

SpunFil MBK-A Series Filter

Melt Blown Absolute Rated Polypropylene Cartridge Filter

MF
Masterfilter

Masterfilter MBK-A series

The Masterfilter *SpunFil* MBK-A series are absolute rated, high efficiency depth filter cartridges constructed by 5 to 8 graded layers of Polypropylene. The MBK-A offers consistent retention characteristics and a high level of security that is enhanced by the option to connect O-ring seal adapters on the cartridge.

Applications

- Small and large parenterals
- Ophthalmics
- Oral medication
- Serum and serum fractions
- Culture media
- Vaccine
- Microbiological growth media

Features and Benefits

- 5 to 8 graded layer offers high dirt holding capacity
- Longer service life
- Absolute removal rating from 0.3 to 50 microns
- Thermal bonding without binders and adhesives
- 100% Polypropylene offers compatibility with most chemicals, solvents caustic and acids
- High stable structure
- Consistent filtrate quality

Materials of Construction

- Filter media: Polypropylene
- Support layers: Polypropylene
- Inner core: Polypropylene
- End caps: Polypropylene
- Adapter internals support: PBT
- Nets: Polypropylene
- O-rings: EPDM, Silicone, Viton

Operating Parameters

- Maximum operating pressure: 4.0 bar at 30 °C, 3.4 bar at 50 °C, 2.0 bar at 70 °C, 1.0 bar at 82 °C
- Maximum differential pressure forward: 4.0 bar at 30 °C, 3.4 bar at 50 °C, 2.0 bar at 70 °C, 1.0 bar at 82 °C
- Max. operation temperature: 80 °C



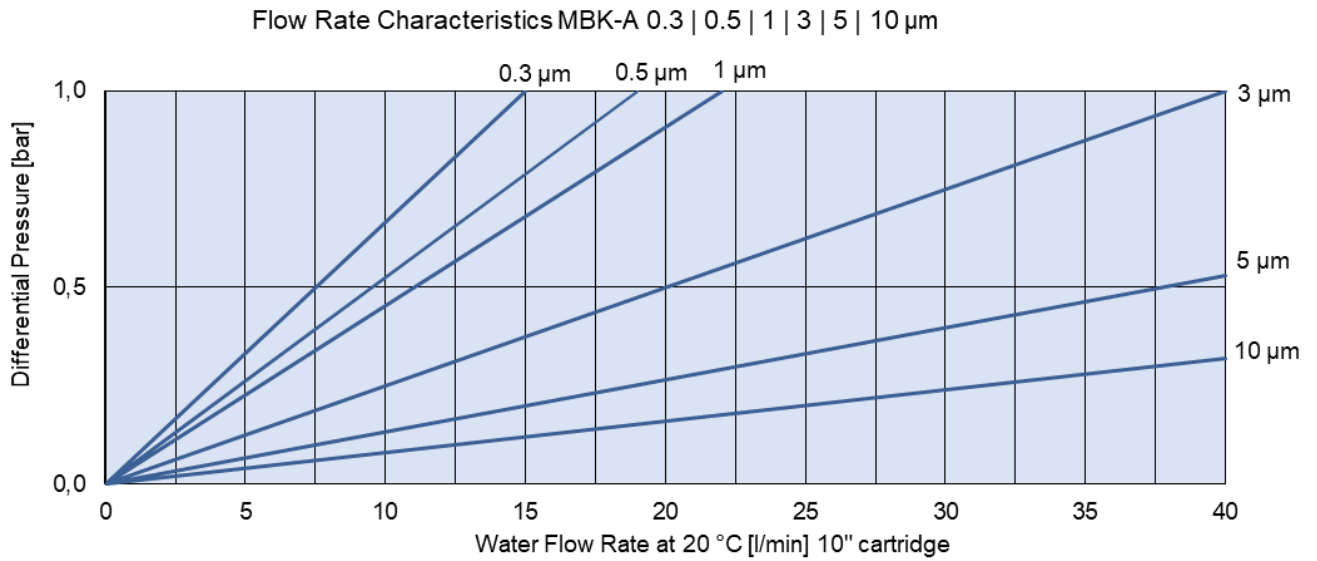
Quality Assurance

- Cartridge is marked with unique serial number for identification and traceability
- All components meet the criteria for non-fibre releasing as defined in 21 CFR 210.3 (b) (6)
- MBK-A is manufactured under ISO 9001:2015 GMP

Biological Standards

- Aqueous extraction less than 0.25 EU/ml as determined by Limulus Amebocyte Lysate (LAL), meeting requirements of USP <85>
- Meets the USP <88> Biological Toxicity Reactivity Test in Vivo for Class VI-121°C plastics
- Component materials meet the requirement of USP <87> In Vitro Biological Reactivity Test
- All component materials meet the FDA indirect Food Additive requirements cited in 21 CFR 177-182

Flow Rate Characteristics



Part Numbers

MBK-A 0030 - 10 HSF - S

Code	Removal rating [µm]
0030	0.3
0050	0.5
0100	1
0300	3
0500	5
1000	10
2500	25
5000	50

Code	Length	
	[mm]	[inch]
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)
HSH	UF retrofit
DOE	Double open end

Code	O-Ring
S	Silicone
E	EPDM
V	Viton
	No O-rings

e.g. part number: MBK-A-0030-10-HSF-S

MBK-A filter, 0.3 µm, 10" Length, End caps Code 7, Silicone O-rings