PALL Laboratory

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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 contaminents.
- 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 Retention[1]
99.97% 0.3 µm (aerosolized DOP) at 32 L/min/100 cm^2

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.

[1] *Following 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

PALL Laboratory

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Filtration. Separation. Solution.SM

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