

**Specification Sheet****NYLON MEMBRANE PLEATED FILTER CARTRIDGE**

Nylon absolute rated membrane filter cartridges are highly retentive hydrophilic membrane filters that have been specially designed for critical applications. The all-propylene construction provides excellent chemical compatibility and superior flow per surface area as compared to other membrane cartridges. Inherent hydrophilic Nylon membranes require no pre-wetting and are conveniently ready to use with broad chemical compatibility and excellent temperature endurance. **SS Filters** Nylon membrane cartridges are ideal option to satisfy various chemical filtrations as end point filtration.

No adhesives, binders or surfactants are used in the manufacturing process. The cartridges are 100% integrity tested to ensure filter performance. Nylon filter cartridges are well suited for critical flow applications where superior flow & particle removal efficiency is required. They are good economical sterilizing filters.

**FEATURES & BENEFITS**

- Hydrophilic absolute rated membrane
- No adhesive, binders or Surfactants used
- No pre wetting required.
- High flow rate & low pressure drop
- Wide chemical compatibility.
- Quick venting
- Integrity testable
- Low extractables

## **PRODUCT SPECIFICATIONS**

Micron Rating	0.1, 0.2 ,0.45 ,0.65, 1 $\mu$
Length	5", 10" , 20" , 30" , 40"
Inner Dia	Approx 28 mm
Outer Dia	Approx 65 – 69 mm
Effective surface area per 10" element	7.5 sq. feet (0.65 msq.)
Max operating temperature	80°C
<b>Sterilization</b>	
Autoclave	121°C, 30 min, 10 times
Hot water	80°C, 30 min, 30 times
Max differential pressure	5.5 bar (80 psi)@ 21°C

## **CONSTRUCTION:**

- Filter media: 100% Nylon
- Support media: Polypropylene
- 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:**

- Process water
- Beverages
- Alcoholic fluids like beer & wine
- Aqueous fluids like ingredient solutions
- Solvents & fine chemicals
- Pharmaceuticals.
- Electronics
- Inks
- Cosmetics
- Food industry