

APK Series

Absolute polypropylene filter



Masterfilter APK series

Masterfilter APK absolute rated polypropylene cartridges provide absolute efficiency and reliable performance in most critical applications. It combines high dirt holding capacity with long service life and high flow rates.

100% polypropylene construction and backwash capability make the APK an ideal filter for beverage applications like beer filtration.



Applications

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

Features and Benefits

- High dirt holding capacity
- Pleated surface provides excellent flow rate and long service life
- Absolute rating from 0.2 to 10 microns
- 100% PP offers compatibility with most chemicals, solvents caustic and acids
- Pleated surface provides excellent flow rates

Materials of construction

- **Membrane:** Polypropylene
- **Support Layers:** Polypropylene
- **Inner core:** Polypropylene
- **Outer cage:** Polypropylene
- **End caps:** Polypropylene
- **O-rings:** Silicone, EPDM, PTFE, Viton, FEP

Operating parameters

- **Maximum differential pressure:**
5,0 bar @ 21°C | 2,0 bar @ 80°C
- **Steam sterilisation:** 20 cycles for 30 minutes
@ 121°C (0,5 bar)
- **Autoclave:** 30 minutes @ 134 °C
- **Filtration Area 10" Module:** 0.53 m²

Quality assurance

- Comply with the relevant requirements of EU 1935/2004 and EU Directive 10/2011
- Cartridges is marked with unique serial number for identification and traceability

APK Series

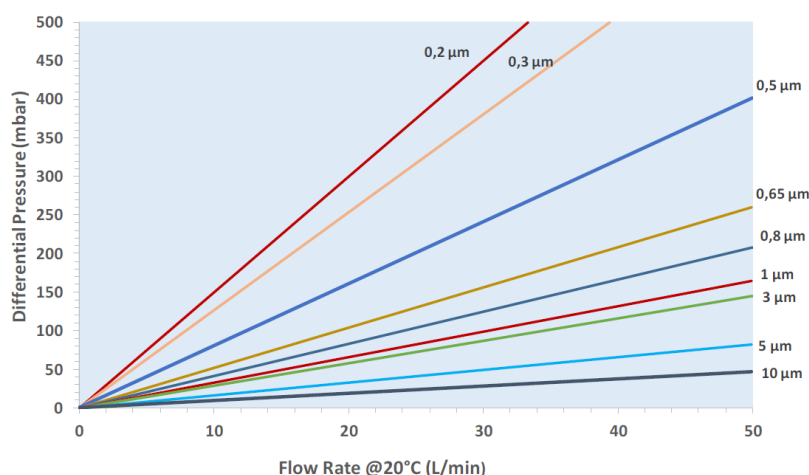
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Biological standards

- Comply with FDA 21 CFR177-182 & EU 1935/2004/EC
- Meets USP <88> for Class VI-121°C
- Non-Pyrogenic per USP Bacterial Endotoxin Level (<0,25 EU/ml)
- Extractable level after 24h contact with PW <20mg/10" module
- Meets FDA21 CFR210.3(B)(6) no fiber release for filters

Flow Rate Characteristics



Part Numbers

APK **0100** - **10** - **HSF** - **S** -

Code	Removal rating µm
0020	0,2
0030	0,3
0050	0,5
0065	0,65
0080	0,8
0100	1,0
0200	2,0
0250	2,5
0300	3,0
0500	5,0
1000	10,0
2000	20,0

Code	Length	
	mm	inch
05	127	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)
HSC	226 O-ring/flat (Code 2)
HSF	226 O-ring/fin (Code 7)
HSR	UF retrofit
DOE	Double Open End
STT	True-seal (Babycone 7)
HST	P-MCY4463 Sart-15

Code	O-rings
S	Silicone
E	EPDM
P	PTFE enc. Viton
V	Viton
T	FEP encapsulated silicone

e.g. part number: APK0100-10-HSF-S

APK filter, 1,0µm, 10" length, Code 7 end caps, silicone O-rings