Aligard® MHF High-Flowrate Hydrophilic MCE Prefilter

High Flowrate
High Capacity
High Dirt-holding Capacity

Mixed Cellulose Ester (MCE)

Product Introduction

Alioth Aligard® MHF Single-layer Cartridge Filter, constructed from mixed cellulose ester, features a robust structure with stable material properties. It delivers high-efficiency contaminant retention, effectively removing particles and colloidal substances without blocking critical active ingredients. This ensures the protection of downstream filtration equipment while preventing early fouling.

Key Features and Benefits

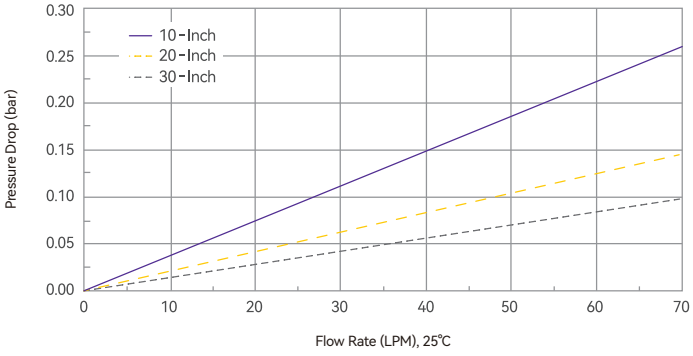
- High flow rate
- High capacity
- Non-fiber release
- Resistance to multiple steam sterilization

Typical Applications

- Culture media and buffer prefiltration
- LVP/SVP prefiltration
- Plasma product prefiltration
- Pre-column protective filtration

Typical Flow Characteristics

Water Flow Rate and Pressure Drop-Alipore® MHF 0.45 µm Cartridge Filters



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Product Specifications

Product Specifications		5 inch	10 inch	20 inch	30 inch
	Diameter	69 mm	69 mm	69 mm	69 mm
	Maximum Length	155 mm	318 mm	566 mm	813 mm
Materials of Construction	Membrane	Mixed Cellulose Ester (MCE)			
	Supporting Layer	Polypropylene (PP)			
	O-rings	Silicone, Ethylene propylene diene monomer(EPDM), FEP/PFA encapsulated O-rings			
	Core/Cage/End caps/Adaptor	Polypropylene (PP)			
Working Characteristics	Maximum Differential Pressure	Forward: 5.0 bar（72.5 psi）@ 25℃/1.5 bar（21.75 psi）@ 80℃ Reverse: 2.0 bar（29.0 psi）@ 25℃			
	Sterilization Resistance	Steam-In-Place: 121℃, 30 min,5 cycles Autoclave: 121℃, 30 min,5 cycles			
	Effective Filtration Area	0.32 m^2	0.68 m^2	1.32 m^2	2.04 m^2
	Pore Size	0.45 μm			
	Biological Safety	All construction components meet the biological safety requirements refering 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>			
	TOC/Conductivity	TOC<0.5 mg/L, Conductivity<1.3 μS/cm			
	Manufacturing Integrity	100% integrity test passed			
	Manufacturing Environment	Manufactured in conformance with cGMP			

Ordering Information

Format
C=Cartridge

Membrane material
M=MCE

Membrane series
B=B series

Pore size
04=0.45 μm

Length
5=5 inch
1=10 inch
2=20 inch
3=30 inch

Catridge adaptor
7=226, Spearhead with fins
2=226, Flat end witah fins(5 inch)

O-ring
S=Silicone
T=EPDM
B=FEP/PFA encapsulated O-rings

Package
1=1/PK
3=3/PK(20&30 inch)