

# PP Melt Blown Filter Cartridge

## MicroPure Classic Series

PP melt blown filter cartridge is made of 100% pure PP particles without any adhesive, and is made by fiber hot-melt entanglement. The unique three-layer gradient pore size design forms a three-dimensional slag filtering effect, which has the characteristics of high porosity, high retention efficiency, high dirt holding capacity and low pressure difference. The pure PP structure makes it have extensive chemical compatibility and is suitable for the filtration of strong acid, strong alkali and organic solvents. The advanced fiber hot-melt technology can meet the various needs of customers for this product.

### Technical Parameters

Materials of Construction	Filter Membrane	PP
	Cage/End Cap	PP
	Core	PP
	Connection	DOE/222Flat/222Fin/226Fin/226Flat
	O-rings	S/F/N/E
	Surface Treatment	Flat/Orange/Embossing/Grooved
Filter Dimensions	Outer Diameter	63mm
	Inner Diameter	28mm
	Removal Rating	0.5µm/1µm/5µm/10µm/20µm/30µm/50µm/75µm/100µm
	Length	10"/20"/30"/40"/50"/60"/70"
Operating Conditions	Operating Temperature and pH	<82°C, pH 1-13
	Maximum Differential Pressure (forward)	3.5 bar @ 20°C, 1.0 bar @ 82°C
	Recommended Replacement Differential Pressure	2.4 bar @ 20°C

### Features

- Gradient pore size structure, high dirt holding capacity
- High-purity PP material, extensive chemical resistance
- Uniform void distribution, high filtering effect, large area
- Double the service life and low replacement costs
- Inner ironing treatment and PP core structure to avoid fiber precipitation
- NFS certification

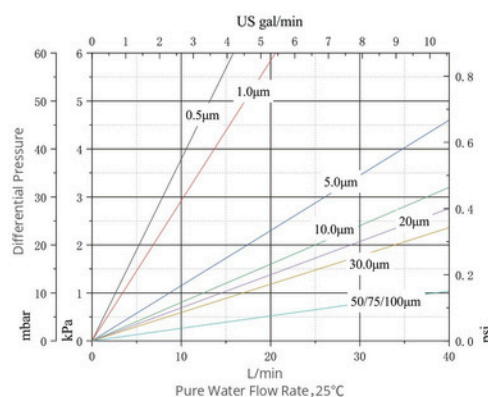
### Ordering Information\*

	Length	Pore Size	Adaptor	Seal Material	Appearance	Core
CRMPP	010=10"	0050=0.5µm	Blank=DOE	Blank=Non	HG=Fluffy Surface (High Dirt Holding)	P=PP
	020=20"	0100=1µm	2=222/Flat	S=Silicone	G=Grooved Surface	Blank=Non
	030=30"	0500=5µm	3=222/Fin	E=EPDM	E=Embossing Surface	
	040=40"	1000=10µm	6=226/Fin	N=Nitrile	O=Orange Surface	
	050=50"	2000=20µm	7=226/Flat	F=FKM	Blank=Conventional Surface	
	060=60"	3000=30µm		GE=PE Gasket		
	070=70"	5000=50µm				
		10000=100µm				

\*This ordering information is a guide for selecting filter element specifications. For other special connections or installation details, please contact MS.



### Typical Liquid Flow Rates



### Typical Applications

- Desalination: RO reverse osmosis prefiltration
- Electronics industry: prefiltration of pure water and ultra-pure water
- Power plant water treatment: filtration of cooling water, boiler brine removal
- Pretreatment of biopharmaceutical, water for injection and other pure water
- Filtration of drinking water: filtration of food, beverages and bottled water
- Pretreatment of oil/gas industry, filtration of oilfield reinjection water