

HPK Series

Filter cartridges



Masterfilter HPK series nominal rated, high flow pleated polypropylene cartridges are made of all poly-propylene pleated microfiber. These cartridges providing great filtration performance at lower cost. The high flow rate, high dirt capacity and filtration efficiency make it the optimal solution for the pre-filtration of liquids.

Application

- Beer filtration
- Food & Beverage
- Water purification
- Chemicals
- Pharmaceuticals
- Clarify filtration



Features and Benefits

- All polypropylene construction
- Broad chemical compatibilities
- Pleated surface provides superior flow rate and extended service life
- Available in nominal ratings from 0.1 to 50 microns for a range of precise size removal
- Welded technique eliminates the need for adhesives which can be contaminate source
- Pleated surface provides excellent flow rates

Food and Biological Safety

Comply with the relevant requirements of EU 1935/2004 and EU directive 10/2011

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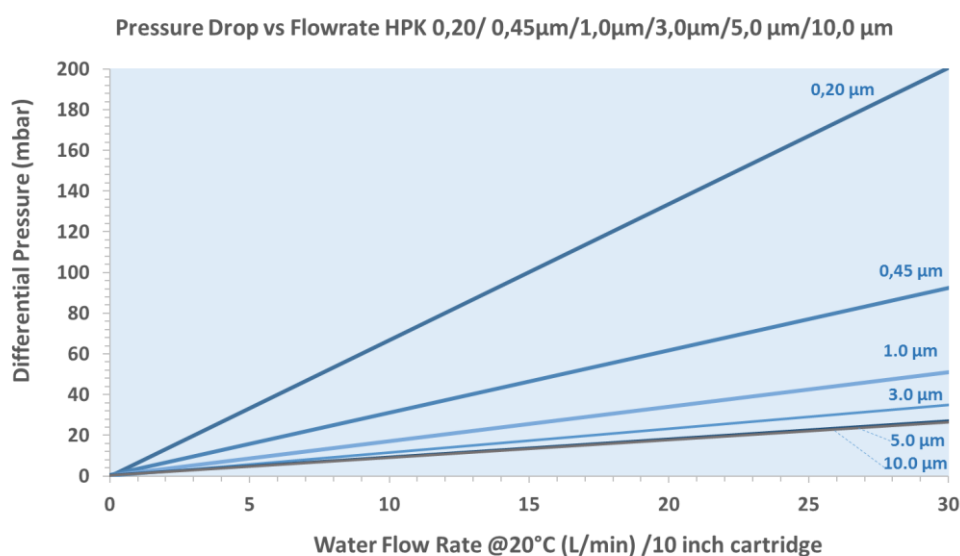


Materials of Construction

- **Filter media:** Polypropylene
- **Support Layers:** Polypropylene
- **Inner Core:** Polypropylene
- **Outer Cage:** Polypropylene
- **End Caps:** SS304/PTB
- **End Caps inserts:** Polypropylene
- **O-Ring:** EPDM/Silicone

Operating Parameters

- **Maximum Temperature:** 80°C
- **Max differential pressure:** 4bar (21°C)
2.4bar (80°C)
- **Steam Sterilization:** 121°C/30 min
- **Hot Water Sanitization:** 85°C / 30 min
- **Extractables:** < 30 mg / 10"
- **Endotoxines:** <0.25 EU/ml



Effective Filtration Area (EFA): 0.6m² /10 inch (254mm)

Part Numbers

HPK		0045	10			HSF	S	
Code	Removal rating micron	Code	length		Code	end caps	Code	O-Rings
			mm	inch				
0020	0,20	10	254	10	STC	Sartorius code 28	S	Silicone
0045	0,45	20	508	20	HTC	222 O-ring/flat (Code 3)	E	EPDM
0100	1,0	30	762	30	HTF	222 O-ring/fin (Code 8)	V	Viton
0300	3	40	1016	40	HSF	226 O-ring/fin (Code 7)		
0500	5				HSH	UF retrofit		
1000	10				DOE	Double open end		
2000	20							
5000	50							