

Masterfilter PPK series polypropylene high-density pleat 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. 100% polypropylene construction, backwash capability together with graded pore size, make it an economical, high accuracy filter cartridge with absolute removal efficiency.

Application

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

Features and Benefits

- High dirt holding capacity
- Pleated large surface provides high flow rate and long service life
- Rating from 0,6 to 50 microns
- Back washable media extends service life
- 100% PP offers compatibility with most chemicals, solvents caustic and acids
- Pleated surface provides excellent flow rates and low pressure drop

Food and Biological Safety

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



Materials of Construction

- **Filter media:** Polypropylene
- **Support Layers:** Polypropylene
- **Inner Core:** Polypropylene
- **Outer Cage:** Polypropylene
- **End Caps:** Polypropylene
- End cap insert: Stainless 304
- O-Rings: EPDM/Silicone

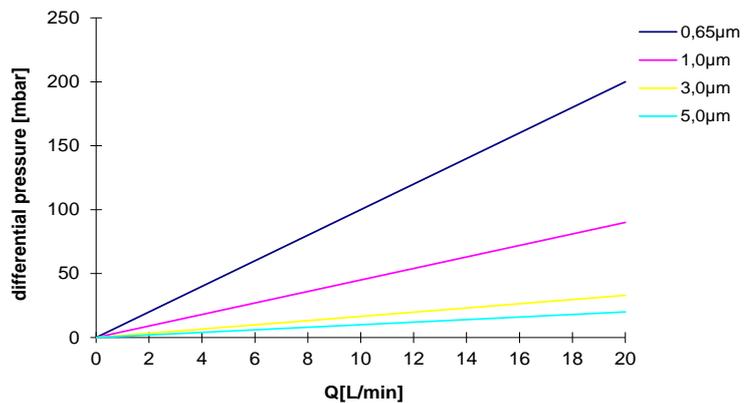
Operating Parameters

- **Max differential pressure:** 5 bar (20°C)
2,1 bar (80°C)
- **Max. back pressure:** 2bar (20°C)
- **In situ steam Sterilization:** 121°C 20min
- **In situ Hot Water Sanitization:** 90°C
- **Autoclaving:** 134°C, 30min

Delta P at backflush:

- 80°C -> 0,5 bar
- 60°C -> 1 bar
- 40°C -> 1,5 bar
- 20°C -> 2,0 bar

Pressure drop and flow rate for 10 inch (250mm) cartridge



Part Numbers

PPK



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Code	Removal rating micron
0060	0,6
0080	0,8
0100	1,0
0120	1,2
0250	2,5
0450	4,5
0500	5,0
1000	10,0
2000	20,0
5000	50,0

Code	Length	
	mm	inch
05	133	5
10	254	10
20	508	20
30	762	30
40	1016	40

Code	End caps
STC	Sartorius code 28
HTC	222 O-ring/flat (Code 3)
HTF	222 O-ring/fin (Code 8)
HSF	226 O-ring/fin (Code 7)
HST	I/S -15
STZ	P-MCY dh Z
DOE	Double open end

Code	O-Rings
S	Silicone
E	EPDM
V	Viton