

## Optivent SLV Air vent cartridge

Masterfilter SLV-Optivent cartridges with 0,2µm hydrophobic PTFE are used for sterilizing removal of particles and micro-organisms from gases. Made of polypropylene and PTFE, Optivent is an ideal filter for any sterile vent application in a broad range of applications.

### 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



### Applications

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

### Cartridge size

Ø: 70 mm  
Height: 33 mm

### Pore size

0,2µm

### Filtration area

0,05 m<sup>2</sup>

### Flow rates

Up to : 28 m<sup>3</sup>/h ( 0,85 bar dp )  
Opposite : 25 m<sup>3</sup>/h ( 0,8 bar dp )

### Materials of construction

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

## Operating Characteristics

Maximum Differential: 5,0 bar (20°C)  
Pressure: 1,5 bar (85°C)  
0,5 bar (134°C)

Max. back pressure : 3,0 bar (20°C)  
1,5 bar (85°C)  
0,5 bar (134°C)

Autoclaving: 134°C, 30min

## Food and Biological Safety

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  $\geq 1080$  mbar in 60/40 IPA (20°C)  
WIT (water intrusion)  $\leq 580\mu\text{L}/10\text{min}$

## Ordering Information

Code	Removal rating micron	Code	length		Code	end caps	Code	O-Rings
			mm	inch				
002	0,2 $\mu\text{m}$	1	33	1	STV	double o-ring 118	S	Silicone

**SLV-T002-1-STV-S (cartridge with tabs, no QR-code)**

**SLV-T002-1-STV-S-T (cartridge with tabs + QR-code)**

**SLV-T002-1-STV-S-G (cartridge without tabs + bar code)**

