

PVF Series

Hydrophilic PVDF Membrane Pleated Filters

Description

PVF Series Hydrophilic PVDF Membrane Pleated Filters are composed of Hydrophilic polyvinylidene fluoride membrane and advanced polypropylene support components. PVDF pleated filters have thermally welded adaptors, which help the filters be free of additives, binders and lubricants. and high flow rate with long working life. Hydrophilic PVDF membrane pleated filters provide superior filtration efficiency especially when dealing with particle and bacteria. PVDF filters are with wide chemical compatibility and thermostability, which meet high-purity filtration requirements with exceptional filtration efficiency and reasonable price.



Features

- Hydrophilic PVDF pleated filters are 100%-integrity & bubble-point tested
- Large flow rate, high bacteria and particulate removing efficiency and long service life
- PVDF membrane filters are easy to assemble, and fit for international standard housings
- PVDF pleated filters satisfy various chemical processes due to broad chemical compatibility
- High-surface-area design provides excellent flow capacity and consistence of good performance
- Production in advanced clean room and washed by purity water to ensure consistence of good performance

Specification

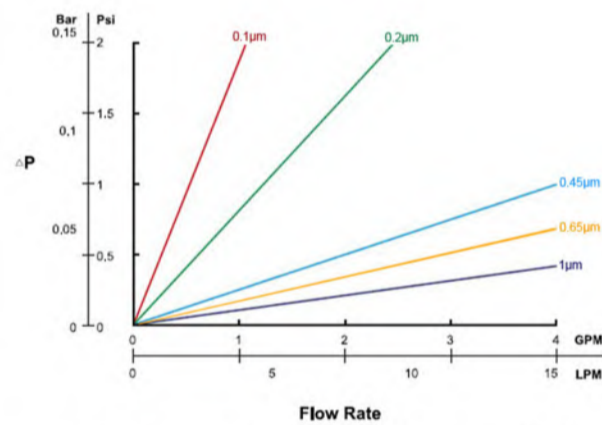
Filter Media	Hydrophilic PVDF Membrane
Length	5", 9.75", 9.8", 10", 20", 30", 40"
Outside Diameter	2.75" (70mm)
Filtration Rating	0.1 μ m, 0.22 μ m, 0.45 μ m, 0.65 μ m, 1 μ m
Core	Polypropylene
Support/Drainage	Polypropylene
Gasket/O-ring	Silicone, EPDM, Viton, NBR, Teflon encapsulated Viton
End Cap/Cage	Polypropylene
End Cap Type	DOE, 222/Flat, 222/Fin, 226/Flat, 226/Fin, 215/Flat, 215/Fin

Application

- Inks
- Solvents
- Cosmetics
- Chemicals
- Bottled Water
- Semiconductor
- RO/DI Process
- Food & Beverage
- Medicine Filtration

Operation Data

Max. Operating Temperature	100°C (212°F)
Max. Differential Pressure	4.8 bar at 20°C (70 psi at 68°F) 2.1 bar at 100°C (30 psi at 212°F)
Maximum reverse pressure	40 psid @ 70°F (2.8 bar @ 21°C)
Recommend Change out Differential Pressure	2.4 bar (35 psid)
Sterilization Temperature Time	121°C (250°F) for 30 minutes at 1.0 bar (14 psi), multiple cycles



Flow Rate vs Pressure Drop for Per 10'' Filter

End Cap Type



Order Information

PVF	Length	Micron Rating	End Cap	Gasket/O-ring
PVF Series Hydrophilic PVDF Membrane Pleated Filters	5 = 5"	0.1 = 0.1 μ m	A = Double Open End (DOE)	S = Silicone
	9.75 = 9.75"		B = 222/Flat (SOE)	
	9.8 = 9.8"	0.22 = 0.22 μ m	C = 222/Fin (SOE)	E = EPDM
	10 = 10"	0.45 = 0.45 μ m	D = 226/Flat (SOE)	N = NBR
	20 = 20"	0.65 = 0.65 μ m	F = 226/Fin (SOE)	V = Viton
	30 = 30"		G = 215/Flat (SOE)	
	40 = 40"	1 = 1 μ m	H = 215/Fin (SOE)	T = Teflon Encapsulated Viton

For Example:

PVF-20-0.1-H-E

PVF Series Hydrophilic PVDF Membrane Pleated Filters - 20" - 0.1 μ m - 215/Fin(SOE) - EPDM

Customized Sizes of Hydrophilic PVDF Membrane Pleated Filter Cartridges can be accepted

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