

PITRU INDUSTRIES

Pure Water, Healthy Life



PITRU

INDUSTRIES

Our **Fascination**
and **Enthusiasm**
are the basis for your
SUCCESS

Pitru Industries is located in Gondal City and is a technology enterprise integrating development, manufacture and sale. Our company has advanced equipment and techniques, strong technology strength, complete detecting equipment and perfect quality assurance systems. Our products are popular with clients in domestic and overseas.

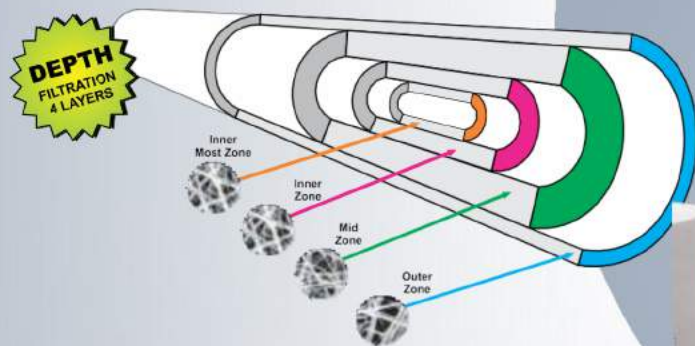
Our company owns powerful technological strength and highly-efficient production. We specialize in researching, developing, producing and selling a variety of water filtration cores. The products from our company are extensively applied into the fields of biology, pharmaceutical, electronics, electroplating, food, beverage, wine, as well specialize in designing and producing some special product in accordance with customer's need

We firmly believe that more value can be created only through pursuing perfectness continuously. Thereby, we promise that we will provide you with optimum quality, the best service and the most competitive prices.

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PP SEDIMENT MELT BLOWN DEPTH FILTER CARTRIDGE



PITRU INDUSTRIES Melt Blown Cartridges is manufactured from 100% Polypropylene construction offering excellent filtration and good thermal stability. The unique density gradient construction maximizes efficiency and minimizes pressure drop. Our imaginative generation process makes a profundity Filter with prevalent execution and consistency, It is developed with multi-layers profundity cartridges. There is Two Type of PP Melt Blown Filter Cartridge: Standard PP Melt Blown Filter Cartridge (O.D: 2.5") and Big Blue PP Melt Blown Filter Cartridge(O.D: 4.0" Or 4.5"). Filter Cartridge is manufactured by a qualified and experienced team of professionals employing advanced technology and latest equipment. **Our products are available in various specifications that can be customized as per client's requirements.**

Advantage:

- High filtration efficiency, consistent filtering performance
- Made of FDA grade PP material which is environmental protection, without binders, additives and lubricants.
- Centre core for strength.
- High flow rates
- Low pressure drop
- Controlled process parameters– consistent product
- Substantial surface area has high stream rates
- Multi-layers evaluated thickness of the broadened media catches particles all through the filtering procedure

Specification:

Filter Media	100% Polypropylene Media
Length	10", 20", 30", 40", 50", 60", 70" & Customized
Inside Diameter	0.79"(20mm), 1"(25mm), 1.1"(28mm), 1.18"(30mm), 1.97"(50mm) & Customized
Outside Diameter	2.5" (63mm), 4"(102mm), 4.5"(114mm), 6" (152mm) & Customized
Maximum Temperature	150°F (68° C) for Polypropylene
Micron Rating	1, 3, 5, 10, 20, 25, 30, 50, 75 & 100 micron
Initial ΔP(psi) at Flow Rate (LPM)	0.2 to 0.6 psi at 19 to 76 LPM (Depending on length and Micron Rating)
Various End Cap	Polypro-226, PolyPro Core/Extender, Flat/Closed, Poly-222, Fin

