

## **VENTING SYRINGE FILTER**

### **Recommended for venting applications and sterilization of air and gases**

- Incorporated PTFE membrane reinforced with a polypropylene mesh in order to allow to work at higher pressures, fixed without adhesives to the polypropylene housing.
- Hydrophobic
- Reusable filter units ( at least 20 autoclaving)
- Lightweight (approx. 20 g)
- Tapered hose barbs ensure a simple and secure hold for 6-12 mm inner diameter tubing.
- High flow rate
- Pore size 0.20  $\mu\text{m}$  and 0.45  $\mu\text{m}$
- Sterilization by autoclaving at 121°C (at least 20 times) or at 134°C

### **Technical specifications:**

Material filter	PTFE – reinforced with Polypropylene	
Material housing	Polypropylene	
Pore	0.2	0.45
Filter area (cm <sup>2</sup> )	20	20
Housing diameter (mm)	64	64
Flow rate (1) (l/min)	5	8.5
Bubble point (2) (bar)	1.1	0.9
Water penetration point (breakthrough)	4	3
Hold up volume (before /after bubble point)	1.0/0.5	1.0/0.5
Max. operational pressure (bar)	3	3
Max. temperature (°C)	134	134

(1) Flow rate for air at  $A_p = 1 \text{ bar}$  ( 100kPa, 14.5 psi)

(2) Wetting fluid: Isoporpyl

**Applications:**

- Sterile venting of filling vessels and fermentation carboys, including culture vessels and CO<sub>2</sub> (6-12 litres)
- Venting of holding tanks for sterile, distilled water and liquid culture media
- Autoclaving venting
- In-line sterilization of and particulate removal from air and gases, such sterilization of air for small fermenters

**Ordering information:**

Pore	Connector	Units/pack	code
0.2	Olive/olive	12-sterile	<b>JPTS02062M12</b>
0.2	1/8" NTP	12-sterile	<b>JPTS02062NTP12</b>
0.2	Olive/olive	100-non sterile	<b>JPT02062M100</b>
0.2	1/8" NTP	100-non sterile	<b>JPT02062NTP100</b>
0.45	Olive/olive	12-sterile	<b>JPTS04562M12</b>
0.45	1/8" NTP	12-sterile	<b>JPTS04562NTP12</b>
0.45	Olive/olive	100-non sterile	<b>JPT04562M100</b>
0.45	1/8" NTP	100-non sterile	<b>JPT04562NTP100</b>