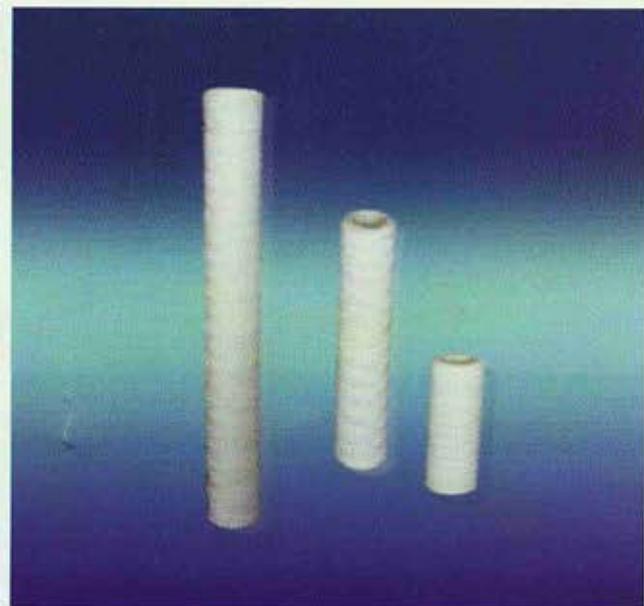




(SPECIALIST IN ALL KIND OF FILTERS)
AIR, GAS, LIQUID FILTRATION SYSTEMS

String Wound Filter Cartridges



Main advantages

Polypropylene string or absorbent cotton string is reeled according to certain aperture and angle to make String Wound Filter Cartridges

Polypropylene super thin fiber is melt-blown into Melt-blown Polypropylene Filter Cartridges.

It is designed for deep filtrations with high flow rate, excellent ability to keep dirt, complete polypropylene structure, good chemical compatibility and low price. It is made with good integrity

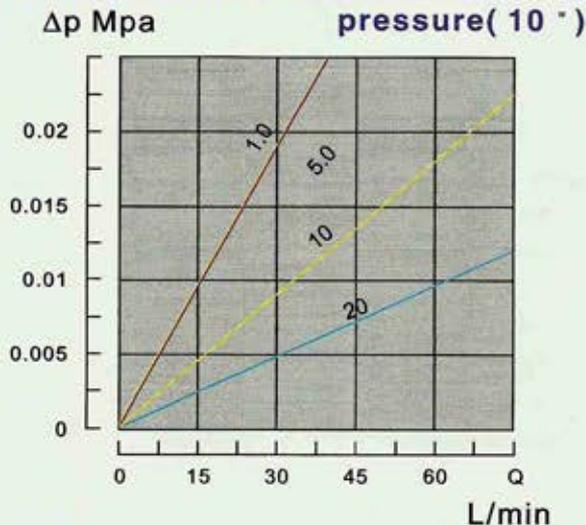
Typical application

- Water purification system.
- Filtration of different beverages and wines
- Filtration in medical industry
- Filtration in electronic industry
- Cleaning filtration in sewage processing Etc.

Main technical specifications (10 inches filter-cartridge)

Item	Technical data
Pore size(micron)	1.0~100
Length	10~40 "
Normal working temperature	For PP - 55°C For Cotton - 125°C
Maximum working temperature	80°C(P•0.10Mpa)
Maximum differential pressure	0.42MPa
PH Value	1~13

Chart of water flow rate with different pressure(10 ")



Melt-blown PP Filter Cartridge



Main advantages

- Quality polypropylene filter media
- Will not impart taste odor or colour
- Available in a wide range of micron ratings and lengths
- Compatible with a wide range of industrial

Main technical specifications (10 inches filter-cartridge)

Item	Technical data
Material	PP micron fiber
Effective length	10 " ~ 60 "
Pore size(micron)	1~100
Maximum differential pressure	0.42MPa

Typical application

- Filtration of water purification system.
- Filtration of different beverages and wines
- Filtration in medical industry
- Filtration in electronic industry
- Cleaning filtration in sewage processing

Pleated PP Membrane Filter Cartridge



Main advantages

Using polypropylene double-layered membrane as its filtering material and polypropylene shell as its internal support, the filter cartridge is thermally welded without any adhesive or medium break off. It can be used both in filtration of liquid and gas.

