

## iFILTRATION® HF Series

The **iFILTRATION HF** series **High-Flow** filter cartridge (OD: 6 inches) is made of pleated multi-layer filter media. The outer cage, inner core, and cap are made of polypropylene. We use thermal melting technology for each seal without adhesives to prevent leakage and pollution and ensure a good sealing effect. The unique design allows for a high contaminant loading capacity for better depth filtration, provides reliable performance, optimizes the filtration area, dramatically reduces the number of filter cartridges and the filter housing size, and is widely used in various applications.

### FEATURES

- Pleated filter media design
- Large filtration area
- Fewer number of filter cartridges
- High contaminant load capacity
- Polypropylene material for the outer cage, inner core, and end cap
- Stable performance
- Inside out flow / Outside in flow
- Wide range of micron rating 1 – 100 µm
- High-quality polypropylene material in gradient density
- Holding debris effectively

### APPLICATIONS

- Reverse Osmosis Pretreatment Filtration
- Condensate Water Filtration
- Reclaimed Water Treatment
- Cooling Water Treatment
- Electronic Water Discharged Filtration



## Materials of Construction

<b>Media</b>	Glass Fiber and Pleated Polypropylene
<b>End Cap &amp; Core</b>	Polypropylene
<b>Seal Options</b>	NBR / EPDM / FKM / Silicone

## Operating Limits

<b>Max. Working Temperature</b>	80°C (176°F)
<b>Max. Operating ΔP</b>	2.5 bar @ 20°C (68°F)
<b>Recommended replacement ΔP</b>	2 bar @ 20°C (68°F)

LENGTH	20"	40"	40"
<b>RECOMMENDED DESIGN FLOW RATE</b>	15 m³/h	30 m³/h	30 m³/h
<b>MAX. FLOW RATE</b>	30 m³/h	60 m³/h	60 m³/h

## Model Selection

	SERIES	FILTER MEDIA	EFFICIENCY RATE**		END CAP	LENGTH	SEAL
<b>iFILTRATION HF</b>	D = iFILTRATION	PP	0100 = 1 µm	2000 = 20 µm	A1*B1*	20"	B = NBR
	C = Cobetter	GF	0200 = 2 µm	4000 = 40 µm	A2B2	40"	E = EPDM
			0300 = 3 µm	7000 = 70 µm	A3*B3*	60"	F = FKM
			0500 = 5 µm	9000 = 90 µm	A4*B3*		S = SILICONE
			1000 = 10 µm	100H = 100 µm			
			1500 = 15 µm				

- NOTE:
- Impact Filtration will custom-make iFILTRATION HF filter cartridge as per request.
  - The end cap may be combined based on customer needs.



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