

Masterfilter LGFK Series filter cartridges are made with superfine glass fiber media with polypropylene support and drainage layers. The core and cage are also in polypropylene while all material components are thermal bonded without the use of any adhesive or binder. This reduces at a very low level the extractables. GFK filter cartridges are specially drawn up to meet the requirement for many filtration applications in the traditional Pharma and Biological markets. The most common and appropriate are haze removal, submicron contaminants from blood and biotech, culture media and aqueous solutions.



Application

- Typical growth media
- Blood proteins
- Serum
- Orals
- Liquids containing gel

Features and Benefits

- Absolute retention rate
- Long service life
- No adhesives or binders
- Very low level of extractables
- Endotoxin level < 0,25 EU/ml
- All components meet USP for Class VI plastics at 121°C

LGFK Series

Micro Fiber Filter Cartridges



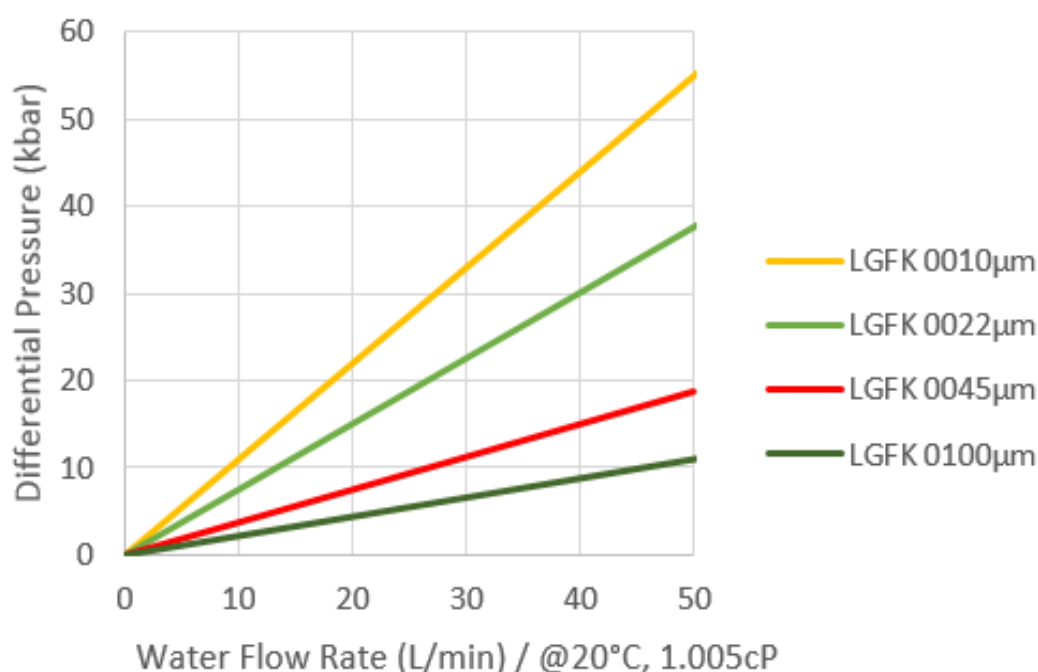
Materials of Construction

- **Filter media:** Glass Microfiber
- **Support Layers:** Polypropylene
- **Inner Core:** Polypropylene
- **Outer Cage:** Polypropylene
- **End Caps:** Polypropylene
- **O-Rings:** EPDM/Silicone/Viton

Operating Parameters

- **Max differential pressure:** 4bar (20°C)
2,4bar (80°C)
- **In situ steam Sterilization:** 121°C 20min
up to 30 cycles
- **Extractables:** < 30 mg/10" module
- **Endotoxin level:** < 0,250 EU/ml
- **Effective filter area (10"):** 0,28 m2

Flow Rate Characteristics



Part Numbers

LGFK0010-05-HSF-S

Code	Retention rate (µm)	Code	Length inch	Code	End caps	Code	O-Ring
0010	0,1	05	127mm	DOE	Double open end	S	Silicone
0020	0,2	10	254mm	HSF	226 O-ring/Fin (code 7)	E	EPDM
0045	0,45	20	508mm	HTF	222 O-ring/fin (code 8)	V	Viton
0080	0,8	30	762mm	HTC	222 O-ring/flat (code 8)	P	PFA-Viton
0100	1,0	40	1016mm	STC	Sart. Code 28		
0300	3,0			HSC	226 O-ring/flat		
0500	5,0						