

# HFHC Series

## High Flow Filter



**Masterfilter 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.

### Application

- • Desalination (Pre-RO)
- • Reverse Osmosis
- • Process Water
- • Beer, mineral water, soft drinks
- • Boiler condensate and feedwater
- • Food & Beverage
- • Chemicals
- • Pharmaceuticals
- • Municipal water



### Features and Benefits

- • High flow rate (up to 70m<sup>3</sup>/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 pressures

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### Materials of Construction

- **Filter media:** 6-layer PP polypropylene depth media/ glass fibre
- **Support Layers:** Polypropylene
- **End Caps:** Polypropylene
- **Out-cover Materials:** Polypropylene
- **O-Rings:** EPDM/NBR/Silicone

### Operating Parameters

- **Max differential pressure:** 3,0 bar/21°C
- **Change out Differential Pressure:** max. 2,1 bar
- **Max operating temperature:** 80°C
- **Design Flow rate:** 35 m<sup>3</sup>/h (40")  
70 m<sup>3</sup>/h (60")

### Dimensions

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

### Part Numbers

HFHC		PP	-	0500	-	40	-	HC	-	E
Code	Material	Code	Removal rating µm	Code	length mm inch		Code	end caps	Code	O-Ring
PP	Polypropylene	0050	0,5	20	500	20	HF	In-line handle - big outlet	S	Silicone
GF	Glass Fiber	0100	1	40	1000	40	HC	Cross handle - small outlet	E	EPDM
		0300	3	60	1500	60			N	NBR
		0500	5							
		1000	10							
		2000	20							
		4000	40							
		7000	70							
		100H	100							