

SLF-L Series

PTFE membrane cartridges for solvents



Masterfilter SLF-L series hydrophobic PTFE filter cartridges

Masterfilter SLF-L hydrophobic PTFE filter cartridges are composed of hydrophobic PTFE membrane. Its features include exceptional organic & inorganic corrosion resistance and inherently hydrophobicity. They are highly recommended for the pre-filtration and sterile filtration of strong solvents, highly corrosive fluids and strong oxidant fluids.



Applications

- Organic-based Antibiotic
- API
- Solvents
- Aggressive chemical products

Features and Benefits

- Inherently hydrophobic
- Broad chemical compatibility
- Absolute rating from 0,2 to 10 µm
- Low extractables
- Pleated surface provides excellent flow rates
- Manufactured in a cleanroom environment

Materials of construction

- **Membrane:** Hydrophobic PTFE
- **Support Layers:** Polypropylene
- **Inner core:** Polypropylene
- **Outer cage:** Polypropylene
- **End caps:** Polypropylene
- **O-rings:** Silicon, EPDM, Fluoroelastomer

Operating parameters

- **Max. differential pressure:** 6,9bar @ 25°C
2,4bar @ 80°C
- **Max. differential pressure reverse:** 3,0bar @ 25°C
1,0bar @ 80°C
- **Steam sterilisation:** Inline up to 100 cycles
@ 135°C /30 min
- **Autoclave:** up to 400 cycles
@130°C/30min

Filtration Area 0,2µm 10" Module: 0,78 m²

Quality assurance

- Sterilizing grade is 100% integrity tested before release
- Manufactured under ISO 9001:2015 certified quality management system and cGMP

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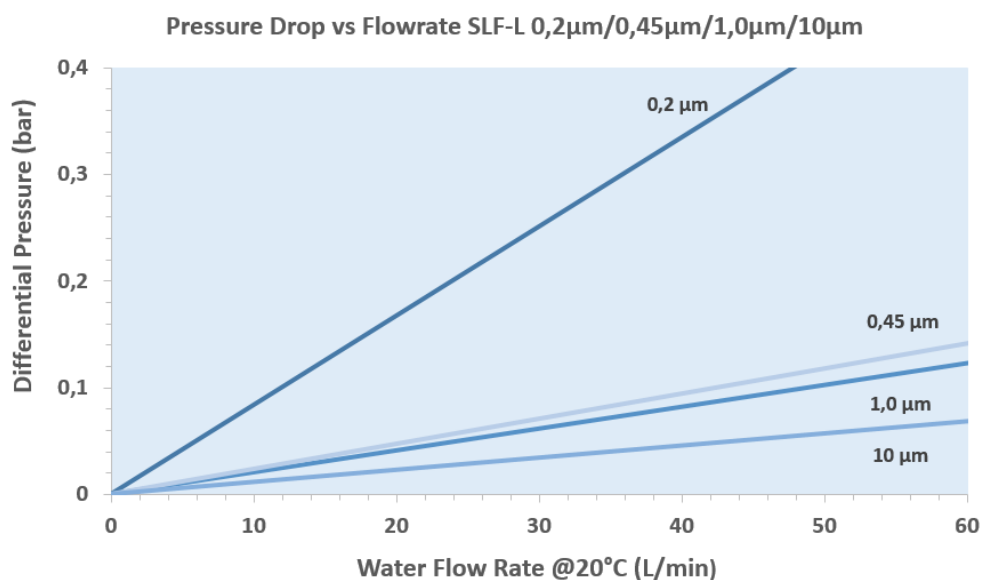
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Biological standards

- 0,2 µm tested with B. diminuta (ATCC191546) with concentration $\geq 10^7/\text{cm}^2$
- Meet the criteria of the USP <88> Biological Reactivity Test for Class VI-121°C plastics
- Non fibre releasing per Title21 of the US Code of Federal Regulations (CFR) 210
- Non -Pyrogenic per USP Bacterial Endotoxin (<0,25 EU/ml)

Flow Rate Characteristics



Part Numbers

SLF-L

0020

-

10

-

HSF

-

S

Code	Removal rating µm
0020	0,2
0045	0,45
0100	1,0
0300	3,0
0500	5,0
1000	10

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

Code	End caps
STC	Sartorius code 28
SLV	P-MCY 111/222/444
SLK	Sealkleen connection
STT	116 O-Ring
HTC	222 O-ring/flat (Code 3)
HTF	222 O-ring/flat (Code 8)
HSF	226 O-ring/flat (Code 7)
HSC	226 O-ring/flat (Code 2)

Code	O-rings
S	Silicone
E	EPDM
P	PTFE encaps Viton
V	Viton

e.g. part number: SLF-L0020-10-HSF-S

hydrophobic PTFE filter, 0,2 µm, 10" length, Code 7 end caps, silicone O-rings