



- ✓ Catering to filter requirements for last 30 years.
- ✓ Assuring Quality products to 1500 customers and more
- ✓ An amalgamation of skilled professionals
- ✓ An expert solution to all process filtration problems



**SS FILTERS PVT LTD**  
THE TRUST FOR PROCESS FILTRATION

**FLOWFILT**

## About us

**SS Filters Pvt. Ltd.** Is a technology oriented company which specialises in microfiltration of fluids and its handling equipment. We are the leading manufacturers and suppliers of filter cartridges, filter housings, filter bags and filter pads in addition to different types of filter systems for use in laboratory and industrial applications. We have a quality assurance team which checks the product quality at every stage.



- **Vision** : To be amongst the top 3 solution providers in India for process filtration requirements.
- **Mission** : To be a trusted partner in every processing industry in India by 2025.
- **Values** :
  - Quality
  - Discipline
  - Perfection
  - Customer satisfaction
  - Research & Development
  - Willingness to upgrade

## Founder, Chairman Profile

### Dr. K.S. Agrawal



SS Filters journey began when its parent company took the all-important step in 1984. Our Chairman & MD, Dr K.S Aggarwal had a holistic vision to help people with his knowledge of filters & provide quality products, maintaining good business relations with our clients. Retired as a senior scientist from BARC, his valuable and vast knowledge of over 40 years has laid the building block & foundation of this company. He is the backbone and pioneer of what SS Filters is today.

**Vision:** *“Having given birth to SS Filters, we have made the wings stronger to reach soaring heights.”*

## Our Filters Are Required In Different Process Industries Like:

- Chemicals & Petrochemicals: Solvents, solutions, chemical filtration, acids, bases, Diesel or ATF fuel
- Food & Beverage: bottled water, beers, wines, flavors, polishing, clarification
- Health Care & Pharmaceuticals: Membrane filtration, ophthalmic, oral medicines, serum
- Industrial processes: clean water, removal of carbon
- Paints & Coatings: paints, coatings
- Industrial water treatment
- Electronics: High purity water, photo resists
- Cosmetics: Alcohols, creams, lotions, essential oils, mouthwashes etc

# Products

## Filter Housings

### Stainless Steel Single Cartridge Filter Housing



SS Filters stainless steel cartridge filter housings are designed for high purity applications. All wetted surfaces are constructed of SS 316 / SS 304 and are mirror polished, providing excellent corrosion resistance. The housing comes in 10" to 40" cartridge sizes to meet the needs of your application. The housing can support both Double Open End (DOE) and Code-7 type cartridges.

### Stainless Steel Vent Filter Housing



SS Filters stainless steel vent Housing is constructed of SS304 / SS316/ SS316L stainless steel material for high purity applications to allow venting of large & small tanks. The housing is typically used in the food & Beverage industries. The housing comes in 10" to 40" sizes to meet the needs of your application. The housing is a clean & easy way to provide filtered air into tanks as well as allow gases to flow out. The housing can support Double Open End (DOE) or code-7 type filter cartridges. The design of the housing provides for a positive seal with the filters thereby preventing fluid by pass.

### Stainless Steel Multi Cartridge Filter Housing



SS Filters stainless steel multicartridge filter housings meet general purpose industrial and commercial filtration needs. This multicartridge housing can consist of 3, 5 or up to 50 cartridges to give the desired flow rate as per customer requirement. The housing is compatible with 10" to 40" filter elements. The housing can support both Double Open End (DOE) and Code-7 type cartridges.

### SS Duplex Filter Housings/ Strainers



SS Filters duplex housings/ strainers provide a simple, cost effective way to separate particle impurities from fluid systems. Duplex strainers are ideal for applications where continuous flow must be maintained with no flow interruption for cleaning. These filters are available with basket type strainers as well as cartridge strainers having desirable micron ratings. These duplex strainers and duplex filters protect pumps, engines, nozzles, valves, heat exchangers and other expensive pipeline equipment from harmful flow contamination by catching dirt and debris. Where fine filtration is required, the basket is replaced by cartridge filters.

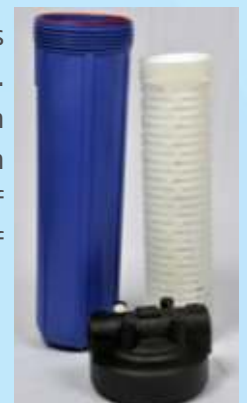
### SS Bag Filter Housing (single/ Multiple Bag)

Stainless steel bag filter housings provide filtration solution for a broad variety of fluid applications in the process industry. They are particularly useful for filtering large volumes of high viscosity liquids.



