

CFP series PVDF membrane

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Hydrophilic PVDF Pleated Filter Cartridges

CFP series PVDF filter cartridges are constructed of hydrophilic PVDF membrane and Polypropylene hardware. The single open ended (SOE) configuration is designed to fit into sanitary housings to ensure effective microbial removal and assembly integrity. Due to the low absorption of the protein, it is especially suitable for the filtration of culture medium, biological agents, vaccines.



Features

- Very low protein adsorption and precipitation
- Easy to wet and integrity test
- High flow rate and longer service life
- 100% integrity tested during manufacture

Applications

- Filtration in the food and beverage industry
- Retention of particles and micro-organisms
- Protein purification
- Cell culture clarification
- Blood filtration

Dimension

OD	69mm
Length	5" , 10" , 20" , 30" , 40"

Pore Size

0.22µm 0.45µm 0.65µm

Material of Constructions

Media:	PVDF
Support:	PP
Core/Cage:	PP
End Cap	PSU insert/SS insert
Sealing:	Silicone, EPDM, FKM

Quality

- Filter Cartridges are manufactured in a clean room environment
- Manufactured according to ISO9001:2015 certified
- Quality Management System
- Materials used to produce filter media and hardware meet the specifications for biological safety per USP Class VI-121°C for plastics.
- 100% Integrity Tested

Performance

Operating Conditions

Max Operating Temperature	80 °C
Max. Operating DP	4.0 bar @ 20 °C
	2.4 bar @ 80 °C

Sterilization	125 °C /30 min, 30 cycles
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Bacterial Retention

0.22µm	LRV ≥ 7
	Pseudomonas diminuta

0.45µm

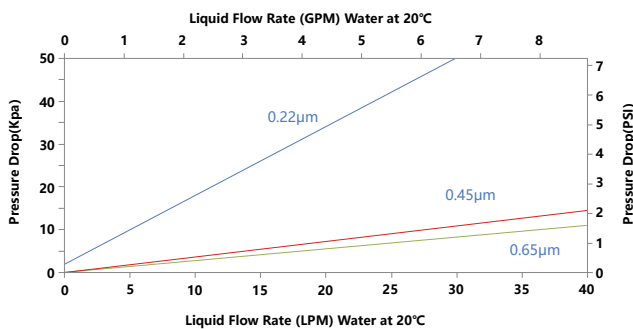
Filtration Area

Ø 69mm	0.65 m ² / 10"
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Extractables

10" Filter Cartridges	< 20 mg
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PVA Flow Rate per 10"



Integrity Test Parameters

Removal Rating	Bubble Point(BP)	Diffusion Flow(DF)
0.22µm	3.45Bar	25ml/min@2.76Bar
0.45µm	2.1Bar	25ml/min@1.70Bar
0.65µm	0.97Bar	5ml/min@0.62Bar

Eg. => CFPPV0022G050ADOPSS0

ORDERING INFORMATION

Product Type	Membrane Type	Membrane pore size	Application	Size	Diameter	Endcap	Inner Core	Sealing Material	Connection Support	Revision
CFP = Pleated Cartridge	VH=PVDF philiic	0022=0.22µm	G = Gen Purpose	05 = 5"	0A = OD:69 mm	D0 = DOE	P = Polypro	S = Silicone	S= Standard	0 = Rev.0
		0045 = 0.45µm	S = Ster Grade	10 = 10"		E2 = 213/Flat	U = SUS Steel	E =EPDM	Y= SS reinforcement(Endcap Do, E2, K1, excluded	
		0065 = 0.65µm		20 = 20"		H1 = 222/Fin		B = NBR	P=PSU reinforcement(Endcap G1, G2, ONLY	
				30 = 30"		H2 = 222/Flat		V = Viton		
				40=40"		H5 = 222/Spear Fin		F =E-FKM		
						K1 = 222 Ext/Fin				
						K2 = 222 Ext/Flat				
						G1 =226/Fin				
						G2 = 226/Flat				
						G5 = 226/Spear Fin				