

## QualPure PS Pleated Cartridge Filter

### Description

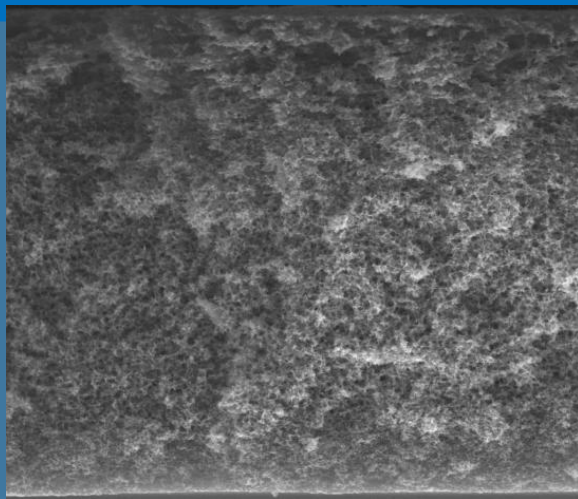
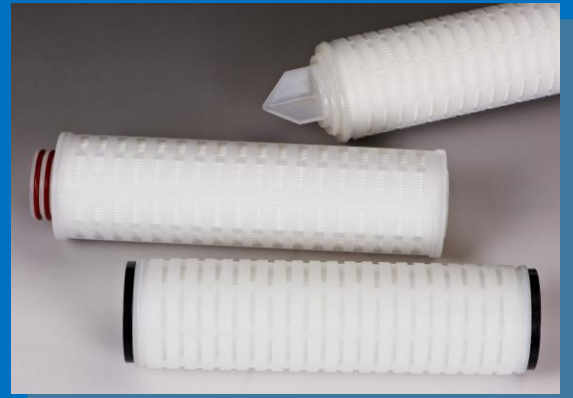
MS<sup>®</sup> QualPure PS Pleated Cartridge Filter is a high-flow and longer-lifetime filter due to using the highly asymmetric hydrophilic Polysulfone membrane.

The filter can resist most acids and bases, pH 1-14 at ambient temperature due to the Polysulfone membrane and all Polypropylene structures.

Hydrophilic PS membrane eliminates pre-wetting treatment, reduces filter change-out time and increases equipment uptime.

The asymmetric PS structure provides longer lifetime and high flow rate.

A variety of retention ratings are available to suit specific application.



WD 9.8 mm Mag 1000x HV 15.0 kV VacMode High vacuum

50.0µm

### Application

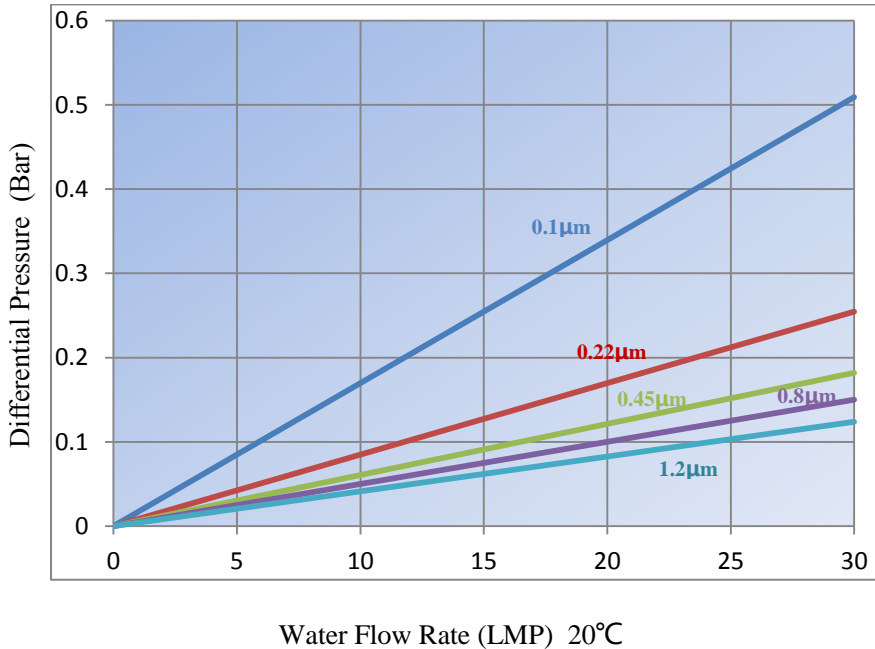
- Pre and post filter for DI water
- POU filter for DI water
- Filter for Weak acids and bases

Membrane Solutions, LLC;

Address: 1108 Spring View lane Plano, TX 75075 Toll Free: 866-528-4572 Fax: 732-412-4040

[www.membrane-solutions.com](http://www.membrane-solutions.com)

## Pressure and Flow Rate



Unit conversion : 1bar=100KPa

Flow rate is for a 25.4cm ( 10inch ) cartridge.  
For liquids other than water, multiply differential pressure by fluid viscosity.

