Pall Corporation

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Acro® 50 Vent Devices with PTFE Membrane

Description

50 mm Filters with Superior Performance for Demanding Applications



- Reusable and autoclavable
- PTFE membrane and polypropylene housing have broad chemical resistance
- Large surface area provides greater throughput and high air flow rate
- Available with a variety of inlet and outlet connectors

Application

- Venting bioreactors, fermentation tanks, and carboys
- Sterile gas purging of culture vessels
- Filtering aggressive solvents

Specifications

Materials of Construction

- Filter Media: PTFE on a polypropylene support
- Housing: Polypropylene

Effective Filtration Area

- 19.6 cm^2

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, 1/8 in. MNPT, 9.5 mm (3/8 in.) straight pipe

Maximum Operating Pressure

- 4.1 bar (410 kPa, 60 psi) at ambient temperature

Recommended Integrity Test Minimum Bubble Point – Methanol

- 0.2 µm: 0.9 bar (90 kPa, 13 psi)
- 0.45 µm: 0.3 bar (34 kPa, 5 psi)
- 1 µm: 0.2 bar (20 kPa, 3 psi)

Typical Air Flow Rates

- L/min at 0.2 bar (20 kPa, 3 psi)
- 0.2 µm: 8
- 0.45 µm: 12
- 1 µm: 15

Biological Safety

- Passes United States Pharmacopeia (USP) Biological Reactivity Test, *In Vivo* <88>

Sterilization

- Provided non-sterile. All are individually packaged (except PN 4250).
- Can be sterilized by autoclaving at 121 - 123 °C (250 - 253 °F) for 20 min. Integrity should be verified after

each autoclave cycle and before use

Related Products

Integrity Test Kit

- Verifies device integrity using oneminute water breakthrough or bubble point tests
- Non-destructive test performed either in situ or in the lab
- For use with Acro 50 vent devices

Ordering Information

Part Number	Description	Pkg	Price	Qty
Acro 50 Vent Devices				
4251	0.2 µm, hose barb	18/pkg	NA	0
4250	0.2 µm, hose barb	72/pkg	NA	0
4400	0.2 µm, 1/8 in. MNPT	18/pkg	NA	0
4401	0.2 µm, 9.5 mm (3/8 in.) straight pipe	18/pkg	NA	0
4256	0.45 µm, hose barb	18/pkg	NA	0
4258	1 µm, hose barb	18/pkg	NA	0
4003	1 µm, 1/8 in. MNPT	18/pkg	NA	0
Integrity Test Kit				
4252	Integrity Test Kit, includes pressure guage, three-way valve, and 10 mL syringe	1/pkg	NA	0

Contact Information

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Driving Directions
Map

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