

Masterfilter LGFK series

The Masterfilter *GlassFil* 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 Pharmaceutical and Biological markets. The most common and appropriate are haze removal, submicron contaminants from blood and biotech, culture media and aqueous solutions.

Applications

- 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

Materials of Construction

- Filter media: Glass Microfiber
- Support layers: Polypropylene
- Inner core: Polypropylene
- Outer cage: Polypropylene
- End caps: Polypropylene
- O-rings: EPDM, Silicone, Viton, PFA



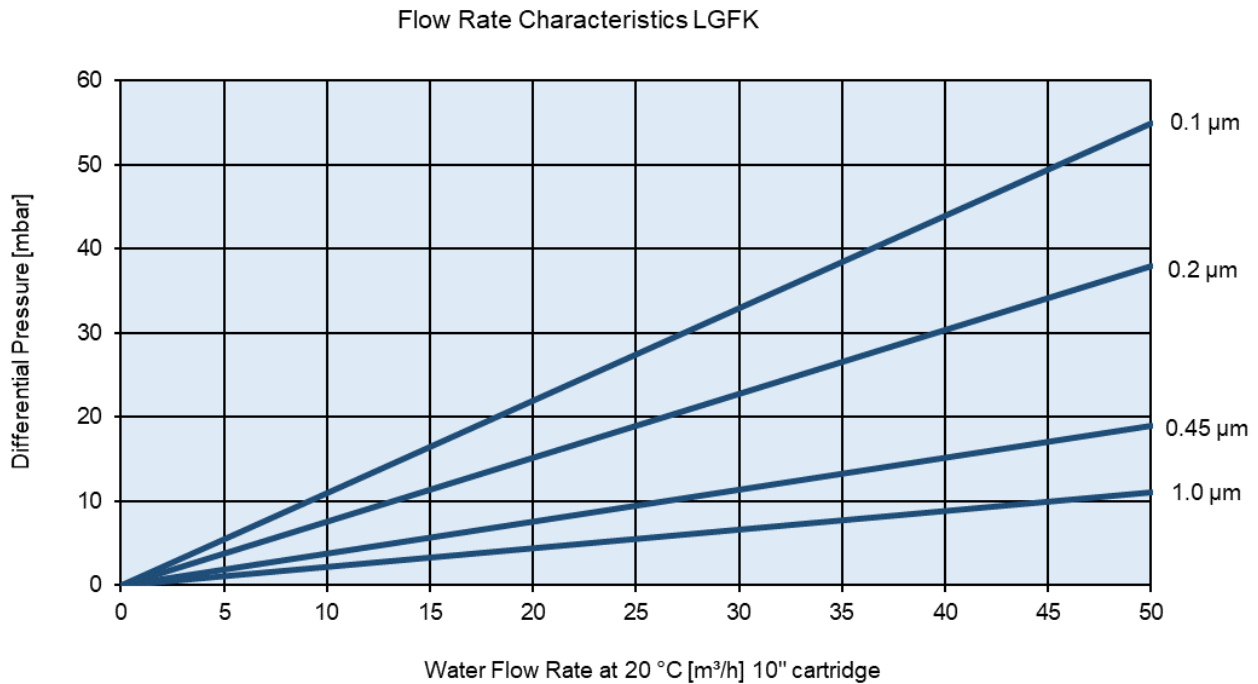
Operating Parameters

- Max. differential pressure: 4 bar at 20 °C; 2.4 bar at 80 °C
- In situ steam sterilisation: 121 °C for 20 minutes, up to 30 cycles
- Extractables: < 30 mg/10" module
- Endotoxin level: < 0.25 EU/ml
- Effective filter area 10" length: 0.28 m²

Food and Biological Safety

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

Flow Rate Characteristics



Part Numbers

LGFK 0010 - 05 HSF - S

Code	Removal rating [µm]
0010	0.1
0020	0.2
0045	0.45
0080	0.8
0100	10
0300	30
0500	5

Code	Length	
	[mm]	[inch]
05	127	5
10	254	10
20	508	20
30	762	30
40	1016	40

Code	End caps
DOE	Double open end
HSF	226 O-ring/fin (Code 7)
HTF	222 O-ring/fin (Code 8)
HTC	222 O-ring/flat (Code 3)
STC	Sartorius Code 28
HSH	226 O-ring/flat

Code	O-Ring
S	Silicone
E	EPDM
V	Viton
P	PFA-Viton

e.g. part number: LGFK-0010-05-HSF-S

LGFK filter, 0.1 µm, 5" Length, End caps Code 7, Silicone O-rings