

PP Pleated Cartridge filter

Description

MS[®] PP pleated cartridge filter is constructed of micro polypropylene media and nonwoven or silk net support. It uses fibers of varying diameters to produce a pore size distribution from coarse (upstream) to fine (downstream) and is all polypropylene for compatibility with a wide range of fluids. The filters have more open area and pores than filters of similar appearance. Adaptors are thermal welded with cartridges without using any glue on it. So there will be no any possibilities to cause the second pollution.



Benefits

- Excellent chemical compatibility, suitable for filtering organic solvents acid bases
- Pleated design increased the filtration area
- Low pressure drop, long service life
- Full range of removal ratings
- extremely high flow rates
- designed, developed and manufactured in accordance with a ISO 9001 certified Quality Management System.

Application

MS[®] PP pleated cartridge filter elements ensure the selective, effective and defined particle retention. It is a valuable protection for the final filter. The all polypropylene construction offers a broad chemical compatibility.

- Pharmaceuticals
- Food and Beverage
- Chemical industry
- Oil industry
- Semiconductor

Performance Specifications

Materials

Filter Material: Multiple Polypropylene layers

Support Fleece: Polypropylene

Core: Polypropylene

End Caps: Polypropylene

O-Rings: Silicone (optional EPDM or Viton)

Retention Rates

0.22 μ m, 0.45 μ m, 1 μ m, 3 μ m, 5 μ m, 10 μ m, 20 μ m, 50 μ m

Available Sizes | Filtration Area

Cartridges

10"	0.6 m ² 6 ft ²
20"	1.2 m ² 12 ft ²
30"	1.8 m ² 18 ft ²
40"	2.4 m ² 24 ft ²

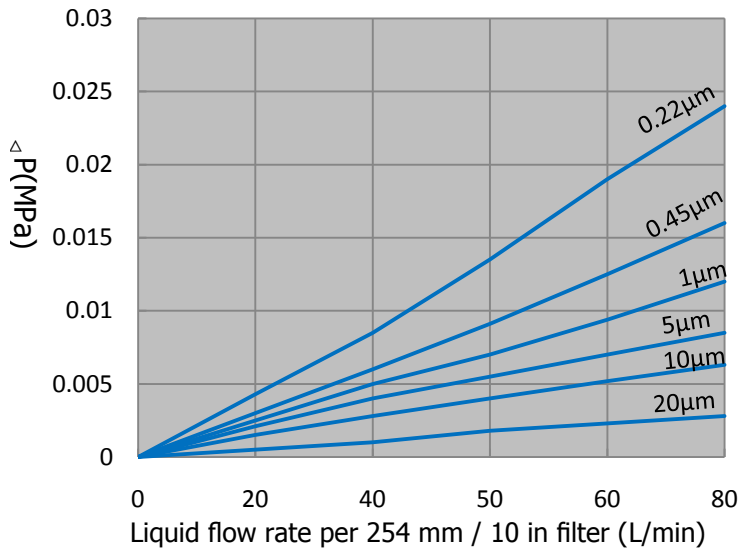
Operating Parameters

Max. Allowable Differential Pressure:	5 bar 75 psi at 20°C 2 bar 29 psi at 80°C
Max. Allowable Back Pressure:	2 bar 29 psi at 20°C

Length

5", 10", 20", 30", 40"

Pressure Drop vs. Liquid 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 (cP)

