

## String Wound Cartridge filter



### Description

MS<sup>®</sup> 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) precisely winding onto the multi-hole axes 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.

### 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

### 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

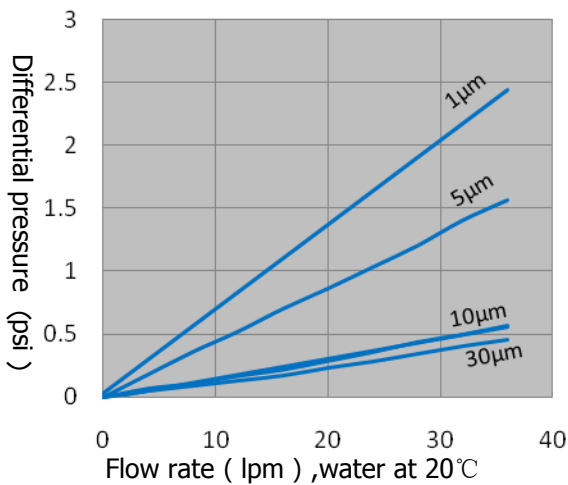
## Performance Specifications

- Outside diameter: 63mm, 115mm
- Inner diameter: 28mm, 30mm
- Length: 10inch, 20inch, 30inch, 40inch
- Micro Rating:  
AquaPure: 1 $\mu$ m, 5 $\mu$ m, 10 $\mu$ m, 20 $\mu$ m, 30 $\mu$ m  
PolyPure: 1 $\mu$ m, 5 $\mu$ m, 10 $\mu$ m
- Polypropylene material for non-organic solvent, maximum recommended operating temperature  $\leq 60^{\circ}\text{C}$
- Bleached cotton material filter cartridge with stainless core apply to organic solvent, water, oil, alkalinity solvent, beverage, pharmaceuticals
- Maximum recommended operating temperature: 120 $^{\circ}\text{C}$

## Materials of construction

<b>Filter Media</b>	FDA Polypropylene, Industrial Polypropylene, FDA Cotton, Industrial Cotton
<b>Center Cores</b>	Polypropylene, Tinned Steel, 304 Stainless Steel, 316 Stainless Steel
<b>Extended Core Option</b>	Polypropylene extended cores available for quick and easy cartridge change-out.
<b>End Treatment Option</b>	Various end treatments and O-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).

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## Cartridge Ordering Information

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

For Example:

CRWPP010005P

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

