



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 cm²

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 Retention¹

99.97% 0.3 µm (aerosolized DOP) at 32 L/min/100 cm²

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.

¹Following ASTM D 2986-95A

Ordering Information

Bacterial Air Vents

| Part Number | Description | Pkg |
|--------------------|--------------------------------|------------|
| 4210 | 1 µm (nominal), 37 mm | 24/pkg |
| 4308 | 1 µm (nominal), 37 mm, sterile | 10/pkg |



Laboratory


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