Membrane Solutions

String Wound Cartridge filter

Benefits

AquaPure：

- A broad range of media and center core options provide excellent compatibility with a variety of fluids.
- Removal ratings from 1 to 30μm
- High efficiency but low in price for equipment installation cost saving
- Fits into most standard housings

PolyPure:

- Graded pore structure for efficient removal of a wide range of particle sizes
- Cost saving from long service filter life
- Wide chemical compatibility
- High contaminant –holding capacity
- Various cartridge sealing options
- Diverse range of removal ratings

Description

MS ® string wound cartridge filter is a kind of deep filter cartridge, which is made of the textile fabric string (polypropylene, absorbent cotton and so on) preciously winding onto the multi-hole axies according to the specific technology. We have two series named AquaPure and PolyPure. Therein PolyPure structured loose outer layers and tight inner layers which can offer true depth filtration for high dirt holding capacity and extremely low media migration to ensure temperature and chemical compatibility.

The double O-ring sealing system ensures positive sealing of the filter cartridge within the housing and virtually eliminates and potential for bypass. The all polypropylene construction provides excellent chemical compatibility in a wide variety of process streams.

Application

AquaPure：

- Prefilter for RO system
- Potable Liquids
- Organic Acids & Solvents

PolyPure:

- Animal & Vegetable Oils
- Petroleum Oil and Lubes
- Paints and Coatings
- Aqueous Solutions
- Chemical products
- Semiconductor

Membrane Solutions

Performance Specifications

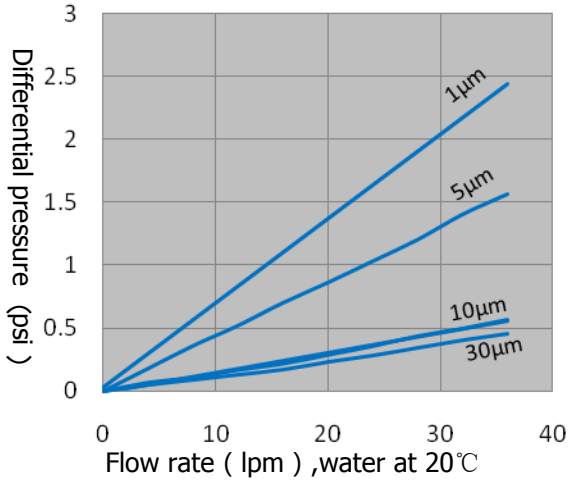
- Outside diameter: 63mm, 115mm
- Inner diameter: 28mm, 30mm
- Length: 10inch, 20inch, 30inch, 40inch
- Micro Rating:

  AquaPure: 1μm, 5μm, 10μm, 20μm, 30μm
  PolyPure: 1μm, 5μm, 10μm
- Polypropylene material for non-organic solvent, maximum recommended operating temperature≦60℃
- Bleached cotton material filter cartridge with stainless core apply to organic solvent, water, oil, alkalinity solvent, beverage, pharmaceuticals
- Maximum recommended operating temperature: 120℃

Materials of construction

Filter Media	FDA Polypropylene, Industrial Polypropylene, FDA Cotton, Industrial Cotton
Center Cores	Polypropylene, Tinned Steel, 304 Stainless Steel, 316 Stainless Steel
Extended Core Option	Polypropylene extended cores available for quick and easy cartridge change-out.
End Treatment Option	Various end treatments and 0-ring sealing options are available to fit standard commercial filter housings.

Typical Flow vs. Differential Pressure for Application Sizing



Flow rate is for 25.4 (10 in) element. For Liquids other than water, multiply differential pressure by fluid viscosity (cP).

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

Membrane Solutions

Cartridge Ordering Information

Filter Media	Length (inches)	Micron Ratings	Core
PP=Polypropylene CT= Cotton	10=10” 20=20” 30=30” 40=40” 50=50”	050=0.5µm 100=1µm 500=5µm 1000=10µm 3000=30µm	P=PP S=Stainless Steel T=Tin

For Example:

CRWPP010005P

PP string wound cartridge filter, 10”length, 0.5µm, PP core