

### Masterfilter SLF-CT series

The Masterfilter *OptiFluor* SLF-CT series filters with 0.2 µm sterilising grade hydrophobic PTFE membranes are used for removal of particles and micro-organisms from gases. Made of polypropylene and high-performance PTFE the 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.

### Applications

- 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

### 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 at 25 °C)
- Max. back pressure: 3.0 bar at 25 °C
- Autoclaving: 134 °C for 30 minutes
- Maximum cumulative: up to 140 °C
- Autoclave time: 50 hours



### Nominal Filter Area

- SLF-CT002-05-TC: 0.05 m<sup>2</sup>
- SLF-CT002-6,5-TC: 0.16 m<sup>2</sup>

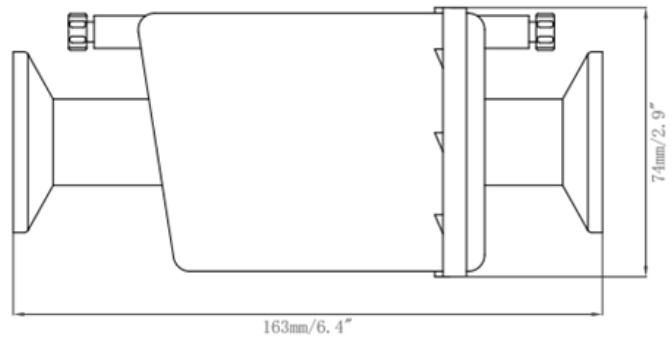
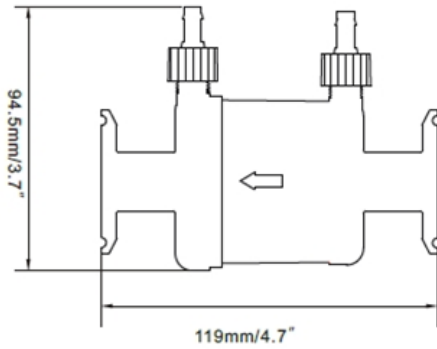
### Integrity Testing Values

- Bubble Point: ≥ 1.080 mbar in 60/40 IPA at 20 °C
- WIT SLF-CT002-05-TC: ≤ 225 µL/10 min
- WIT SLF-CT002-6.5-TC: ≤ 760 µL/10 min

### 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)

### Capsule Dimensions



Inlet/Outlet: 38 mm (1½") Sanitary flange

Vent/drain: Inlet / outlet

### Part Numbers

**SLF-CT002-05-TC**

**SLF-CT002-6.5-TC**