Vacushield™ vent device

Instructions for Use

Introduction

Important

Read these instructions carefully before using the products.

Intended use

The products are intended for research use only, and shall not be used in any clinical or *in vitro* procedures for diagnostic purposes.

Product description



- For use between a vacuum pump and a receiving vessel to protect the valves and pump components from damage by aqueous fluids.
- Allows air and gas to pass freely while blocking aqueous fluid and aerosol contaminants.
- Retains bacteria with minimal restriction to pump performance.

Operation

Place the Vacushield™ vent device in-line between the vacuum pump and the collection vessel.

Note: *Orient the Vacushield vent device with printed ("Fluid") side as inlet and unprinted side as outlet facing the vacuum pump.*

The filter is designed to accept ¼ to ½ inch flexible tubing. The hose barb connection has an inner taper that accepts standard male luers.

Note: *Fluids with surface tensions lower than water (e.g., alcohol, solvents) might reduce the hydrophobic properties of the microporous membrane.*

The Vacushield vent device can be used as a permanent part of the vacuum pump system. It must be changed when the vacuum pump efficiency has been reduced to an undesirable level. The efficiency can be reduced due to build-up of aerosol or fluid contamination within or on the surface of the PTFE membrane filter.

Specifications

Parameter	Specifications
Materials of construction	Filter media: PTFE on a polypropylene support Housing: Polypropylene
Inlet and outlet connections	Stepped hose barbs, 6.4 to 12.7 mm (¼ to ½ inch) diameter; internal taper accepts male slip luer
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)

Ordering information

Product code	Description	Pkg
4402	Vacushield vent device, 50 mm	3/pkg

For ordering information, visit *cytiva.com*.

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