



## Bacterial Air Vents

### *Economical, Disposable Depth Filter for Venting Applications*

- Hydrophobic media allows air and gasses to pass freely while blocking aqueous fluid and aerosol contaminants.
- Versatile. Can be used for in-line barrier on culture vessels or for bioisolation of vacuum sources.
- High pressure rating ensures product integrity during pressure surges.

### *Applications*

- Use as a vent device for receiving vessels and small isolation or environmental chambers.
- Recommended for small-volume venting and degassing.

### *Specifications*

#### **Materials of Construction**

Filter Media: Hydrophobic glass laminate (polyester/glass fiber/polyester)  
Housing: Polypropylene

#### **Effective Filtration Area**

7.5 cm<sup>2</sup>

#### **Dimensions**

Overall Length: 5.3 cm (2.1 in.)  
Diameter: 4.5 cm (1.8 in.)

#### **Inlet/Outlet Connections**

Stepped hose barbs, 6.4 - 9.5 mm (1/4 - 3/8 in.)

#### **Maximum Operating Temperature**

121 °C (250 °F) at 1.0 bar (100 kPa, 15 psi)

#### **Maximum Operating Pressure**

5.2 bar (520 kPa, 75 psi) at ambient temperatures



#### **Typical Air Flow Rate**

40 L/min at 0.4 bar (40 kPa, 5.5 psi)

#### **Typical Aerosol Retention<sup>1</sup>**

99.97% 0.3 µm (aerosolized DOP) at 32 L/min/100 cm<sup>2</sup>

#### **Sterilization**

PN 4210: Provided non-sterile. Autoclavable if desired at 121 - 123 °C (250 - 253 °F) for a maximum of 15 min.

PN 4308: Sterilized by gamma irradiation.

<sup>1</sup>Following ASTM D 2986-95A

### *Ordering Information*

#### **Bacterial Air Vents**

<b>Part Number</b>	<b>Description</b>	<b>Pkg</b>
4210	1 µm (nominal), 37 mm	24/pkg
4308	1 µm (nominal), 37 mm, sterile	10/pkg



Laboratory

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