

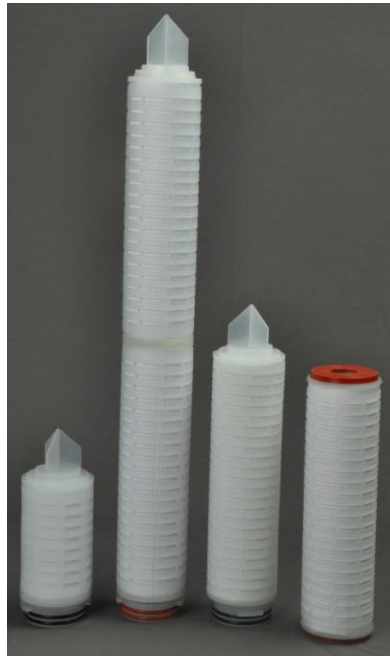


**SS FILTERS PVT. LTD.**

AN ISO 9001:2008 COMPANY

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## **PTFE MEMBRANE PLEATED FILTER CARTRIDGE**



PTFE Absolute rated membrane cartridges are highly retentive hydrophobic or hydrophilic membrane filters that have been specially designed for critical applications. The PTFE membrane Cartridge in an all-propylene construction provides excellent chemical compatibility and superior flow per surface area as compared to other membrane cartridges.

PTFE cartridge is ideally suited for aggressive chemicals such as acids, bases & solvents. It gives superior flow & pressure drop characteristics for gas filtration & tank venting applications. Are 100 % integrity tested with good particle removal efficiency at 0.1 & 0.2 microns.

### **FEATURES & BENEFITS:**

- Hydrophobic PTFE membrane, prevents moisture in venting and wet air filtration.
- PTFE cartridge has excellent chemical resistance and maximum chemical compatibility.
- Higher flow rates with lesser pressure drop
- Free from binders since end caps are thermally sealed.
- Absolute rated
- Steam Sterilizable

## PRODUCT SPECIFICATIONS

Micro rating	0.1, 0.2, 0.45, 1 micron
Length	10" , 20" , 30" , 40"
Inner Dia	Approx. 28 mm
Outer dia	Approx. 65-69 mm
Effective Surface area	7.5 Sq ft. (0.65 msq) per 10" cartridge element
Max operating temp	95° C (176° F)
<b>Sterilization</b> Autoclave Hot water	121°C,30 min, approx 100 times 80°C, 30 min, approx 200 times
Max operating Pressure	Pressure5.5 bar (75psid) @21°C

## CONSTRUCTION:

- Filter media: 100% PTFE membrane
- Support media: Polypropylene fiber
- MOC: Polypropylene
- ‘O’ Ring/ Gaskets: Silicone/ EPDM/ Viton

## CONFIGURATION:

- Double open end type (DOE Type)
- Code 7S (226 ‘O’ Ring design/ Bayonet or fin)
- Code 3S (222 ‘O’ Ring design/ Bayonet or fin)

## APPLICATIONS:

- Pharmaceutical industry
- Vent filtration
- Sterilisation of inlet and exhaust flow
- Nitrogen gas filtration
- Strong acids and base filtration
- Sterile filtration of compressed air
- Electronic industry
- Cleaning & manufacturing process of semiconductor
- Cleaning & manufacturing process in LCD factory

## QS AIR & WATER FLOW RATES

