



**LENNTECH**

## High Flow Capacity Glasfiber Filter Cartridge

*“LOFPLEAT™ HF-G from Eaton can be used in a variety of applications where high flow capacity is required including fuel oils, chemicals, petrochemicals, solvents and oil & gas.”*

LOFPLEAT™ HF-G cartridges are designed with pleated microglasfiber media construction to provide high total surface area. A single LPHF-G cartridge can replace several standard cartridge elements. High-flow capacity in a single cartridge leads to quicker and easier change-outs. 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 to 20 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
- Thermally bonded construction

### Filter Specifications

#### Media

Microglasfiber

#### Support/Cage

Polyester or Polypropylene

#### End caps

Acetal or polypropylene

#### Gaskets/O-Rings

EPDM, Silicone, Buna N, Viton

#### Micron ratings

1, 2.5, 4.5, 10 & 20 µm

### Dimensions / Parameters

#### Nominal lengths

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

#### Outside diameter

6" (152.4 cm)

#### Max. operating temp.

5.2 bar @ 21°C (70°F @ 75 psid)  
3.4 bar @ 110°C (230°F @ 50 psid)

#### Recommended changeout differential pressure

2.4 bar (35 psid)

#### 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)



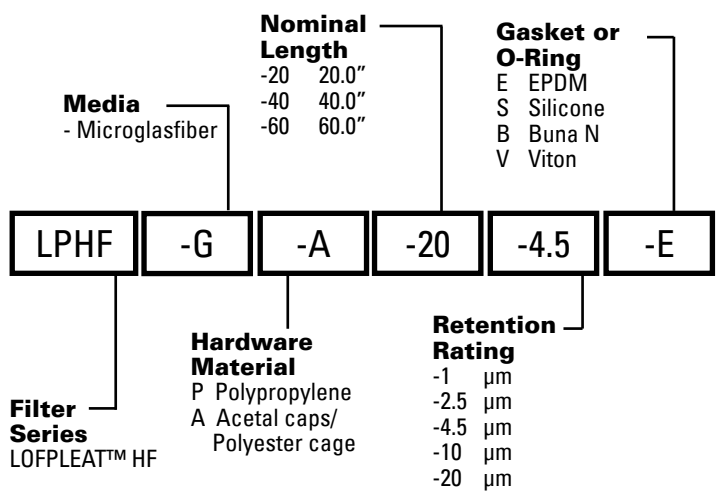
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<b>LPHF-G Series Element Pressure Drop</b>						
	Element Pressure Drop (mbar/m <sup>3</sup> /h)			Element Pressure Drop (psid/gpm)		
	20"	40"	60"	20"	40"	60"
1	11.9419	5.9709	3.9806	0.0394	0.0197	0.0131
2.5	5.5385	2.7692	1.8462	0.0183	0.0091	0.0061
4.5	4.3549	2.1775	1.4516	0.0144	0.0072	0.0048
10	2.8830	1.4415	0.9610	0.0095	0.0048	0.0032
20	2.0940	1.0470	0.6980	0.0069	0.0035	0.0028

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

<b>Filter Removal Efficiency</b>			
Beta Ratio Efficiency	Beta 1000 99.90%	Beta 100 99%	Beta 10 90%
1 µm	1	0.6	0.2
2.5 µm	3	2	1.5
4.5 µm	5	4	3
10 µm	10	8.5	6.5
20 µm	22	19	14

### Filter Specification Code



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