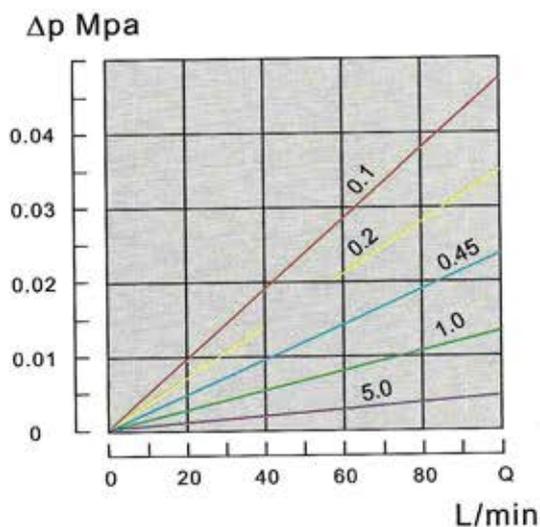
The filter cartridge has the characteristics of excellent chemical compatibility, high flow rate, low pressure difference, long life, low price, wide filtration precision and can be used in different places. It can resist sanitization of high pressure and steam.

- 100% pure polypropylene construction
- Wide chemical compatibility
- No lubricants or anti-static additives
- Excellent dirt holding capacity

Typical application

- Filtration in medical industry such as organic solvent filtration and filtration of compressed air and other gases.
- Pre-filtration in returning water filtration system in electronic industry.
- Filtration in food and beverage industry such as filtration of wine, mineral water and purified water.
- Liquid filtration of organic solvent, ink, galvanization fluid, metal cutting fluid and sensitization anti-corrosion fluid etc.

Chart of water flow rate with different pressure (10")



Integrity test (minimum bubble point) (25°C, •95% Isopropanol)

0.10 μm	≥0.016Mpa
0.20 μm	≥0.012Mpa
0.45 μm	≥0.008Mpa

Main technical specifications (10 inches filter-cartridge)

Item	Technical data
Pore size(micron)	0.10,0.20,0.45, 1.0,3.0,5.0, 10.0, 20.0
Effective filtration area	•0.60m ²
Length	10~40 "
Normal working temperature	•55°C
Maximum working temperature	90°C (P•0.10Mpa)
Maximum differential pressure	0.42MPa
Antiseptic filtration of steam	121±2°C 30min
PH value	1~13

Pleated PTFE Membrane Filter Cartridge



Main advantages

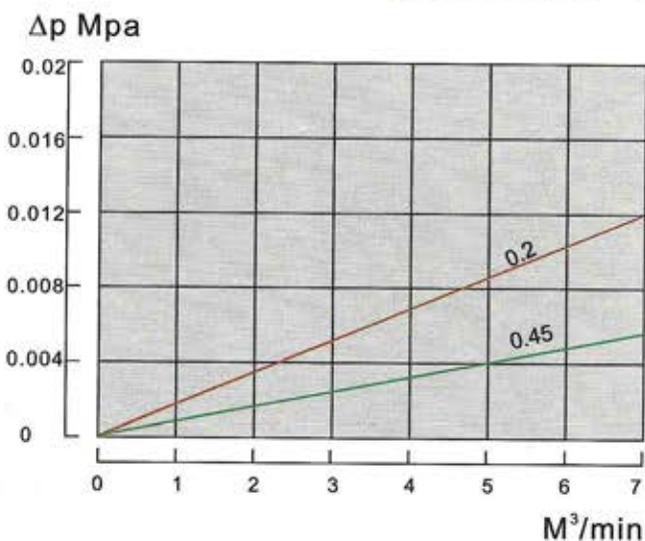
Using Teflon as filtering material and polypropylene or stainless steel as internal support, the filter-cartridge is thermally welded with good integrity. There are two kinds: Namely natural hydrophobic and amended hydrophilic, and they can be used in filtration of gas and liquid.

It has advantages of special micro-hole structure, good performance, and wide chemical applicability. It can resist strong acid and alkali except Aqua regia, high temperature and ozone. Because of its good biological safety and thermal control, it is an irreplaceable filtering material in lots of situations. Integrity tests are done to all the filter-cartridges.

