

## EPT Series

# Hydrophobic PTFE Membrane Pleated Filters

### Description

EPT Series Hydrophobic PTFE Membrane Pleated Cartridges are constructed with high-quality naturally hydrophobic PTFE membrane as well as polypropylene support layers and components. PTFE membrane pleated filters provide better hydrophobicity compared to polypropylene pleated filters commonly used in compressed air filtration, making them ideally suited for gas/vent applications. PTFE membrane cartridge has wide chemical compatibility and excellent temperature endurance, thus being good filtering for less aggressive processes and high cleanliness applications.



### Features

- 100% integrity tested in production with full traceability of materials
- PTFE pleated cartridges are manufactured, flushed, tested and packaged in clean rooms
- PTFE membrane cartridges provide better hydrophobicity and ideally suited for gas/vent applications
- Materials of PTFE membrane pleated cartridges constructed with FDA regulations for food and beverage
- PTFE pleated cartridges have consistent filtration efficiency and high flow rate because of wide chemical compatibility

### Specification

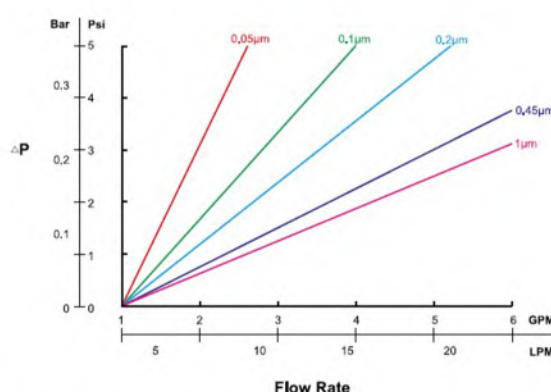
<b>Filter Media</b>	Hydrophilic PTFE
<b>Length</b>	5", 10", 20", 30", 40"
<b>Outside Diameter</b>	2.75" (70mm)
<b>Filtration Rating</b>	0.05µm, 0.1µm, 0.2µm, 0.45µm, 1µm
<b>Core</b>	Polypropylene/SUS316
<b>Filter Support</b>	Polypropylene
<b>Gasket/O-ring</b>	Silicone, EPDM, Viton, NBR, Teflon encapsulated Viton
<b>End Cap/Cage</b>	Polypropylene
<b>End Cap Type</b>	DOE, 222/Flat, 222/Fin, 226/Flat, 226/Fin, 215/Flat, 215/Fin

### Application

- Solvents
- Tank Vents
- Hot DI Water
- Process Venting
- Strong Acids/Bases
- Aggressive Chemicals
- Fermentation Feed Air
- Compressed Air & Gases
- Pharmaceutical Intermediates

### Operation Data

<b>Max. Operating Temperature</b>	90°C (194°F)
<b>Max. Differential Pressure</b>	4.8 bar at 20°C (70 psi at 68°F)
	2.1 bar at 90°C (30 psi at 194°F)
<b>Recommend Change out Differential Pressure</b>	2.4 bar (35 psid)
<b>Sterilization Temperature Time</b>	121°C (250°F) for 30 minutes at 1.0 bar (14 psi), multiple cycles



Flow Rate vs Pressure Drop for Per 10'' Pleated Filter

### End Cap Type



### Order Information

EPT	Length	Micron Rating	End Cap	Gasket/O-ring
EPT Series Hydrophobic PTFE Membrane Pleated Filters	5 = 5"	0.05 = 0.05µm	A = Double Open End (DOE)	S = Silicone
	10 = 10"	0.1 = 0.1µm	B = 222/Flat (SOE)	E = EPDM
			C = 222/Fin (SOE)	
	20 = 20"	0.22 = 0.22µm	D = 226/Flat (SOE)	N = NBR
			F = 226/Fin (SOE)	
	30 = 30"	0.45 = 0.45µm	G = 215/Flat (SOE)	V = Viton
40 = 40"	1 = 1µm	H = 215/Fin (SOE)	T = Teflon Encapsulated Viton	

For Example:

EPT-20-1-B-V

EPT Series Hydrophobic PTFE Membrane Pleated Cartridges - 20" - 1µm - 222/Flat (SOE) - Viton O-rings

Customized Sizes of Hydrophobic PTFE Membrane Pleated Filters can be accepted

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