



Biologix[®] Vent Filters



Biologix® Vent Filters

Description

Biologix® Vent filters, are designed for obstructing bacterial, particles or moisture when venting in different applications.

The filters are basically incorporates a hydrophobic PTFE membrane in a polypropylene housing, provide excellent thermal and chemical compatibility . The Vent filters are available in diameter 13mm, 25mm, 50mm, with pore sizes 0.22µm or 0.45µm and different connections.



Features

- Integrity testable
- Robust design and construction allows for multiple autoclave cycles
- Designed to be reusable but also offers the convenience of being disposable
- Available in pre-sterilized or non-sterilized packaging PTFE
- Membrane and polypropylene housing offers broad chemical compatibility
- Optimized PTFE membrane provides superior flow rates in a compact device
- Provides ULPA filtration (>99.999% @ 0.3µm)

Applications

- Sterile Venting of bioreactors, fermentation tanks, media flasks, and carboys
- Sterile gas purge of cell culture vessels or filling vessels
- In-line sterilization of and particulate removal from air and gases
- Obstruct moisture to protect equipment.

Specifications

50mm	
Housing material	Polypropylene
Filter material	PTFE membrane with polypropylene support
Sealing Technology	Thermally bonded
Housing diameter(mm)	64
Height(mm)	70
Filtration area(cm ²)	19.6
Inlet/Outlet Connections	1/4-1/2" (7-13mm) stepped hose barb
Pore size (liquid rating)	0.22 µm, 0.45 µm
Bubble point with isopropanol (60%) or ethyl alcohol (integrity test)	0.22 µm > 0.9bar(12.8psi) 0.45 µm > 0.49bar(7.1psi)
Maximum operating pressure (20 °C)	3.5bar (50.7psi)
Max. autoclaving temperature	121 °C (273.2 °F)
Autoclave cycles	≥3
Sterilization	γ Ray / ETO/ Autoclave
Flow rate for air (l/min@20KPa)	0.22 µm: 5 0.45 µm: 8
Particle Retention	ULPA filtration (>99.999% @ 0.3µm)
Endotoxin Level(LAL test)	< 0.25 EU/mL
Biosafety	USP Plastics Class VI @ 121 °C
Resistance to water pressure (0.22µm@2.1bar)	>15S

* Special design is available for higher flow rate>4L

Ordering Information

ITEM		DESCRIPTION	PCS PER BOX
Vent Filter			
50mm	BV-PTFE5022N	50mm Vent Filter, Hydrophobic PTFE, Pore: 0.22(μm), Housing Diameter: 13(mm), Non-Sterile	20
	BV-PTFE5045N	50mm Vent Filter, Hydrophobic PTFE, Pore: 0.45(μm), Housing Diameter: 13(mm), Non-Sterile	20
	BV-PTFE50100N	50mm Vent Filter, Hydrophobic PTFE, Pore: 1(μm), Housing Diameter: 13(mm), Non-Sterile	20
	BV-PTFE5022S	50mm Vent Filter, Hydrophobic PTFE, Pore: 0.22(μm), Housing Diameter: 13(mm), EO Sterile, Independent Packing	20
	BV-PTFE5022TS	50mm Vent Filter, Hydrophobic PTFE, Pore: 0.22(μm), Housing Diameter: 13(mm), EO Sterile, Independent Packing, 100% inspection	20
	BV-PTFE5045S	50mm Vent Filter, Hydrophobic PTFE, Pore: 0.45(μm), Housing Diameter: 13(mm), EO Sterile, Independent Packing	20
	BV-PTFE50100S	50mm Vent Filter, Hydrophobic PTFE, Pore: 1(μm), Housing Diameter: 13(mm), EO Sterile, Independent Packing	20



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