Typical application

- Antiseptic inlet and outlet gas filtration of ferment containers and storage containers
- Antiseptic filtration of compressed air
- Cleaning and antiseptic filtration of steam
- Ozone filtration of mineral water and purified water
- Filtration of organic solvent

Chart of water flow rate with different pressure(10 ")



Integrity test (minimum bubble point)
(25°C, •95% Isopropanol)

0.20 μ m	≥0.104 Mpa
0.45 μ m	≥0.70 Mpa

Main technical specifications (10 inches filter-cartridge)

Item	Technical data
Pore size(micron)	0.10,0.20,0.45,0.80, 1.00
Effective filtration area	•0.60m ²
Length	10~40 "
Normal working temperature	•80°C
Maximum working temperature	90°C(P•0.10Mpa)
Maximum differential pressure	0.42MPa
Antiseptic filtration of steam	121±2°C 30min
PH value	1~14

Pleated PES Membrane Filter Cartridge



Main advantages

Using imported PES membrane as filtering material and heat-resistant polypropylene shell or stainless steel shell as internal support, it is made without any additive and medium break off.

The PES membrane is a kind of hydrophilic membrane with unique geometric holes and high flow rate, has low absorption of protein and microorganism. With its good chemical-resistant quality, it is an ideal filtering material. Integrity tests are done to 100% of the filter cartridges.

- Standard Connections fit most situations
- Available in varies of fibers and removal ratings
- Pleated design makes removal fast and simple

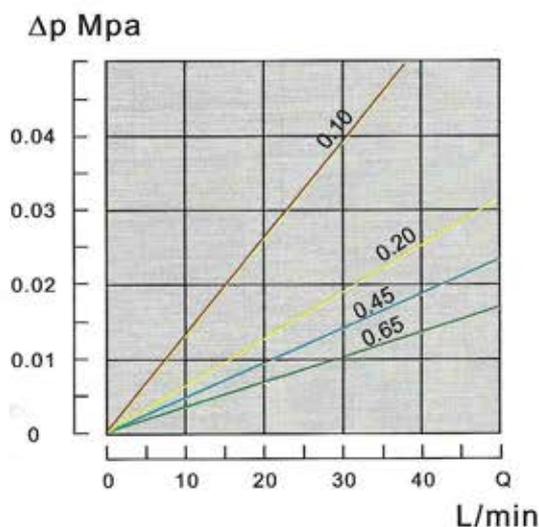
Typical application

- Medical industry: Terminal filtration of injection fluid, large transfusion fluid, blood serum, biological products, protein solvent, entering material of fermentation cylinder and bacteriophage.
- Electronic industry: Filtration of super clean water for manufacturing of compact disc, computer display and silicon crystal
- Beverage industry: Filtration of pure draft beer, wine, pure water and mineral water.
- Chemical industry: Filtration of chemicals.

Main technical specifications (10 inches filter-cartridge)

Item	Technical data
Pore size(micron)	0.10,0.20,0.45, 0.80, 1.0
Effective filtration area	•0.65m ²
Length	2.5~40 "
Normal working temperature	•80°C
Maximum working temperature	90°C(P•0.15Mpa)
Maximum differential pressure	0.42MPa
Antiseptic filtration of steam	121±2°C 30min
PH value	2~13

Chart of water flow rate with different pressure(10 ")



Integrity test (minimum bubble point) (25°C, Water)

0.20 μ m	≥0.28 Mpa
0.45 μ m	≥0.20 Mpa
0.65 μ m	≥0.15 Mpa

PP and NYLON Filter BAGS

In the bag filtration system, the filter bag is supported by an inside metal basket. The incoming fluid is to flow out after being filtered by the bag, thus the impurity is intercepted in the filter bag. You can continue to use the filter system after changing the filter bag. It is a trend for the bag filter to replace partly the cartridge filter. The small filter bag can filter large amount of liquid.

The filter bag is key to filtering. According to the result of research from a famous company, for over 10 years, filter bags have been a critical component of filtration systems worldwide.

