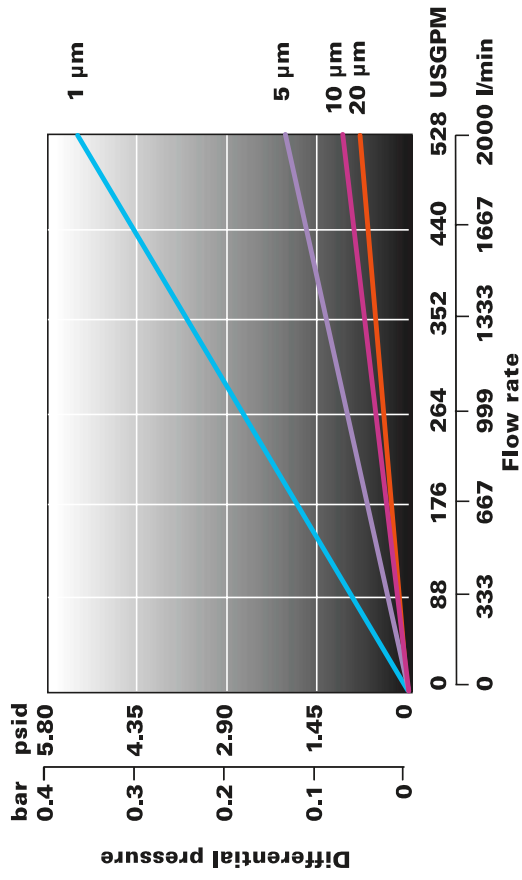
Max. differential pressures
43 psid @ 70 °F (3.0 bar @ 21 °C)

Recommended differential change-out pressure for disposal
29 psid (2.0 bar)

Max. flow rates
20" element: 175 USGPM (662 l/min)
40" element: 350 USGPM (1325 l/min)
60" element: 500 USGPM (1892 l/min)

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Flow rate*
(68°F/20 °C per 40" filter cartridge for water)



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

Ordering code