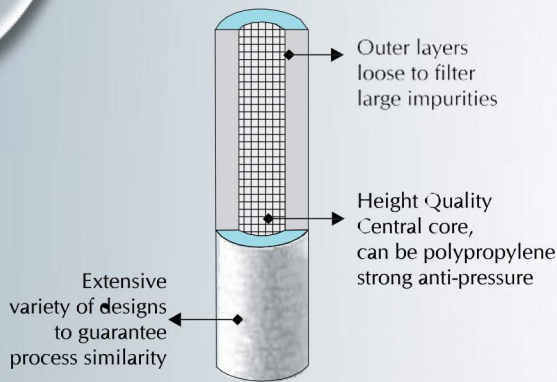
Flow Rate and Pressure Drop Formulas:

$$\text{Flow Rate (l/min)} = \frac{\text{Clean } \Delta P \times \text{Length Factor}}{\text{Viscosity} \times \text{Flow Factor}} \quad \text{Clean } \Delta P = \frac{\text{Flow Rate} \times \text{Viscosity} \times \text{Flow Factor}}{\text{Length Factor}}$$

Notes :

- (1) Clean ΔP is m_bar differential at start
- (2) Viscosity is centistokes
- (3) Flow Factor is m Bard-l/min at 1cks for 254mm (or single)
- (4) Length Factor convert flow or ΔP from 254mm (single length) to required cartridge length

PP SEDIMENT STRING WOUND FILTER CARTRIDGE



PITRU INDUSTRIES' string wound cartridge give genuine profundity filtration, high dirt holding capacity, and to a great degree low media relocation. Wound cartridges provide true depth filtration utilizing thousands of tapered filtering passages of controlled size and shape.

Each layer of roving contributes to true depth filtration by trapping its share of particles. Particularly critical is the accessibility of filters in a relatively perpetual mix of media and core material, to deal with practically any compound as well as condition or temperature. There is two type string wound cartridge: Standard string wound cartridge (O.D.: 2.5") and Big blue or Jumbo string wound cartridge (O.D.: 2.5"), We offer string wound filter cartridges OEM benefit with an aggressive cost! **Our products are available in various specifications that can be customized as per client's requirements.**

Advantage:

- 100% polypropylene –inert material, excellent micro-organism resistance.
- High soil holding limit and longer life as particles are tapped all through the whole cross segment of the filter.
- Extensive variety of designs to guarantee process similarity.
- High residue holding limit with regards to longer time between cartridge changes.
- No chemicals to drain out with new liquefy turning and yarn shaping procedure.
- Wide range of configurations to ensure process compatibility.
- High mass media having enhanced void to strong proportion gives higher stream rates with low pressure drop.

Specification:

Filter Media	100% Polypropylene Media
Length	10", 20", 30", 40", 50", 60", 70" & Customized
Inside Diameter	1.1" (28mm), Customized
Outside Diameter	2.5" (63mm), 4"(102mm), 4.5"(114mm) & Customized
Maximum Temperature	180°F (82° C) for Polypropylene
Micron Rating	1, 3, 5, 10, 20, 25, 30, 50, 75 & 100 micron
Various End Cap	Polypro-226, PolyPro Core/Extender, Flat/Closed, Poly-222, Fin

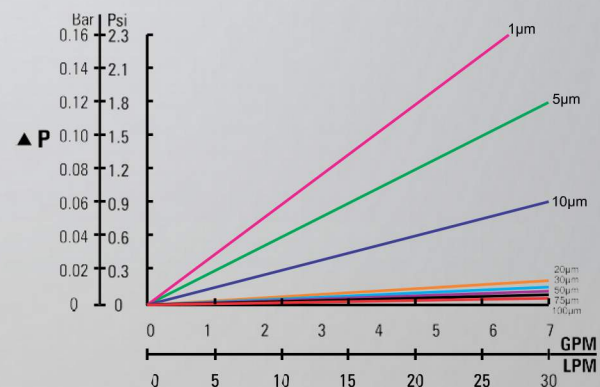
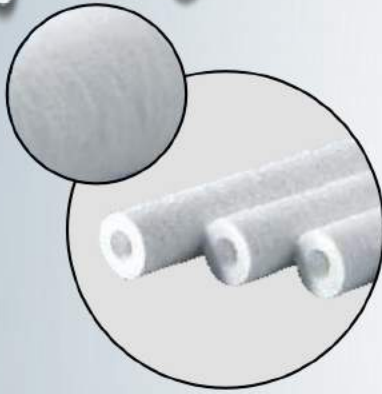


