Bacterial air vents

RECOMMENDED FOR SMALL-VOLUME VENTING AND DEGASSING FOR RECEIVING VESSELS AND SMALL ISOLATION OR ENVIRONMENTAL CHAMBERS

Cytiva's bacterial air vents provide reliable, economical protection for venting applications. The hydrophobic depth filter allows free airflow while blocking liquids and aerosol contaminants. Our vents are ideal for small volume venting and bioisolation where performance and simplicity matter.

Our bacterial air vents offer the following benefits.

- Hydrophobic media allows air and gases 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^2

Dimensions

Overall length	5.3 cm (2.1 in.)
Diameter	4.5 cm (1.8 in.)

Fig 1. Bacterial air vents.

Inlet/outlet connections

Stepped hose barbs, 6.4-9.5 mm (¼ - ⅜ 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

Minimum air flow rate

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

Typical aerosol retention

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

Sterilization

PN 4210-N	Provided non-sterile. Autoclavable if desired at 121-123°C (250-253°F) for a maximum of 15 minutes
PN 4308-N	Sterilized by gamma irradiation

Ordering information

Bacterial air vents

Description	Quantity per package	Product code
Bacterial air vent, 37 mm, 1 µm	24	4210-N
Bacterial Air Vent, 37 mm, 1 µm, sterile	10	4308-N

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For local office contact information, visit cytiva.com/contact

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