### PP Filter Housing (blue/ Black Or Transparent)

SS Filters offer PP bag filter housings that are made using polypropylene. These housings are corrosion resistant. The housing can accommodate filter bags of length of 10", 17" or 32" or filter cartridges of 10", 20"



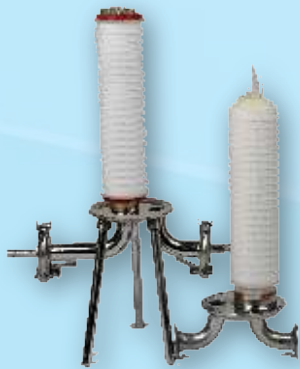
# Products

## Filter Cartridges

### ▼ Polypropylene Pleated Filter Cartridge



*Inhouse PP pleated cartridge manufacturing facility*



PP pleated filter cartridges have been designed as an effective membrane prefilters and as final polishing filters for many liquid processing applications. The cartridges are double layered filters. The graded porosity design removes particles in sequence such as larger particles by the more open outer layers and the smaller particles by the tighter inner layers. The outer layer acts as the prefilter while the inner layers provide the rating at the specified pore size. This efficiently spreads the contaminants throughout the media matrix resulting in superior contaminant holding capacity, lifetime & pressure drop as compared to other media cartridges.

### ▼ SS Pleated Filter Cartridge



SS Pleated filter cartridges are the perfect choice for high temperature (250°C & above) & high viscosity applications. MOC is SS 304 or SS 316 or SS 316L. They offer excellent reliability for critical applications and have high dirt holding capacity. The cartridges are designed for cleanable and reusable applications so as to eliminate frequent cartridge change out.

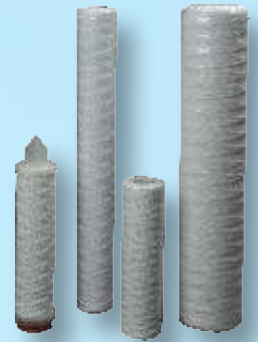
### ▼ SS Sintered Filter Cartridge



Stainless Steel sintered powder filter cartridges are recommended for the filtration of air or liquid at higher operating temperatures & corrosive environment. Sintered S.S. cartridges are produced by cold isostatic pressing, which gives high porosity to the material and also stability. They can easily be cleaned or back washed thus having longer shelf life. Sintered filters are able to withstand high differential pressure across the filters.

### ▼ PP Spun FC/ Wound Fc

These cartridges can be used either as a pre-filter or final filter for industrial, chemical process, pharmaceutical, food/beverage, cosmetics, water and other applications. Two sizes are available - standard and jumbo as per your flow rate and volume requirements.



### ▼ Microglass Fiber/ Ptfе Pleated Filter Cartridge

**GF pleated filter cartridges** are 100% synthetic glass fibers with or without binder that provides excellent strength in many liquid applications. The filtration media combined with high flow rates and high dirt-holding capacities is the ideal choice as a prefilter in many industries to increase the shelf life of the more expensive membrane filter cartridges.



### **PTFE Absolute rated membrane cartridges**

are highly retentive hydrophobic or hydrophilic membrane filters that have been specially designed for critical applications. The PTFE membrane Cartridge in an all-propylene construction provides excellent chemical compatibility and superior flow per surface area as compared to other membrane cartridges. PTFE cartridge is ideally suited for aggressive chemicals such as acids, bases & solvents. It gives superior flow & pressure drop characteristics for gas filtration & tank venting applications. Are 100 % integrity tested with good particle removal efficiency at 0.1 & 0.2 microns.

### ▼ Membrane Absolute Filter Cartridges- Nylon/ Pes

Polyethersulfone (PES) absolute rated membrane cartridges are inherently hydrophilic and contain no added surfactants or wetting agents that could alter the taste in beer, wine, bottle water & other beverages. PES absolute filters are sterile filters offering superior flow characteristics, high contaminant holding capacity and consistent removal of particles and micro organisms. The cartridges are 100% integrity tested to assure reliability.



# Products

## Moisture- oil Removal Coalescing Filter Cartridge for air & gas

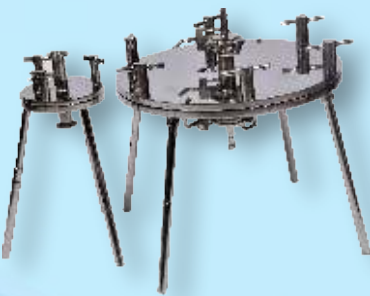


Coalescing filter cartridges are especially designed for moisture, oil & particulate removal from air and gases. The cartridge has stainless steel shell and support components. Stainless steel outer core supports the filter media since the flow differential pressure is from inside to outside. The

cartridge is made from HEPA filter media which in gas service will remove better than 0.3 micron particles. HEPA filter media is supported by SS wire mesh to take care of high pressure differentials.

