

SLF-T Series PTFE cartridges

For sterile air and gas



Masterfilter SLF-T series filter cartridges

Masterfilter SLF-T series filter cartridges manufactured with permanently hydrophobic **PTFE membranes** are designed for sterile filtration of air and gas. Due to their permanent hydrophobicity, SLF-T cartridges offer high process security, with high volume gas streams and can withstand high differential pressures and stringent in-line steam sterilizations.



Applications

- Gas filtration
- Venting
- Sterile air supply
- Pharmaceutical
- Fermentation
- Food

Features and Benefits

- 0,2 µm rated (0,01 µm for gases)
- Pleated surface provides excellent flow rate and long service life
- Permanently hydrophobic PTFE for maximum security with wet and dry gas
- PTFE offers compatibility with most chemicals
- Suitable for all integrity test procedure Incl. WIT

Materials of construction

- **Membrane:** Hydrophobic PTFE
- **Support Layers:** Polypropylene
- **Inner core:** Polypropylene
- **Outer cage:** Polypropylene
- **End caps:** Polypropylene
- **End cap insert:** PBT
- **O-rings:** EPDM/Silicone

Operating parameters

- **Max. differential pressure:** 6,9 bar @ 25 °C
2,4 bar @ 85 °C
- **Max. differential pressure reverse:** 3,0 bar @25 °C
1,0 bar @ 80 °C
- **In situ steam Sterilization:** for 30min @145°C
(< 0,3 bar) up to 100 cycles
- **Autoclaving:** 134°C, 30min
- **Max. continuous air inlet temp.:** 60°C
- **Surface area 10" : 0,85 m2**

Quality assurance

- Cartridges produced in a controlled environment
- Manufactured under ISO 9001:2015 certified quality management system and cGMP

SLF-T Series PTFE cartridges

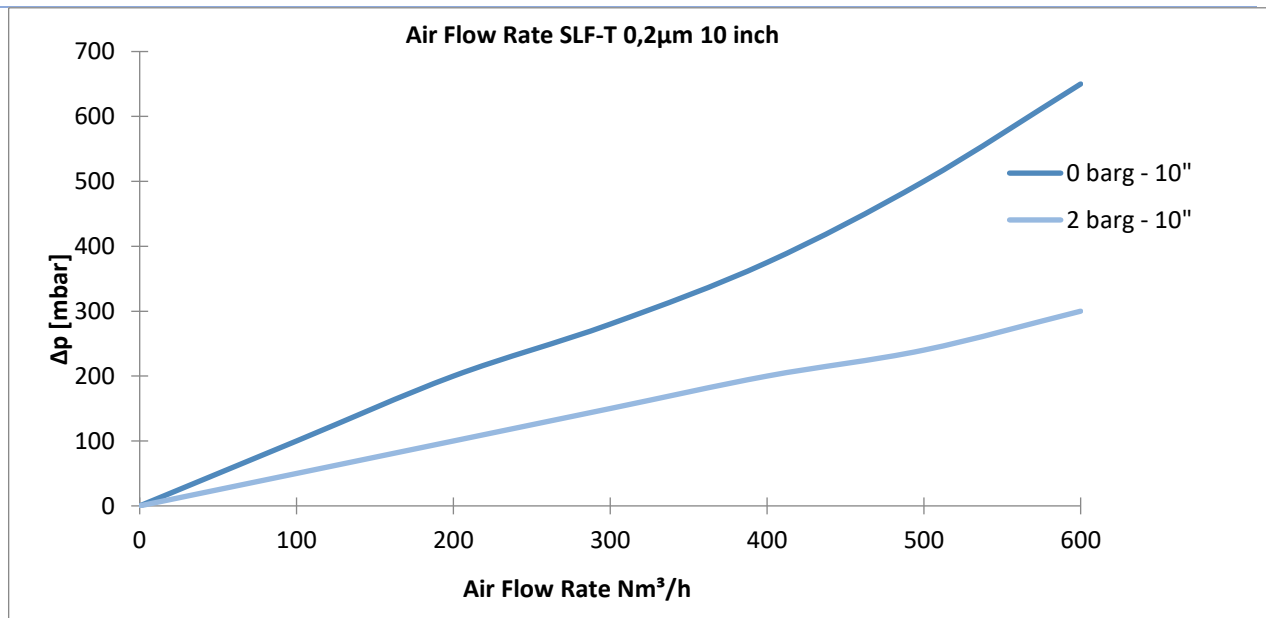
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Biological standards

- Comply with the relevant requirements of EU 1935/2004 and EU directive 10/2011
- Comply with USP Plastics Class VI - 121 °C and ISO10993 equivalents

Flow Rate Characteristics



Part Numbers

SLF-T

002

-

10

-

HSF

-

S

Code	Removal rating µm
002	0,2

Code	Length	
	mm	inch
2,5	70	2,5
05	133	5
10	254	10
20	508	20
30	762	30
40	1016	40

Code	End caps
STC	Satorius code 28
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)
HST	P-MCY 4463 Sart-15
SLV	P-MCY 111/222/444
STZ	Dh Z
STT	126 'o' ring (T-style)
PC2	R-2"
HSB	H code
HSU	MCY 1001
SLK	Sealkleen connection
HSM	Millipore hold down tabs
DHA	0,5" threaded

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

e.g. part number: SLF-T002-10-HSF-S

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