Diagram: Pressure Drop vs Flow Rate of 10"PP String Wound Cartridge Filters

ORANGE SURFACE PP MELT BLOWN DEPTH FILTER CARTRIDGE



Orange Surface PP Melt Blown Filter Cartridge is manufacturer by Pitru Industries to Provide consistent filtration in a lot of crucial liquid process applications. Polypropylene spun bonded filter Cartridges are manufactured by improved thermally bonded depth filtering technologies, the surface is wrinkled finish. Orange melt blown filter cartridges have longer service life with high quality, help users save some filtration system costs.

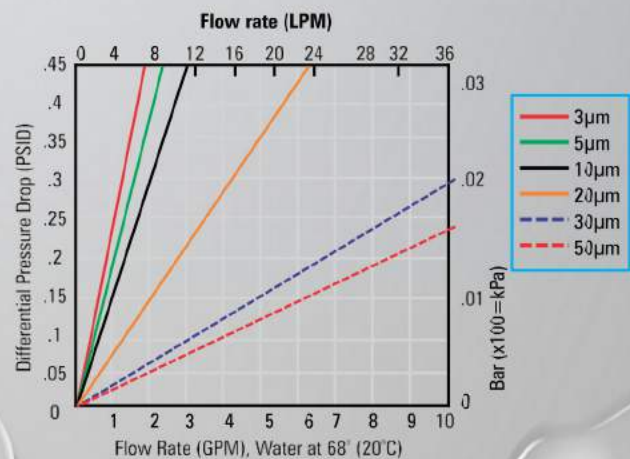
Our products are available in various specifications that can be customized as per client's requirements.

Advantage:

- Multi-layers evaluated thickness of the broadened media catches particles all through the filtering procedure
- Stable execution
- Line secured surface
- No glues and any added substances
- Sensible cost
- Great chemical compatibility

Specification:

Filter Media	100% Polypropylene Media
Length	10", 20", 30", 40", 50", 60", 70" & Customized
Inside Diameter	1.1" (28mm), Customized
Outside Diameter	2.5" (63mm), 4"(102mm), 4.5"(114mm) & Customized
Maximum Temperature	140°F (60° C) for Polypropylene
Micron Rating	1, 3, 5, 10, 20, 25, 30, 50, 75 & 100 micron
Max Pressure Drop	Depended on length and micron rating
Various End Cap	Polypro-226, PolyPro Core/Extender, Flat/Closed, Poly-222, Fin



GROOVED SURFACE PP MELT BLOWN DEPTH FILTER CARTRIDGE



Grooved Surface PP Melt Blown Filter Cartridge is manufactured by thermally bonded advancing depth filtration through technological innovation. Grooved spun bonded filter high particle removal efficiencies at high flow rates. Grooved Surface PP Melt Blown Filter Cartridge are made 100% high class polypropylene material, no binders, additives and lubricants. We are one of the leading manufacturer Grooved Surface PP Melt Blown Filter Cartridge supplier from India.

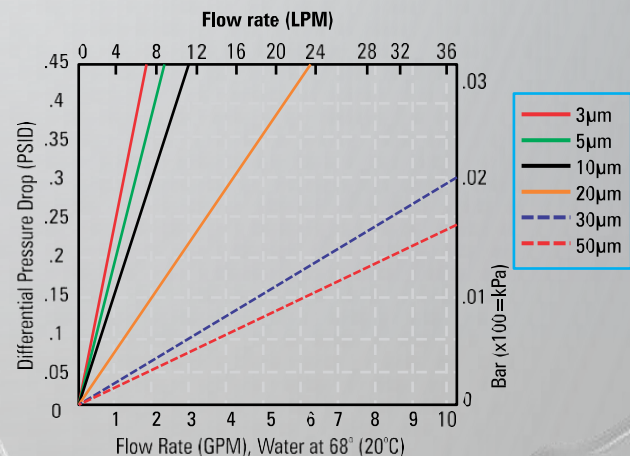
Our products are available in various specifications that can be customized as per client's requirements.