## SS Filter Holders In Different Sizes - 293, 142, 90, & 47mm

SS Filters stainless steel pressure type filter holders can be used for ultra cleaning or sterilizing liquids & gases. They have been designed to maximize flow rates and to minimize holder resistance. The flow rates are maximized by applying positive pressure to the fluid over a broad membrane surface. The filter holders are autoclavable. They can be used in either batch or continuous filtration procedures. All holders vent to release pressure.



## Capsule Filters

SS Filters have developed capsule filters in various sizes and filter media. They are ideal for filtration of small volume of gases & liquids. These filters are self contained, ready to use, disposable filtration devices inside a polypropylene housing. Each capsule filter consists of a pleated filter element integrally sealed into a rugged polypropylene housing. A completely self-contained unit is formed by a state-of-the-art thermal bonding process, ensuring well tested filter integrity and performance. Apart from various configurations available for inlet/ outlet, the unit also has venting & draining ports.



## Filter Papers / Pad

- Cellulosic filter pads - any size with any Micron rating
- Filter paper - Cellulosic, membrane and glass fiber
- Membranes - Nylon, PES, PTFE
- Size: 13 - 293mm
- Seed Germination paper



## Filter Bags

SS Filters offer Polypropylene filter bags which have their outside surface glazed to prevent fabric fibers from getting into the clear, filtered process media. PP filter bags provide depth filtration & have a high solid retention capacity. They are available with both metal & plastic sealing rings. Filter bags are available in different sizes and micron ratings.



### Products & Specifications:

MOC	PP/Polyester/PP felt
Length of Filter bag	Dia 4" x 20", 7" x 17", 7" x 32"
Snap ring	PP/ SS/ MS
Micron rating	1, 5, 10, 25, 50, 100 microns

## Dust Collector Filter Bags

To optimize the filtration performance high quality Dust Collector Filter Bags need to be used. They are also used to minimize the dust emission levels as per industry standard. These bags have an efficiency of 99.9%. We make filter bags of Polyester, Polypropylene, Homopolymer, Co-Polymer, PPS (Ryton), Nomex, Fiber Glass, PTFE, P-84 with finishes for enhance the performance of bag like Water repellent, Water & Oil repellent, Antistatic, Flame retardant, PTFE Coated, PTFE Membrane Laminated.



## HIGH TEMPERATURE BAGS

We offer our clients with an varied range of Standard Temperature Bags. These bags are widely used in dust collector system. We manufacture our products in accordance with international norms and standards. Our employees make use of high quality raw materials to manufacture these bags.



## Special Product

### Maximum Catalyst Retention / Recovery Filter

SS Filters make Noble Metal Catalyst Filters are specially designed for filtration of various catalysts such as Palladium, Platinum, Rhodium, Ruthenium, etc. These filters are fitted with state of art back washable metallic cartridges which are coated with metallic membrane. This membrane prevents the catalyst particles from getting penetrated in the wall of the filter candle and enhances its life.

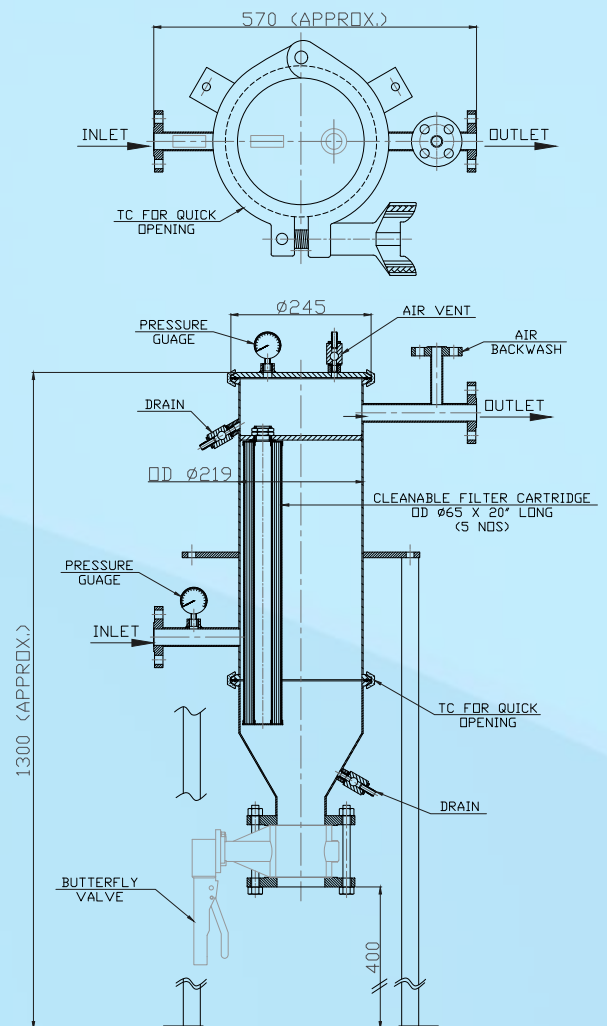
These filters are fitted with a heel filter to ensure that entire liquid volume is filtered. Hence, these filters improve the production capacity by preventing product recycling.

