

MemAFPure PFA Pleated Filter Cartridge



>> All Fluorine Cartridge With Strong Chemical Compatibility

Suitable for highly corrosive, high-temperature filtration environment.

Description

MemAFPure series perfluorinated filter cartridge is composed of high-porosity PTFE membrane and high-purity PFA plastic parts, which has excellent resistance and stability in highly corrosive acid, alkali and organic solvent environments. Through post-treatment and 18.2 MΩ.cm UPW flush, it can achieve a stable high cleanliness level and ensure the stability of filtration, which is the most cost-effective product for high-purity electronic chemical reagent filtration in the semiconductor industry.

Features

- Broad chemical compatibility
- High flow rate with high porosity and extremely long service life
- Provide high efficiency
- Offered in multiple sizes
- High cleanliness material configuration, best cost performance



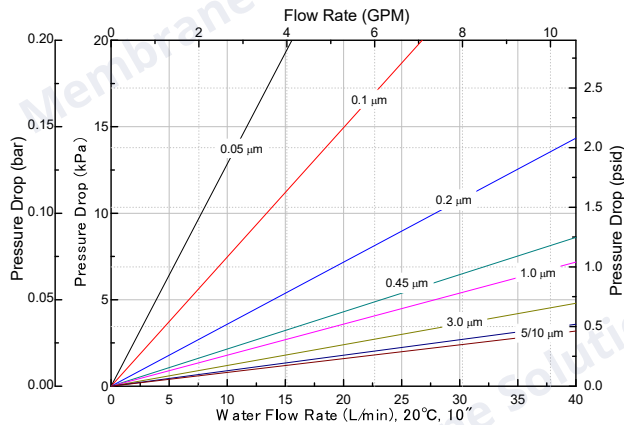
Specifications

Materials of Construction	Filter Membrane	Hydrophobic / Surface-Modified PTFE				
	Supports	PFA				
	Cage/Core/End Caps	PFA				
Removal Rating	0.05 μm, 0.1 μm, 0.2 μm, 0.45 μm, 1.0 μm, 5.0 μm, 10 μm					
Filter Dimension	Length	Refer to the Order Information				
	Membrane Surface Area	AE Series	Φ68	Standard: 0.7m ²	H: 0.91m ²	
			Φ83	Standard: 1.3m ²		
		AC Series	Φ68	Standard: 0.7m ²	H: 0.91m ²	X: 1.2m ²
Φ83	Standard: 1.3m ²		H: 1.8m ²			
Operating Conditions	Maximum Forward Differential Pressure	0.43 MPa @ 25 °C; 0.05 MPa @ 170 °C				
	Maximum Reverse Pressure	0.3 MPa @ 25 °C				
Cleanliness*	Metallic Extractable Level	U: <50 μg / 10" device		R: <25 μg / 10" device		
Package	Pre-wetted Packaging Can be Provided					

*Generally for ACG type, and for the AE type's cleanliness level and the details of the date, please contact MS.

Flow Characteristics

Φ68 Standard Type(222/Flat)

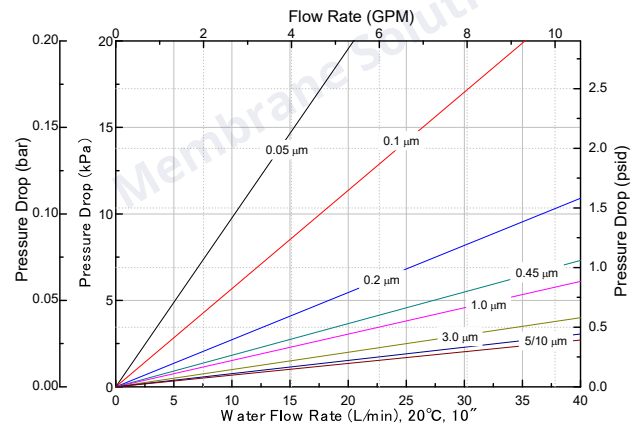


(Water/1cP fluid)

Typical flowrates. For liquids with viscosity differing from water, multiply the pressure drop by the viscosity in centipoise.

Unit conversion: 1 bar=100 kPa=14.5 psi

Φ68 H Type(222/Flat)



(Water/1cP fluid)

Typical flowrates. For liquids with viscosity differing from water, multiply the pressure drop by the viscosity in centipoise.

Unit conversion: 1 bar=100 kPa=14.5 psi

Ordering Information

Series	Length	Pore Size	Area	Adaptor	Sealing	Cleanliness	Package
CRACG = PTFE	004 = 4"	005 = 0.05 μm	Blank = Standard	0 = DOE	PT = PTFE (only for DOE)	E = Electronic Grade	Blank = Dry
(Hydrophobic PTFE)	005 = 5"	010 = 0.1 μm	H = High Area	2 = 222/Flat	PV =	U = High Cleanliness	W = Pre-wetted
CRAEG = PTFE	010 = 10"	020 = 0.2 μm	X = Higher Area	3 = 222/Fin	Teflon Encapsulated FKM	R = Higher Cleanliness	with DI Water
(Hydrophobic PTFE)	020 = 20"	045 = 0.45 μm		6 = 226/Fin	PS =		
CRACN =	030 = 30"	100 = 1.0 μm		7 = 226/Flat	Teflon Encapsulated Silicone		
(Non-dewetting PTFE)	040 = 40"	500 = 5.0 μm					
	C04 = 4" @ Φ83	H10 = 10.0 μm					
	C10 = 10" @ Φ83						
	C20 = 20" @ Φ83						

*For the filter of other type and more details, please contact MS.



Phone: 1-866-528-4572
Email: info@membrane-solutions.com
Address: 4530 B STREET NW #A, AUBURN WA 98001, USA



China

Phone: 400-821-1812
Email: info@membrane-solutions.com
Address: 2202, No.1759 North Zhongshan Road, Shanghai 200061