These felt filter bags have sewn construction and a glazed finish .Polyester felt bags are general-purpose media bags manufactured with a single layer of felt media. Heavy duty polyester felt bags filter heavy metallic particles and extremely viscous liquids such as tar without tearing. Interwoven polyester mesh provides extra strength to hold heavy particles. Polypropylene felt bags are FDA compliant. Nomex felt bags are for use in high temperature applications in the harshest environments.

Filter Bag Size	Trade Size	Max Flow (gpm)	Micron	Craft
4" x 8"	3	25	1, 5, 10, 25, 50, 100, 200	Sewn/Welded
4" x 17"	4	50	1, 5, 10, 25, 50, 100, 200	Sewn/Welded
7" x 17"	1	100	1, 5, 10, 25, 50, 100, 200	Sewn/Welded
7" x 32"	2	220	1, 5, 10, 25, 50, 100, 200	Sewn/Welded

Micron Ratings— Absolute-rated filter bags will retain at least 90% of particles of the specified micron size. All other bags will retain particles, but not to any percent efficiency. Often referred to as nominal rated. To achieve the desired filtration, select a bag with a micron size smaller than the particles you want to filter.

Operating temperature: Continuous: <90C , Instant: 105C

The weight (300–650 grams) and width (within 2.3 meters) can be customized!

We can finish them with singeing, calendering, heat setting, Teflon coating and membrane.

Applications : Widely used in the condition of high acidity and high alkalinity . Equipped with frame filter presses, vacuum filter presses, bag filter, centrifuge filters, which be mainly use to filter liquid.





PP Cartridge and Bag Filter Housing

10" & 20" Length

Flow Capacity upto 8m³/hr for single Housing

Suitable for 2.5" & 4.5" diameter Cartridge.

Opaque/ Transparent

Suitable for DOE type Cartridge

Upto 1½" I/O Connection



SS Cartridge and Bag Filter Housing

For 10" to 40" Cartridge Length

For 4" & 7" Dia Bags

For Flow upto 100m³/hr

Micron/ Melt Finish

Available in SS 304/SS 316 Material,

Suitable for DOE 222/226 type Cartridge

Threaded/Flanged Connection



Cartridge Filter Housings :

Suitable for 10" to 40" Long

MOC :- UPVC

Suitable for 2.5" Dia Cartridge

5R & 9R Cartridge Housing

DOE Type Cartridge

Liquid Filtration

Bag Filter Housing

Suitable for 7" X 32" Bag Housing

Flow upto 25m³/hr

Suitable for single Bag with standard PP Collar

Threaded/Union/Flanged Connection



SS Membrane Housing

Seamless & with Seam Type

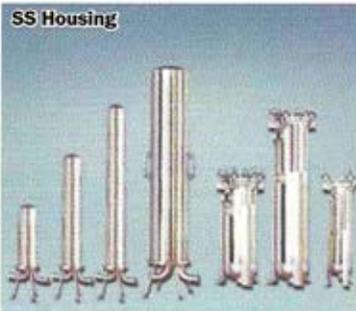
For 2½", 4" & 8" Membrane

MOC : SS304, SS316

MOC End Cap : ABS

Micro polished housing with mirror finish

SS Housing



Compressed Air Filter



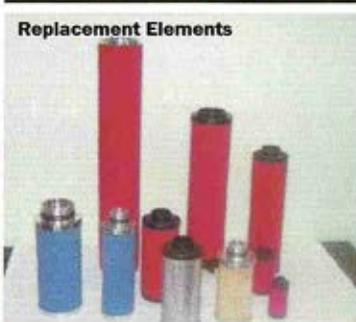
Plastic Housing



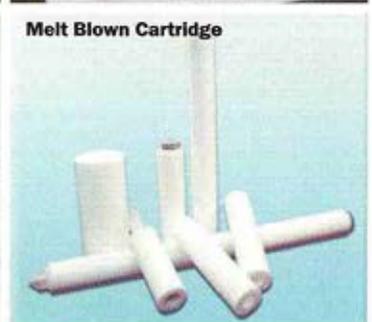
Pleated Cartridge



Replacement Elements



Melt Blown Cartridge



String Wound Cartridge



Capsule Filter



SS Cartridge



Bag Filter



Panel-Filter



Filter Cartridge and Housings

