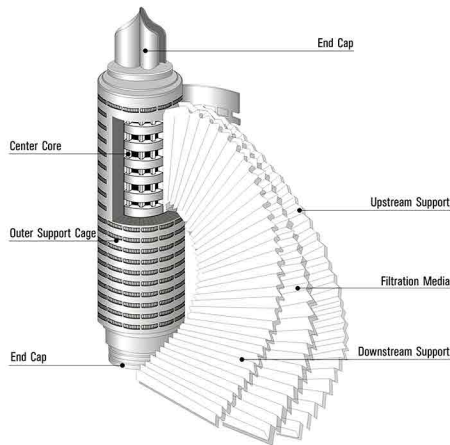


INTRODUCTION

PRODUCT FEATURES

- Tolerant to strong acids, strong alkalis and organic solvents
- High temperature resistance and corrosion resistance
- High strength and toughness, long service life
- High filtration efficiency and high retention rate
- Hydrophobic PTFE filter element is mainly used for gas filtration
- Hydrophilic PTFE filter element is mainly used for liquid filtration

PRODUCT STRUCTURE DIAGRAM



Filtration Media is **100%** made of PTFE ,
All materials comply with **CFR 21** requirements

END CAP DISPLAY

Commonly used interfaces are as follows,
other models are welcome to consult.



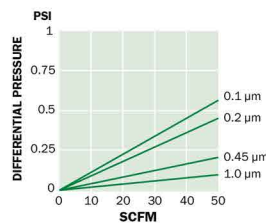
- [Filtration Media]: Hydrophilic PTFE/ Hydrophobic PTFE
- [Support Media]: PP (polypropylene)
- [Outer Support Cage]: PP (polypropylene)
- [Center Core]: Polypropylene/316L stainless steel
- [End Cap]: PP (polypropylene)
- [O-Rings/Gaskets]: Silicone rubber/EPDM rubber/nitrile rubber/fluororubber/teflon rubber
- [Connection process]: Sealed by hot melt welding, no adhesive
- [Typical applications]: Pharmaceutical industry, food and beverage industry, chemical industry, electronics industry, water treatment industry, ink filtration

PP FILTER CARTRIDGE SPECIFICATIONS

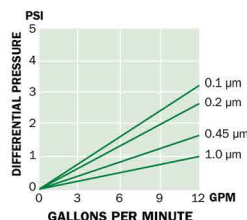
Product Size	Filtration accuracy: 0.1um,0.22um,0.45um,1um
	Length: 10",20",30",40"
End Cap Type	Diameter: OD.68mm, ID.28mm
	Port type: 215,222,High 222,226,Triangle tip,Semi-winged tip,Flat peak cover,Flat
Operating Conditions	Temperature(Max): 80°C
	Differential Pressure (max): 4 bar at 21°C, 2.4 bar at 80°C
Note	Filtration Area,ft2: 5.8ft2 per 10-inch cartridge
	Stainless steel insert option required for all cartridges being hot water sanitized or steam sterilized

FLOW VS. PRESSURE DROP

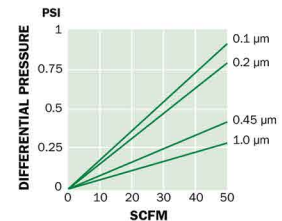
Air Flow Rate
System pressure at 30 psig, 65 °F (18 °C)



Water Flow Rate
This chart represents the typical water flow per 10" cartridge length.



Air Flow Rate
System pressure at <10 psig (vent), 65°F(18°C).
Outlet open to atmosphere.



Integrity Testing

PORE SIZE	AIR DIFFUSION RATE
0.1µm	<50cc/min@18 psig (1.2 bar)
0.2µm	<20cc/min@12 psig (0.8 bar)
0.45µm	<15cc/min@5 psig (0.34 bar)
1.0 µm	<15cc/min@3 psig (0.2 bar)
Per 10" length with 60/40 IPA/water wetted membrane	