Cartridge Ordering Information

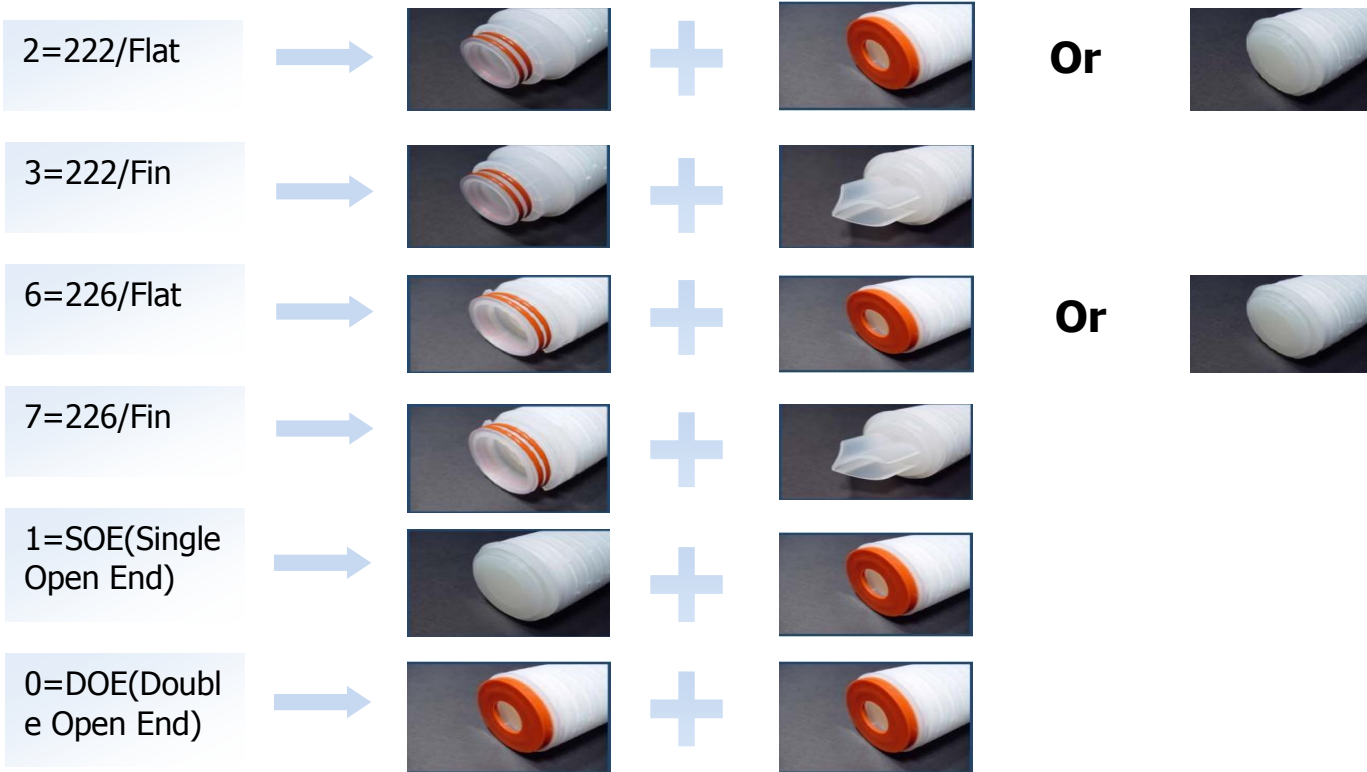
Filter Media	Length (inches)	Micron Ratings	End Cap Type	Seal Material
PP=Polypropylene	10=10"	022=0.22 μ m	2=222/Flat	S=Silicone
	20=20"	045=0.45 μ m	3=222/Fin	E=EPDM
	30=30"	100=1 μ m	7=226/Flat	F=Viton
	40=40"	500=5 μ m	6=226/Fin	B=NBR
	50=50"	1000=10 μ m	1=SOE	T=Teflon
	60=60"	2000=20 μ m	0=DOE	
	70=70"			

For Example:

CRPP0100223S

PP plated cartridge filter, 10"length, 0.22µm, 222/Fin end cap type, silicone seal material

Connect Type



www.membrane-solutions.com

USA
Toll free : 866-528-4572
Fax : 732-412-4040
Address : 1108 Spring View Lane Plano TX. 75075

China
Toll free : 866-528-4572
Fax : 0086-21-51687551
Address: 2202.NO.1759 North Zhong Shan. Shanghai