

## PP String Wound Filter Cartridge



### **Description:**

KTMT string wound filter cartridges are manufactured by honeycomb construction, inner layers are tight while outer layers are loose. We use computer modeling process which optimizes the filter cartridges geometrically and maximizes the use of cartridge surface area by the diamond-shaped depth filtration cones. The density design provide high flow rate, low pressure drop and improved dirt holding capacity. Filter materials are PP, Bleached cotton and Glass Fiber etc.

### **Feature:**

1. Good resistance to acid, alkali corrosion.
2. Large surface area enhancing liquid filtering effect.
3. Flexible design and kinds of material
4. Wide application and excellent chemical compatibility for different applications.
5. Honeycomb construction offer high dirt holding capacity, long service life and high flow rate.



**Specification:**

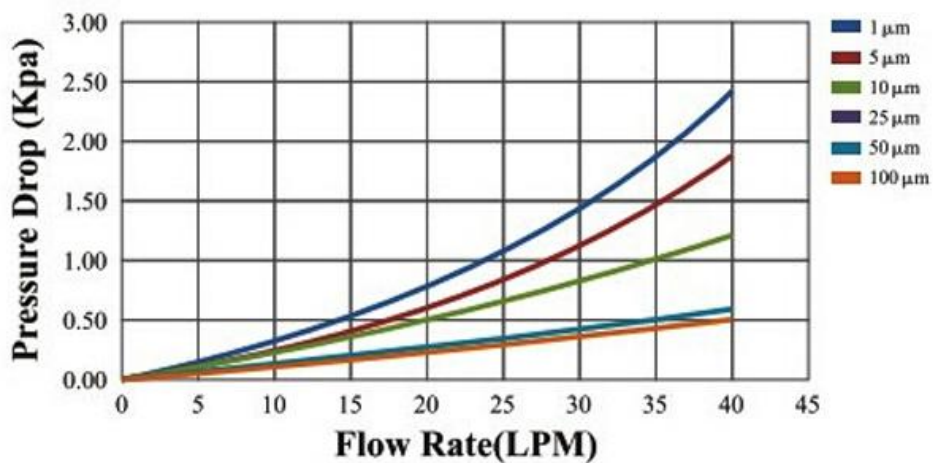
Filter Media	PP, Bleached Cotton, Glass Fiber
Micron Rating	1, 5, 10, 20, 30, 50, 75, 100 μm
Core	Polypropylene, SUS304, SUS316
Inside Diameter	1.1"( 28mm),1.2"(30mm)
Outside Diameter	2.36"(60mm),2.4"(61mm), 2.5"(63mm), 2.55"(65mm)
Length	5",9.75"9.8",10",20",30",40",50"
Gasket/O-ring	Silicone, EPDM, Viton, Teflon encapsulated Viton
End Cap	Flat ,222 O-Ring,226 O-Ring, Fin

**Operating date:**

Different Material	PP	Bleached Cotton	Glass Fiber
Maximum Operating Temperature	60°C(140°F)	150°C(300°F)	400°C(750°F)
Maximum Differential Pressure	2.7 bar at 27 °C (50 psi at 80°F) 1.4 bar at 60 °C(20 psi at 140°F) 0.7 bar at 82 °C(10 psi at 180°F)		
Recommended Change Out Differential Pressure	1 bar (14psi)		

**Pressure-drop rate**

**PP String Wound Filter Pressure Drop vs. Flowrate@ 20°C**



## End Cap types



- Good sealing and durable
- Many kinds of end caps to fit for different housings
- Special specifications end caps can be customized
- Whole 40" & 50" strength central corn, strong ability to work under pressure

## KTMT advantage

- Professional manufacturer
- Good service and fast delivery
- Quality control and high reputation
- Advanced technology

## Application:

- Pre-filtration of drinking water, potable water or table-water.
- Filtration of industry water.
- Pre-filtration of RO, Pre-treatment of sea water desalination
- Condensate water filtration in power generation
- Solvents filtration in BioPharm market
- Paints and coatings, Petrochemical, Refineries
- Pre-filtration of ultrapure water.

Welcome your inquiry and visit our factory!