

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

- CO2 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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Materials of Construction

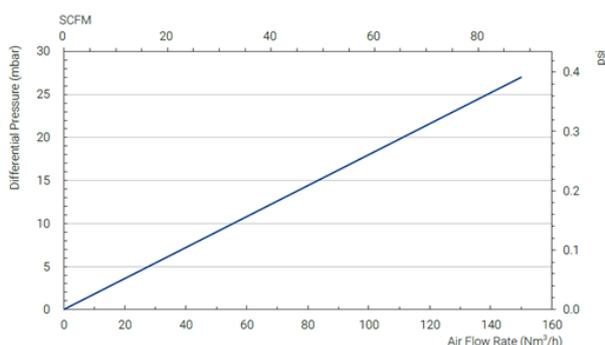
- **Filter media:** Super-fine Glass fiber
- **Support Layers:** Polypropylene
- **Inner Core:** SS/Polypropylene
- **Outer Cage:** Polypropylene
- **End Caps:** Polypropylene
- **End cap insert:** Stainless 304
- **O-Rings:** EPDM/Silicone

Operating Parameters

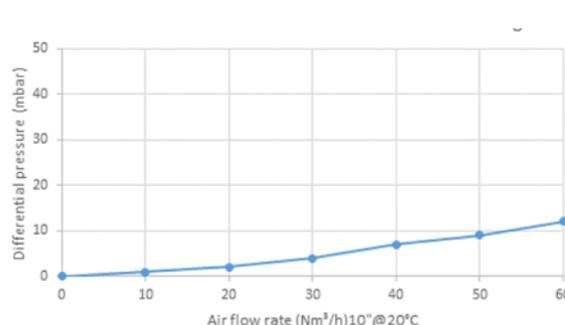
- **Maximum Differential Pressure:** 5,5 bar at 25°C
2,1 bar at 100°C
- **Max operating temperature:** 90°C
- **In situ steam Sterilization:** 121°C 20min
with dP 0,3 bar
- **Autoclaving:** 134°C 30min
- **Filtration area:** 0,4 m²/10"

* 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			-		-			
Code	Removal rating micron	Code	Length		Code	End caps	Code	O-Rings
001	0,01µm	1,5	34	1,5	STC	Sartorius code 28	S	Silicone
030	0,30µm	2,5	65	2,5	HTC	222 O-ring/flat (Code 3)	E	EPDM
050	0,50µm	05	133	5	HTF	222 O-ring/fin (Code 8)	V	Viton
		10	254	10	HSF	226 O-ring/fin (Code 7)		
		20	508	20	HSC	226 O-ring/flat top		
		30	762	30	HST	P-MCY I/S-15		
					STZ	dh Z		
					CP2	R-2"		
					CP1	R-1"		
					HSH	H code		
					DHA	½" BSP		
					HSU	MCY 1001		
					HSM	1110 / Millipore		
					STT	T-code bajonet		