

Masterfilter SLV-T series

The Masterfilter *OptiVent* SLV-T series cartridges with 0.2 µm hydrophobic PTFE are used for sterilising removal of particles and micro-organisms from gases. Made of polypropylene and PTFE the SLV-T is an ideal filter for any sterile vent application in a broad range of applications.

Applications

- Sterile venting of transport containers
- Sterile tank venting
- Autoclaves
- Sterile gas filtration

Features and Benefits

- 0.2 µm rated
- 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 procedures

Materials of Construction

- Membrane: PTFE
- Support layer: Polypropylene
- Inner core: Polypropylene
- Outer cage: Polypropylene
- End caps: Polypropylene
- O-rings: Silicone

Operating Parameters

- Max. differential pressure: 5.0 bar at 20 °C, 1.5 bar at 85 °C, 0.5 bar at 134 °C
- Max. back pressure: 3.0 bar at 20 °C, 1.5 bar at 85 °C, 0.5 bar at 134 °C
- Autoclaving: 134°C for 30minutes
- Pore size: 0.2 µm
- Filtration area: 0.05 m²

Flow rates

- Up to: 28 m³/h at 0.85 bar differential pressure
- Opposite: 25 m³/h at 0.8 bar differential pressure



Cartridge Size

- Diameter: 70 mm
- Height: 33 mm

Food and Biological Standards

- Comply with the relevant requirements of EU 1935/2004 and EU directive 10/2011 non fibre releasing according to 21CFR, 210.2

Integrity Testing

- Bubble Point: ≥ 1.080 mbar in 60/40 IPA at 20 °C
- WIT (water intrusion): ≤ 580 µL/10 min

OptiVent SLV-T Series Filter

Air Vent PTFE Cartridge Filter



Part Numbers

SLV-T 002 - 1 - STV - S

Code	Removal rating [μm]	Code	Length		Code	End caps	Code	O-Ring
			[mm]	[inch]				
002	0.2	1	33	1	STV	Double O-ring 118	S	Silicone

e.g. part number: SLV-T-002-1-STV-S (cartridge with tabs and no QR-Code)

e.g. part number: SLV-T-002-1-STV-S (cartridge with tabs and QR-Code)

e.g. part number: SLV-T-002-1-STV-S (cartridge without tabs and no QR-Code)