

Alipore® TAHF Sterilizing-Grade Hydrophobic PTFE Gas Disc Filter

Hydrophobic Polytetrafluoroethylene (PTFE)

Sterilizing-grade gas filters

Non-aqueous liquid filtration



Product Introduction

The Alioth Alipore® TAHF Series features a hydrophobic and chemically inert PTFE (polytetrafluoroethylene) filter membrane. Through rigorous liquid bacteria retention validation, the product effectively retains microorganisms and particles even in wet or humid gas streams. Engineered for high mechanical strength, it withstands repeated steam-in-place (SIP) sterilization cycles. The TAHF Series is ideal for sterile gas filtration and the filtration of organic solvents with stringent quality requirements in pharmaceutical applications.

Key Features and Benefits

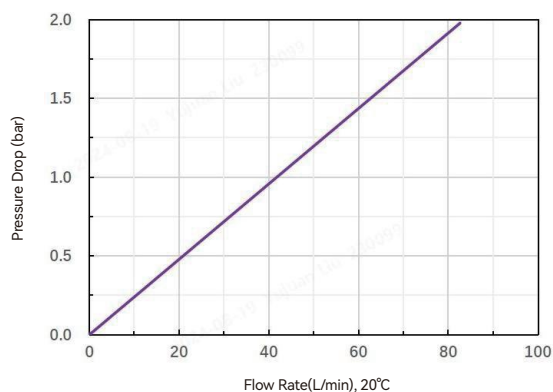
- Natural hydrophobic material
- High gas flux and low-pressure drop
- Reliable bacterial/particles removal efficiency
- Excellent chemical compatibility

Typical Applications

- Sterile gas filtration
- Sterile filtration of organic solvents vent

Typical Flow Characteristics

Air Flow Rate and Pressure Drop-Alipore® TAHF 0.2 µm Disc Filters



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⊕ Product Specifications - Alidisk® Disc Filters

Product Specifications	Diameter	50 mm
Materials of Construction	Membrane	Hydrophobic Polytetrafluoroethylene (PTFE)
	Inlet/Outlet Cap, Supporting layer	Polypropylene (PP)
Integrity Testing	Bubble Point	≥1100 mbar (16 psi) (wetted with 60% IPA, 20°C, compressed air)
	Maximum Differential Pressure	Forward: 5.0 bar (72.5 psi) @ 25°C
		Reverse: 3.0 bar (43.5 psi) @ 25°C
	Sterilization Resistance	Autoclave(A): 125°C, 60min, 30 cycles
		*Capsule filters can't be sterilized by SIP, sterile type capsule filters can't be sterilized again
	Effective Filtration Area	18 cm²
	Pore Size	0.2 µm
	Bacterial Retention	>10 ⁷ cfu/cm² B. <i>diminuta</i> (ATCC® 19146™)
	Working Characteristics	All construction components meet the biological safety requirements referring to USP<88>
		Class VI plastic and USP<87>
	Indirect Food Additive	All component materials meet the requirements of Indirect Food Additive cited in EU 1935/2004/EC and FDA 21 CFR 177-182
	Cleanliness	Meets the requirements for a 'non-fiber releasing' filter defined in FDA 21 CFR 211.72 and 210.3 (b) (5) (6), and particulate matter meets the requirements of USP<788>
	Endotoxin	Endotoxin<0.25 EU/mL by LAL test method, which complies with the requirements of USP<85>
	Manufacturing Integrity	100% integrity test passed
	Manufacturing Environment	Manufactured in conformance with cGMP

⊕ Ordering Information

Format	Membrane material	Membrane series	Pore size	Length	Disc adaptor
D=Disc	T=PTFE	A=A series	02=0.2 µm	5=Diameter 50 mm	B0=7-13 mm(1/4"-1/2") Hose barb inlet and outlet
Package	Sterilization				
6=6/PK	A=Autoclavable				