

Vacushield™ Vent Device

Protects valves and pump components from damage due to liquids



- ▶ Incorporates a hydrophobic PTFE membrane.
- ▶ Allows air and gases to pass through freely while blocking aqueous solutions and aerosol contaminants.
- ▶ Offers highly effective retention of bacteria with minimal restriction of pump performance.

Applications

- ▶ Use between a pump and receiving vessel to protect valves and pump components from damage by aqueous solutions.
- ▶ Protects laboratory personnel from potential biohazards, airborne contaminants, and aerosolized oil.

Specifications

Materials of Construction

Filter Media: PTFE on a polypropylene support
Housing: Polypropylene

Effective Filtration Area

19.6 cm²

Dimensions

Overall Length: 8.2 cm (3.2 in.)
Diameter: 7.3 cm (2.9 in.)

Inlet/Outlet Connections

Stepped hose barbs 6.4 - 12.7 mm (1/4 - 1/2 in.) diameter; internal taper accepts standard male luer

Maximum Operating Temperature

130 °C (266 °F)

Maximum Operating Pressure

1.0 bar (100 kPa, 15 psi)

Typical Air Flow Rate

8 L/min at 0.2 bar (20 kPa, 3 psi)

Typical Aerosol Retention*

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

*Following ASTM D 2986-95A

Ordering Information

Vacushield Vent Device

Part Number	Description	Pkg
4402	50 mm, hose barb	3/pkg

Related Products

Vacuum Pressure Pumps 273