



High Flow Capacity Filter Cartridge

“LOFPLEAT-HF from Eaton can be used in a variety of applications where high flow capacity is required including food & beverage, chemical and water systems.”

LOFPLEAT-HF cartridges are designed with pleated media construction to provide high total surface area. A single LPHF cartridge can replace several standard cartridge elements. High-flow capacity in a single cartridge leads to quicker and easier changeouts. Unlike standard design cartridges, the flow is inside out. The result is higher debris holding capacity.

Features and Benefits

- Higher flow capacity reduces required number of cartridges
- Lower initial costs with smaller vessel
- Less labor required for changeouts
- Available with absolute rated media at 1, 3, 5, 10, 20, 40, 60 & 100 µm retention levels

- Inside-out flow for greater dirt holding capacity
- Capable of flow rates up to 1,892.5 l/min in a single 60" length
- Can be retrofitted in most competitive high-flow housings

Filter Specifications

Media/support/cage

Polypropylene

End caps

Polypropylene

Gaskets/O-Rings

EPDM, Silicone, Buna N, Viton

Micron ratings

1, 3, 5, 10, 20, 40, 60 & 100 µm

Dimensions / Parameters

Nominal lengths

20"; 40"; 60" (50.8; 101.6; 152.4cm)

Outside diameter

6" (152.4 cm)

Max. operating temp.

82°C @ 1.4 bar (180°F @ 20 psid)

71°C @ 2.1 bar (160°F @ 30 psid)

25°C @ 3.4 bar (77°F @ 50 psid)

Recommended changeout differential pressure

35 psid (2.4 bar)

Flow rates (maximum)

20" element: 662 l/min (175 USGPM)

40" element: 1,325 l/min (350 USGPM)

60" element: 1,892 l/min (500 USGPM)

Performance Specifications

Cleaning/Sanitisation

Compatible with most common chemical cleaning, sanitising and sterilising agents and with pH range from 1–14. Consult factory for specific compatibility information.

FDA Listed Materials

All materials comply with FDA title 21 of the Code of Federal Regulations as applicable for food and beverage contact.



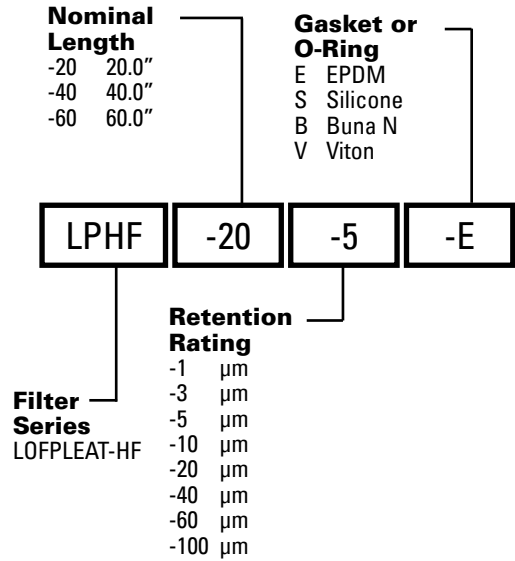
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LPHF Series Element Pressure Drop						
	Element Pressure Drop (mbar/m ³ /h)			Element Pressure Drop (psid/gpm)		
	20"	40"	60"	20"	40"	60"
1	6.0845	2.9395	1.9820	0.0200	0.0097	0.0065
3	5.0705	2.4495	1.6516	0.0167	0.0081	0.0054
5	2.3179	1.1198	0.7550	0.0076	0.0037	0.0025
10	1.3908	0.6719	0.4530	0.0046	0.0022	0.0015
20	0.6374	0.3079	0.2076	0.0021	0.0010	0.0007
40	0.5215	0.2520	0.1699	0.0017	0.0008	0.0006
60	0.4442	0.2199	0.1483	0.0015	0.0007	0.0005
100	0.3035	0.1466	0.0989	0.0010	0.0005	0.0003

Note: For chemical compatibility, flow rates, and temperature requirements please consult the factory or your local Eaton distributor.

Filter Removal Efficiency			
Beta Ratio Efficiency	Beta 1000 99.90%	Beta 100 99%	Beta 10 90%
1 µm	1	0.6	0.2
3 µm	3	2	1.5
5 µm	5	4	3
10 µm	10	8.5	6.5
20 µm	22	19	14
40 µm	38	18	15
60 µm	60	35	20
100 µm	100	75	45

Filter Specification Code



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