

SLF-CT PTFE

Gas Filter Capsule



Masterfilter SLF-CT series filters with 0,2 µm sterilizing grade hydrophobic PTFE membranes are used for removal of particles and micro-organisms from gases. Made of polypropylene and high-performance PTFE, SLF-CT is an ideal filter to satisfy the highest standards in a broad range of applications. It is especially designed for self-contained assemblies in pharmaceutical use.



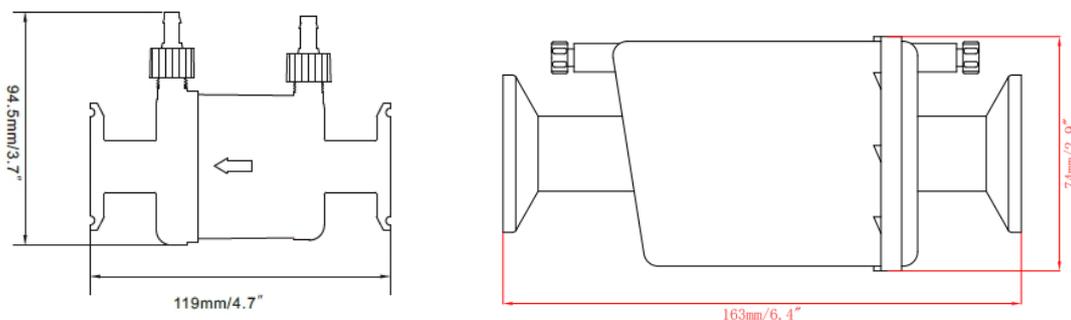
Application

- Sterile gas filtration
- Fermenter venting
- Autoclaves

Features and Benefits

- 0,2 µm rated inherently hydrophobic PTFE membrane
- Robust construction ensures integrity and reliability
- High Flow rate and Low pressure drop
- Permanently hydrophobic PTFE for maximum security with wet and dry gas
- No binders and glues
- Suitable for all integrity test procedures, incl. WIT
- High-strength design

Capsule dimensions



Inlet/Outlet 38mm (1½") Sanitary flange
Vent/drain Inlet / outlet

Materials of Construction

- **Housing:** Polypropylene
- **Drainage and support layers:** Polypropylene
- **End cups, core and cage:** Polypropylene
- **Vent and Drainage O-ring:** Silicone
- **Filter media:** PTFE membrane

Operating Parameters

- **Max differential pressure forward:** 5,0 bar (25°C)
- **Max. back pressure:** 3,0 bar (25°C)
- **Autoclaving:** 134°C, 30min
- **Maximum Cumulative:** Up to 140°C
- **Autoclave time:** 50 hours

Nominal Filter Area

- SLF-CT002-05-TC: 0,05 m²
- SLF-CT002-6,5-TC: 0,16 m²

Integrity Testing Values

- **Bubble Point** ≥ 1.080 mbar in 60/40 IPA (20°C)
- **WIT SLF-CT002-05-TC** ≤ 225 µL/10min
- **WIT SLF-CT002-6,5-TC** ≤ 760 µL/10min

Biological Safety

- Comply with the relevant requirements of EU 1935/2004 and EU directive 10/2011 EC
- Non-fibre releasing according to 21CFR, 210.3
- Meets USP Biological Reactivity Test Class VI-121°C Plastic
- Meets Oxidables and PH per USP PW
- Non-Pyrogenic per USP Bacterial Endotoxins (< 0,25 EU/mL)

Part Numbers

SLF-CT002-6,5-TC

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