

# CFP series Hydrophobic PTFE membrane

## Sterilizing grade Hydrophobic PTFE Pleated Filter Cartridges

CFP series Sterilizing grade Hydrophobic PTFE Pleated Filter Cartridges are made of hydrophobic PTFE membrane and inherently hydrophobic PTFE membrane ensuring the sterilizing performance in different humidity environments. The PP components offer superior oxidation resistance. The reinforced core makes the filter cartridges have higher pressure resistance to withstand, The in-line steam sterilization and autoclave, it is suitable for fermentation, pharmaceutical, and other biotechnology applications.



### Features

- Inherently hydrophobic PTFE membranes
- Oxidation resistant hardware
- High-flow and low pressure drop
- Enhanced steaming resistance
- 100% Integrity tested

### Applications

- Corrosive gas sterile filtration
- Compressed air and nitrogen gas solution
- Aseptic packaging
- Fermenter inlet air and exhaust venting, sterile process air and sterile venting of tanks

### Dimension

Out Diameter	69 mm ( 2.72" )
Length	5", 10", 20", 30", 40"

### Integrity Test Parameters

- |                         |  |
|-------------------------|--|
| • Bubble Point (BP)     | $\geq 1.1$ bar @ IPA : Water 60 : 40   |
| • Diffusion Flow (DF)   | CFPPT0020Y $\leq 16$ ml / min @ 1035 mbar<br>CFPPT0020S $\leq 24$ ml / min @ 1035 mbar     |
| • Water Intrusion (WIT) | CFPPT0020Y $\leq 0.38$ ml / min @ 2500 mbar<br>CFPPT0020S $\leq 0.75$ ml / min @ 2500 mbar |

## Material of Constructions

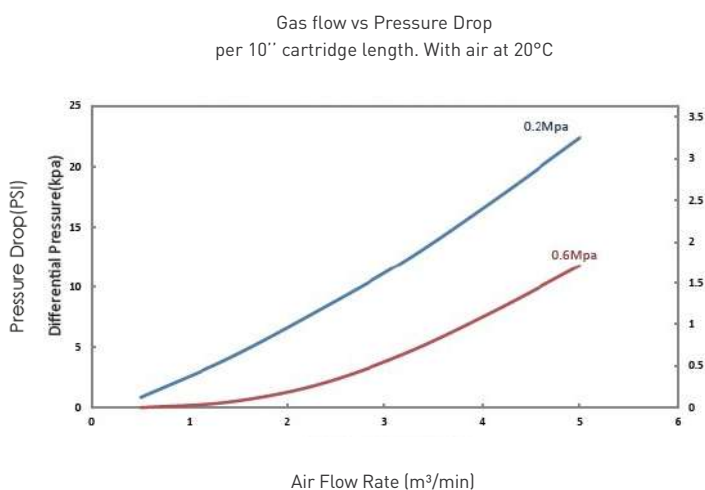
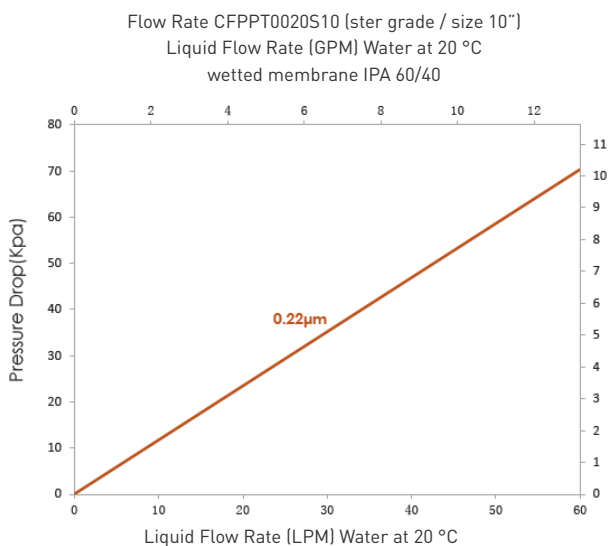
- Membranes: Inherently hydrophobic PTFE
- Support/Drainage: Oxidation resistant PP
- Cage/ Core/ Endcap: Oxidation resistant PP
- O-ring: Please refer to ordering information

## Performance

- Maximum operating temperature: 80 °C
- Maximum differential pressure: 2.4 bar @ 80 °C
- 5.2 bar @ 20 °C

## Sterilization

- Inline Steam Sterilization: 135 °C / 30 min, 150 cycles
- Maximum Forward Steam Sterilization: 1 bar @ 125 °C  
0.3 bar @ 142 °C
- Maximum Reverse Steam Sterilization: 0.5 bar @ 125 °C  
0.2 bar @ 142 °C



## Quality

- Filter cartridges are manufactured in a clean room environment
- Manufactured according to ISO9001:2015 certified Quality Management System
- Material of construction comply with FDA regulations for food and beverage contact use as detailed in the US Code of Federal Regulations 21 CFR
- 100% integrity tested
- Each individual element is tracked by serial number

Eg.=>CFPPT0020S050AH1PSY0

ORDERING INFORMATION										
Product Type	Membrane Type	Membrane pore size	Application	Size	Diameter	Endcap	Inner Core	Sealing Material	Connection Support	Revision
CFP = Pleated Cartridge	PT = PTFE phobic	0020 = 0.2µm	S = Ster Grade Y = P Ster Gr	05 = 5"	0A = OD:69 mm	H1 = 222/Fin	P = Polypro	S = Silicone	Y = SS reinforced	0 = Rev.0
				10 = 10"		H2 = 222/Flat	U = SUS Steel			
				20 = 20"		G1 = 226/Fin	V = Viton	P = PSU reinforced (Endcap: G1,G2, only)		
				30 = 30"		G2 = 226/Flat				
				40 = 40"						