

**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

# HPK Series

## Filter cartridges

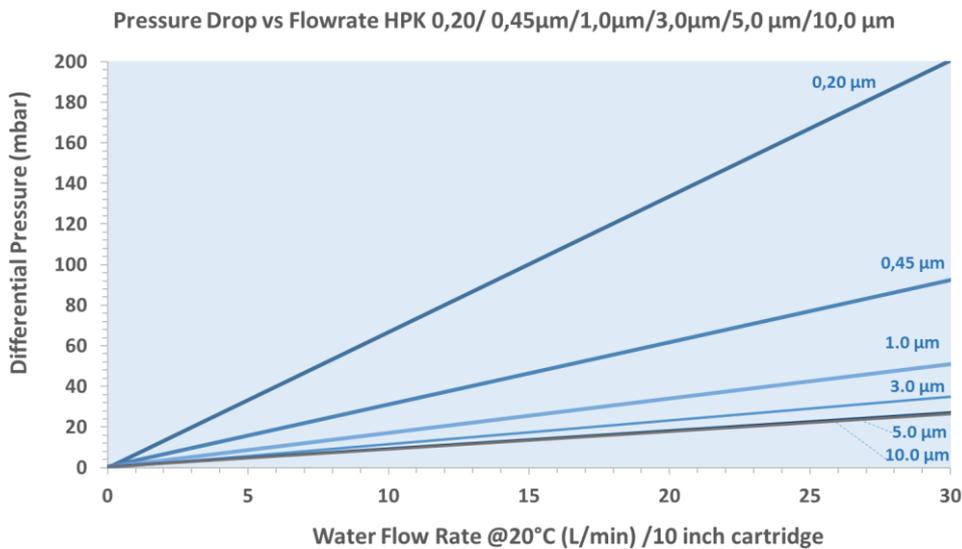


### Materials of Construction

- **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): 0.6m<sup>2</sup> /10 inch (254mm)**

### Part Numbers

HPK	0045	10	HSF	S
	Code	Code	Code	Code
	Removal rating micron	length mm      inch	end caps	O-Rings
	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			