

# UNITE

## FILTER CARTRIDGES

We are known as the most reputed manufacturer of an impeccable quality range of PP Sediment Filter, Wound Filter Cartridge, Bag Filter Cartridge And Pleated Filter Cartridges. These products are manufactured using best quality raw material and advanced technology in order to meet the international standards.



**PRODUCT**  
Catalogue

Onestopplace  
forFilter Cartridges

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**UNITE** Industries

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## MELT BLOWN FILTER CARTRIDGE

Melt blown cartridge filters have a unique construction formed by thermally molded polypropylene fiber layers that offer excellent depth filtration, higher filtration efficiency, long service life and thermal stability. Only the best-quality FDA certified materials are used to construct our pp melt blown cartridge filter. The spun filter cartridges are the best suited for fine particle filtration and coarse filtration across a range of applications and filtration requirements. They are designed to prevent contaminant unloading and ensure maximum contaminant removal.



### Technical Specifications

<b>Size</b>	10", 20", 30", 40", 50", 60", 70"
<b>Outer Dia</b>	2", 2.5", 4", 4.5", 6"
<b>Micron Rating</b>	0.5, 1, 3, 5, 10, 25, 50, 100 & 150
<b>Surface Type</b>	Plain, Doted, Liner, Grooved, Harf Surface
<b>Type</b>	DOE & SOE

## WOUND FILTER CARTRIDGE

Wound Filter Cartridges are designed to meet the most demanding filtration duties. They offer an economic, compact, easily installed and maintained filtration system for removal of particulate removal from liquid.

The Wound filter cartridge has a better dirt-holding capability than the general PP Sediment Melt Blown Filter Cartridge. It is made of using 100% food grade Polypropylene (PP) material. Wound filter cartridge is widely used in the fields of Petroleum, Chemical, Oil, Electroplating, Medicine and Food production.



### Technical Specifications

<b>Size</b>	10", 20", 30", 40"
<b>Outer Dia</b>	2", 2.5", 4", 4.5", 6"
<b>Micron Rating</b>	0.5, 1, 3, 5, 10, 25, 50, 100 & 150
<b>Type</b>	DOE & SOE

## FILTER BAGS

Conventional filter bags used in Bag houses (Dust Collector Systems) are manufactured as per customer specifications in a wide range of fabrics depending upon the type of dust and other dust parameters. The fabrics are non-woven needle felt fabrics.



### Technical Specifications

<b>Size</b>	4" x 10", 4" x 17", 4 x 20", 7" x 16", 7" x 32"
<b>Micron Rating</b>	1, 5, 10, 25, 50, 75, 100
<b>MOC of Media</b>	Polypropylene Polyester, Nylon, Cotton
<b>MOC of Collar</b>	PP, SS Ring
<b>Configuration</b>	100% Welded, 100% Stitched

## CARBON CARTRIDGE

Carbon cartridge use activated carbon and other activated materials to reduce contaminants from water. Mostly carbon cartridge use mechanical filtration as well both sediment, chemicals remove. Carbon black cartridge are used for the filtration of water, spirits and organic solvents. These are used removal of color, smell and taste



### Technical Specifications

<b>Material</b>	Activated Carbon
<b>Size</b>	10" & 20"
<b>Cap</b>	Black end cap style
<b>Outer Dia</b>	2.5" & 4"

## PP PLEATED FILTER CARTRIDGE

These are 100% Polypropylene Filter Cartridges with hard polypropylene core and cage. They are used in a variety of applications like food, pharmaceuticals, Air, Gas and other demanding process industries. These are designed for providing high efficiency and purity filtration. Manufactured with polypropylene microfiber media, these cartridges are ideally suited for membrane pre-filter applications or as a cost-effective alternative to membrane filtration. They are most appropriate for use when high efficiency filtration is crucial. Polypropylene offers wide compatibility range making it suitable for many applications. Filtration surface area of 0.55 m<sup>2</sup> per 10" allows high flow rates at reduced pressure drop as well as higher dirt holding capacity resulting in lower operating cost.

### Features & Benefits

- Available in all micron rating from 0.2 to 50 micron.

- Larger surface area of media offers higher dirt holding capacity

- Robust outer cage

- Broad chemical and thermal compatibility due to all PP constructions.

- Excellent flow and low pressure drop

- Constructed by advanced thermal welding techniques to seal all components

- No fiber migration

- FDA approved

- Biologically safe

### Applications

- RO Membrane Pre-Filtration

- Food & Beverages

- Fine Chemicals

- Pharmaceuticals

- Waste Water

- Air and Gas

- Catalyst Recovery

- General Water filtration / Process Water

- Electronic

- Di-ionized Water Prefiltration

- Developer chemicals

# PP PLEATED FILTER CARTRIDGE

## Configuration

- Double Open Type (DOE Type)
- Code 7 (226/Fin)
- Code 7 (226/Flat)
- Code 6 (222/Fin)
- Code 6 (222/Flat)



## Technical Specifications

<b>MATERIAL</b>	
Filter Media	Polypropylene
End Caps, Core, Cage	High Strength Polypropylene
"O" -ring / Gasket	Silicon, FKM, EPDM, Buna-N
<b>Retention Rate</b>	
Retention Rate	0.2, 0.45, 1, 5, 10, 20 um
<b>SURFACE AREA</b>	
Standard (OD 69mm)	≥ 0.55 m <sup>2</sup> per 10" cartridge length
<b>DIMENSIONS</b>	
Length	10", 20", 30", 40", 50"
Standard OD	69±1 mm
<b>MAXIMUM OPERATING CONDITION</b>	
Recommended Change-out $\Delta p$	2.4 bar @ 21°C
Maximum operating temperature	80°C (176°F)

Group Company of



## UNITE

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