



# HPT Series

## Hydrophilic PTFE Membrane Pleated Filters

### Description

HPT Series Hydrophilic PTFE Membrane Pleated Filters are composed of high-class absolute rated hydrophilic PTFE membrane and superior polypropylene components. Besides providing high porosity and permeability, PTFE membrane filter provide high dirt holding capacity to minimize change-outs, high flow rate, long service life and low pressure drop.

The construction of PTFE pleated cartridges are all thermal bonded to make sure no adhesives and their wide chemical compatibility allows them to be available in all common configurations and existing filter housings. Each PTFE pleated cartridge is pre-flushed with ultra-pure water and was 100% integrity tested before final assembly.



### Features

- Stabilized hydrophilia, high filtration efficiency
- PTFE pleated filters have long service life, low pressure & thermostability
- Fully integrity testable by bubble point or diffusion flow test, all materials comply with FDA
- PTFE membrane filter cartridges are heat-resisting and have consistent excellent performance
- PTFE membrane pleated filters have high dirt holding capacity and are made to minimize change-outs

### Specification

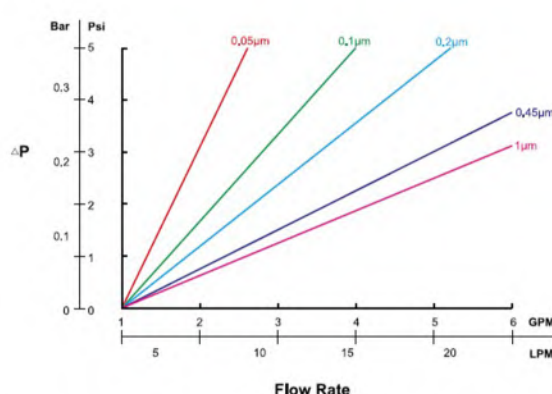
<b>Filter Media</b>	Hydrophilic PTFE
<b>Length</b>	5", 10", 20", 30", 40"
<b>Outside Diameter</b>	2.75" (70mm)
<b>Filtration Rating</b>	0.05µm, 0.1µm, 0.2µm, 0.45µm, 1µm
<b>Core</b>	Polypropylene/SUS316
<b>Filter Support</b>	Polypropylene
<b>Gasket/O-ring</b>	Silicone, EPDM, Viton, NBR, Teflon encapsulated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

- Etchants
- Photoresists
- Final Filtration
- Semiconductor
- Pharmaceuticals
- Food & Beverage
- Chemicals Industry
- RO/DI Pre-filtration
- Storage Tank Vents

### 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

HPT	Length	Micron Rating	End Cap	Gasket/O-ring
HPT Series Hydrophilic 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
			H = 215/Fin (SOE)	
	40 = 40"	1 = 1µm		T = Teflon Encapsulated Viton

For Example:

HPT-10-0.22-A-E

HPT Series Hydrophilic PTFE Membrane Pleated Filters - 10" - 0.22µm - DOE - EPDM

Customized Sizes of Hydrophilic PTFE Membrane Pleated Filters can be accepted

