

Masterfilter HFHC series

The Masterfilter *PreFil* HFHC series high flow pleated cartridges are available in a wide range of pore sizes and provide reliable high performance in many applications. It combines high dirt holding capacity with long service life and high flow rates. Six-layer graded pleat technology provides a maximized filtration area and absolute retention rate resulting in an outstanding dirt holding capacity and long life. It can retrofit other supplier's horizontally pleated cartridges.

Applications

- Desalination (Pre-RO)
- Reverse osmosis
- Process water
- Beer, mineral water, soft drinks
- Boiler condensate and feed water
- Food and Beverage
- Chemicals
- Pharmaceuticals
- Municipal water

Features and Benefits

- High flow rate (up to 70 m³/h 40")
- Graded 6-layer vertical pleat technology
- High dirt holding capacity
- Long service life
- Removal ratings from 0.5 to 100 microns
- High efficiency (up to 99.98%)
- 20", 40", 60" lengths available
- Rigid construction for higher pressure

Materials of Construction

- Filter media: 6-layer Polypropylene depth media / glass fibre
- Support layers: Polypropylene
- End caps: Polypropylene
- Out-cover: Polypropylene
- O-rings: EPDM, NBR, Silicone



Operating Parameters

- Max. differential pressure: 3.0 bar at 21 °C
- Change out differential pressure: max. 2.1 bar
- Max. operating temperature: 80 °C
- Design Flow rate: 35 m³/h (40"), 70 m³/h (60")

Dimensions

- Outer diameter: 165 mm
- Inside diameter: 38 mm
- Length: 20", 40", 60"

Part Numbers

HFHC **PP** **0500** - **40** - **HC** - **E**

Code	Filter media
PP	Polypropylene
GF	Glass Fiber

Code	Removal rating [µm]
0050	0.5
0100	1.0
0300	5.0
0500	10
1000	10
2000	20
4000	40
7000	70
100H	100

Code	Length	
	[mm]	[inch]
20	508	20
40	1000	40
60	1500	60

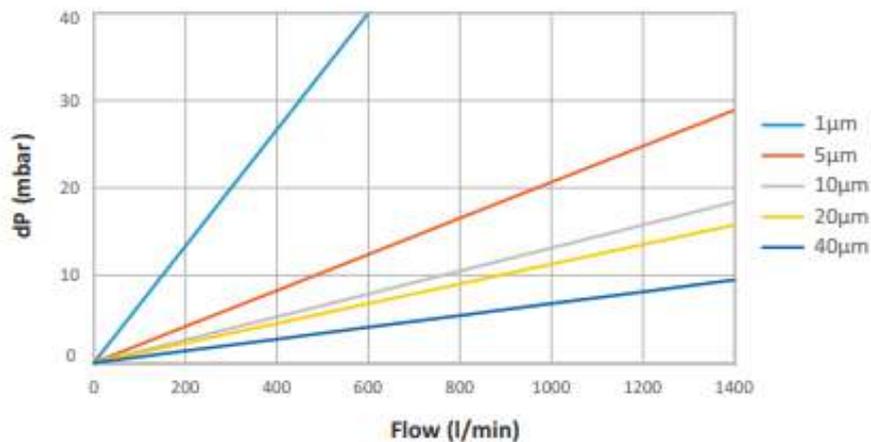
Code	End caps
HF	In-line handle - big outlet
HC	Cross handle - small outlet

Code	O-Ring
S	Silicone
E	EPDM
N	NBR

e.g. part number: HFHC-PP-0500-40-HC-E

High flow HFHC filter, PP, 10 µm, 40" Length, Cross handle End caps, EPDM O-rings

Flow rate



Note: 40" cartridge tested with water @20°C, 1,005 cP (typical flow rate)