

MEMFLO Junior Filter Cartridges



MemFlo Junior filter cartridges are manufactured with a wide variety of membrane that allows a high flow with minimal pressure drop while ensuring full retention of contaminant bacteria and yeast. Memflo Filter cartridge membrane has low-binding characteristics that offer a significant reduction in flavor and color loss in comparison to alternative materials. All materials are FDA CFR Title 21 and USP VI approved. The cartridge meet EC10/2011 standard as well.



Material of Construction

Media : PTFE / PES/ Nylon
Media support : Polypropylene
Cage core and end caps : Polypropylene
Sealing : Thermally welded

Features and Benefits

- Robust construction to withstand high pressure drops and chemical and thermal stress
- Simplified and rapid integrity testing
- Minimal adsorption of product
- High flow with a low pressure drop
- True sterile filtration at each micron
- Variety of connections to retrofit major competitors

Application

- Final sterile filtration
- Research & development
- Biopharmaceuticals validation studies
- Product Pilot Plant (API)
- pharmaceuticals
- Filling & Packing

Dimensions

Lengths available: 1.5", 2.5", 5" inch

Pore Size

0.1μ, 0.22μ, 0.45μ, 0.65μ, 1.0μ,

Gas Sterilization

The filter can be gas sterilized at 121°C for 25 minutes upto 20 cycles (PES).

The filter can be gas sterilized at 121°C for 25 minutes upto 65 cycles (PTFE).

Also this filter can undergo sanitized by hot water at 80°C For 15 minutes

IR	IRS	SLV	SLVL/S	B7	CM	M1	SK

MEMFLO Junior Filter Cartridges



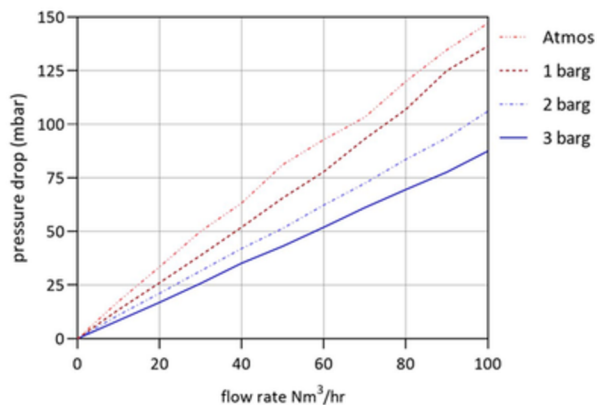
MEMSEP
FILTRATION

Operating Conditions

Maximum differential pressure 5.0 bar at 50°C
Max. reverse differential pressure 1 bar at 50°

Maximum operating temperature : 80°C

Air flow vs pressure drop at various pressures for a 5 inch MMT IR/IRS, 0.2 µm zPTFE membrane junior cartridge



Maximum and recommended operating pressures (liquid applications)

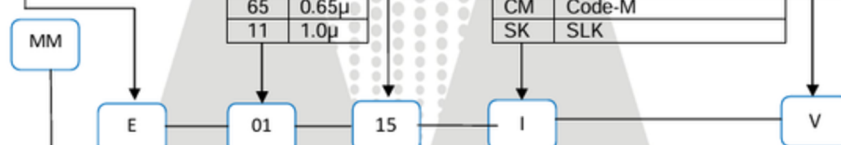
Recommended max. differential pressure 2.1 bar (based on ASTM-F838 bacterial retention)

Maximum differential pressure 5.0 bar at 50°C

Max. reverse differential pressure 1 bar at 50°C

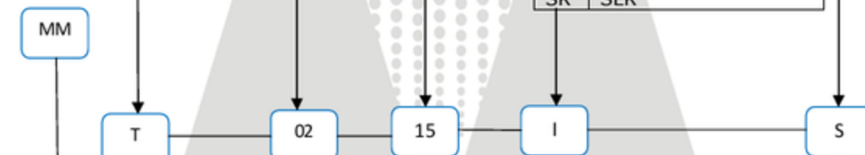
Ordering Guide

Media	Micron Rating	Length	End Connections	"O" Ring/Gasket
E Polyethersulfone	01 0.1µ	15 1.5 "L	IR IOR	E EPDM
	02 0.2µ	25 2.5 "L	SV SLV (External "O" Ring)	V Viton
	45 0.4µ	05 5 "L	B7 Baby CD-7	S Silicone
	65 0.65µ		CM Code-M	
	11 1.0µ		SK SLK	



Memflo Mini Filter Cartridge Polyethersulfone media of 0.1µ with internal "O" Ring base connection, 1.5inch length along with Viton "O" Ring.

Media	Micron Rating	Length	End Connections	"O" Ring/Gasket
T Polytetrafluoroethylene	02 0.2µ	15 1.5 "L	IR IOR	E EPDM
	45 0.45µ	25 2.5 "L	SV SLV (External "O" Ring)	V Viton
	65 0.65µ	05 5 "L	B7 Baby CD-7	S Silicone
	11 1.0µ		CM Code-M	
			SK SLK	



Memflo Mini Filter Cartridge Polytetrafluoroethylene media of 0.2µ with internal "O" Ring base connection, 1.5inch length along with silicone "O" Ring.

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