## Specification

### Materials of Construction:

- Filter Medium: Highly Asymmetric Polysulfone membrane
- Inner support core: Polypropylene
- Outer protection cage: Polypropylene
- End caps: Polypropylene

### Dimensions:

- Outside Diameter: 2-11/16in (68 mm)
- Inside Diameter: 1-1/4 in (33 mm)
- Nominal Length: 10in (254mm), 20in (508mm), 30in (762mm), 40in (1016mm)

### Recommended Operating Conditions:

- Maximum Temperature: 80°C ≤ 2.4Bar (35psid);
- Maximum Pressure: 5.5bar (80psi) @ 21 °C  
3.4bar (50psi) @ 66 °C

### Micron Ratings:

- 0.1,0.22,0.45, 0.8,1.2

### Filtration Efficiency: ≥99.99%

### Seal Materials:

- Gasket: Silicon/Viton/NBR/EPDM
- O-Rings: Silicon/Viton/NBR/EPDM
- Construction Method: Thermal bond (No adhesives)

### Effective Filtration Area:

- 7.32ft<sup>2</sup> /10 inch length (0.68 m<sup>2</sup> /254mm)

### Steam sterilization: 121 °C / 30 min

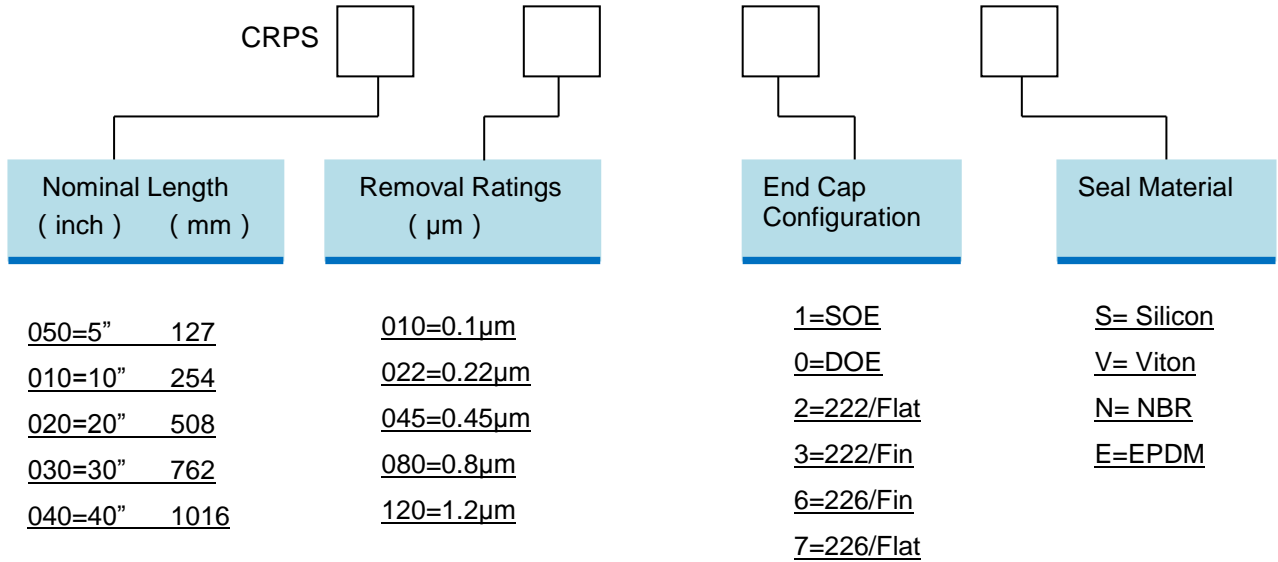
Membrane Solutions, LLC;

Address: 1108 Spring View lane Plano, TX 75075 Toll Free: 866-528-4572 Fax: 732-412-4040

www.membrane-solutions.com

# Membrane Solutions

## Ordering Information



Membrane Solutions, LLC;

Address: 1108 Spring View lane Plano, TX 75075 Toll Free: 866-528-4572 Fax: 732-412-4040

[www.membrane-solutions.com](http://www.membrane-solutions.com)