

# SLF-G Series

## Glass Micro Fibre Cartridges



**Masterfilter SLF-G series** filter cartridges are composed of super-fine glass microfiber which has a dirt holding capacity over 90%. They are designed for filtration of air and gas. Due to the high removal efficiency, SLF-G cartridges offer high process security, with high volume gas streams and can withstand high differential pressures at low pressure drop and stringent in-line steam sterilizations.

### Application

- CO<sub>2</sub> filtration
- Venting in Pharmaceutical, Food & beverage and fine chemical industries
- Sterile air supply
- Pre filter gas in front of membrane filters



### Features and Benefits

- 0,01 µm, 0,3µm, 0,5µm rated
- High dirt holding capacity
- Steam sterilisable
- For tank venting
- Low pressure drop
- High surface area

### Food and Biological Safety

- Comply with the relevant requirements of EU 1935/2004, EU directive 10/2011, according to 21CFR and current USP Plastics Class VI

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## Glass Micro Fibre Cartridges



### Materials of Construction

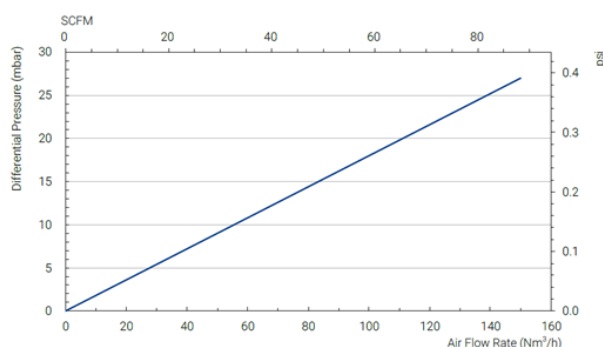
- Filter media:** Super-fine Glass fiber
- Support Layers:** Polypropylene
- Inner Core:** SS/Polypropylene
- Outer Cage:** Polypropylene
- End Caps:** Polypropylene
- End cap insert:** Stainless 304
- O-Rings:** EPDM/Silicone

### Operating Parameters

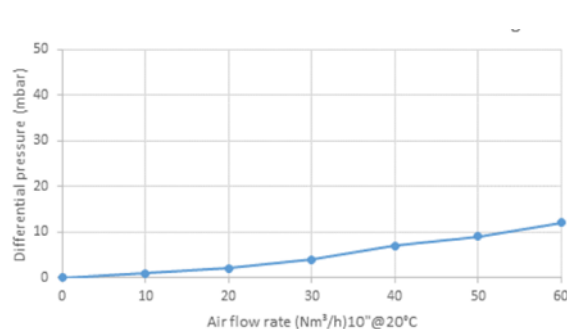
- Maximum Differential Pressure:** 5,5 bar at 25°C  
2,1 bar at 100°C
- Max operating temperature:** 90°C
- In situ steam Sterilization:** 121°C 20min  
with dP 0,3 bar
- Autoclaving:** 134°C 30min
- Filtration area:** 0,4 m<sup>2</sup>/10"

\* Inner core: Cartridges > 5" ( 10",20",30") in code HSF,HTF,HSH, in stainless steel with dia: 42,5 mm  
Cartridges < 5" in code HST,STT in polypropylene

**Air Flow Rate: SLF-G-050-10-HSF-S at 0 barg**



**Air Flow Rate: SLF-G-001-10-HSF-S at 0 barg**



### Part Numbers

SLF-G

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Code	Removal rating micron
001	0,01µm
030	0,30µm
050	0,50µm

Code	Length	
	mm	inch
1,5	34	1,5
2,5	65	2,5
05	133	5
10	254	10
20	508	20
30	762	30

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)
HSC	226 O-ring/flat top
HST	P-MCY I/S-15
STZ	dh Z
CP2	R-2"
CP1	R-1"
HSB	H code
DHA	½" BSP
HSU	MCY 1001
HSM	1110 / Millipore
STT	T-code bajonet

Code	O-Rings
S	Silicone
E	EPDM
V	Viton