Advantage:

- High particles evacuation efficiencies at high stream rates.
- Long administration life and less change-out to spare a few expenses.
- Grooved designed lead to low initial pressure drop for enhanced flow.
- Ends caps grooved pp filters are available to meet most of the filter housing.
- Harder structure more noteworthy capacity to work under strain than ordinary pp melt blown filters.

Specification:

Filter Media	100% Polypropylene Media
Length	10", 20", 30", 40", 50", 60", 70" & Customized
Inside Diameter	1.1" (28mm), Customized
Outside Diameter	2.5" (63mm), 4"(102mm), 4.5"(114mm) & Customized
Maximum Temperature	140°F (60° C) for Polypropylene
Micron Rating	1, 3, 5, 10, 20, 25, 30, 50, 75 & 100 micron
Max Pressure Drop	Depended on length and micron rating
Various End Cap	Polypro-226, PolyPro Core/Extender, Flat/Closed, Poly-222, Fin



Chlorine, Taste and Odor Filter Cartridges (CTO)



Chlorine, Taste and Odor Filter Cartridges evacuate chlorine, colour, smell and turbidity caused by broke up organic from watery and natural fluids to give better quality filtration fluid. Fluids enter at one end and pass through the entire length of the carbon bed before exiting. Granular actuated carbon filter is produced of fantastic principles with abnormal state of execution both for industrial and residential purposes. Our products are available in various specifications that can be customized as per client's requirements.

Advantage:

- Particularly intended to give better quality water, Pureflo The CTO cartridge is of top-notch guidelines with an abnormal state of execution.
- Predominant Chlorine Adsorption effectiveness.
- The unbending structure finishes with a 1-um pre and post-filter design.
- Expel color, smell, and turbidity From watery or natural fluids.

Specification:

Filter Media	Carbon
Length	10", 20"
Inside Diameter	1.1" (28mm)
Outside Diameter	2.5" (63mm)
Maximum Temperature	125°F (52° C)
Max Pressure	0.5MPa
Micron Rating	5 micron
Reducing	Chlorine, Color, Odor and Organic Impurities

Application:

It is ideal for use in residential and commercial water purification systems, food service, and as pre- filter in Reverse Osmosis systems. Removes chlorine, taste and odor, and organic chemicals contributing to bad taste and odor.pre-filter

SOE Filter (Single Open Ended)

SOE (Single Open Ended) – As the name shows, Single Open Ended cartridges have one end fixed. This seal is typically proficient by utilizing a polypropylene end cap. By utilizing a cap toward one side, filter sidestep is unthinkable, so frameworks that require higher virtue filtration commonly execute this kind of cartridge filter. The higher cost related to the end cap keeps this type from being utilized as a part of general applications.



Various Caps



Polypro Core Extender : A special snap-in extender is available for polypropylene cores, Designed for high Strength and high flow rates,



Poly- 222 : This sort of filter is quite often SOE, using a cap toward one side. They contain twofold gaskets that seal against the cartridge filter housing to provide better bypass protection than a typical DOE cartridge.



Polypro- 226 : Also known as sanitary cartridge filters, Type 226's have double gaskets which are similar to the Type 222. Locking fins are included with this type of cartridge, which ensure proper installation of the filter. When installing this type of cartridge into the sanitary cartridge filter housing, it must be properly lined up with the opening and twisted as it is pushed in. This ensures a full lock and proper bypass protection.



Flat /Closed End : Typically used with DOE and Type 222 compatible cartridge filter housings, flat end cartridges are SOE with a flat plastic cap used for the seal.



Fin : An SOE cartridge with a pointed cap instead of a flat one. It utilizes a bracket to eliminate the ability of the cartridge to sway, allowing it to maintain a seal. Type 226 cartridges may also have this end configuration.



Improve your **Water**.
Improve **Life**.

PITRU INDUSTRIES

Largest Producer in India.

Manufacturer of Melt Blown & Wound Filter Cartridge

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