#### Salient Features:

- Sintered SS 316L
- Metallic Membrane coating
- Surface filtration, hence no depth filtration and choking problems
- Porosity up to absolute 1 micron.
- Liquid re-circulation not required.
- No atmospheric exposure.
- No spillage losses.
- 100% recovery of catalyst

#### Applications:

- Batch Filtration Systems
- Metallic Membrane optional
- Catalyst recovery filter in:
- H<sub>2</sub>O<sub>2</sub> production
- CTA/PTA production
- TDI/TDA production
- Butanediol



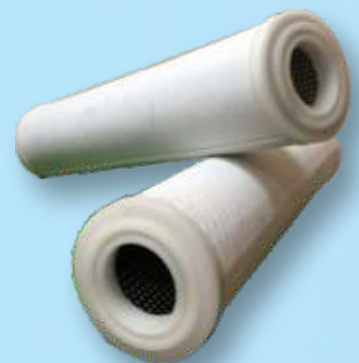
### Exhaust Filters for Vacuum Pumps

At the heart of the Vacuum Pump Exhaust Filter is the completely disposable coalescing element. Made entirely from borosilicate glass microfiber and silica binder, it is compatible with all compressor lubricants and will operate at temperatures up to 120°C.

The microfiber element has a two-layer structure, an inner particle capture-layer and an outer drainage-layer. Oil droplets remain mobile once captured and travel through the fine-pored capture-layer, along the intersecting microfibers, growing in size as they progress.

These coalesced droplets are transferred to the large-pored drainages-layer, from where they drain by gravity into the filter bowl. Oil collected in the filter bowl can then be drained and reused.

Our disposable Borosilicate Microfiber Filter elements are specifically designed for all vacuum exhaust application. The filters have an efficiency rating of 99.99% at 0.03 micron and are designed to have an initial dry pressure drop of less than 2 psi when sized correctly.



# List of Leading Clients



## Our Products @ a Glance

### Filter Cartridges

- PP Filter Cartridges :
  1. PP Spun Filter Cartridge
  2. PP Wound Filter Cartridge
  3. PP Pleated Filter Cartridge
  4. PP Open Pleat Filter Cartridge
- Stainless Steel Filter Cartridge:
  1. SS Sintered Filter Cartridge
  2. SS Pleated Filter Cartridge
- Membrane Absolute Filter Cartridge:
  1. PTFE Filter Cartridge
  2. PES Filter Cartridge
  3. Nylon membrane Filter Cartridge
- Coalescing Filter Cartridge For Air & Gas
- Hydraulic Filter Cartridge
- Activated carbon filter cartridge
- Borosilicate Glass Fiber Filter Cartridge
- Dessicant breather filter
- Microglass fiber filter cartridge
- Activated Carbon Filter Cartridge
- Compressed Air Or Gas Filter
- Cellulose Dust Collector Filter Cartridges
- High Efficiency Polyester Dust Collector Cartridge

### Filter Pads

1. Carlson high flow filter pads
2. Cellulose Filter Pads
3. Demister Pads
4. PP Filter Pads

### Filter Bags

1. PP/ PE Filter Bag
2. Dust Collectors Filter Bag
3. High Temperature Filter Bag

### Filter Housings

1. PP Bag filter housing
2. PP Cartridge filter housing
3. SS Bag Filter housings
4. SS Multi Bag Filter Housing
5. SS Single cartridge filter housing
6. SS multi cartridge filter housing
7. SS Vent filter housing

### Duplex Filters

1. Duplex Basket Strainer
2. Duplex Cartridge Filter
3. Duplex Bag Filter

### Filter Holders

1. 47 mm Vacuum filter unit glass
2. 47 mm Vacuum filter unit Stainless Steel
3. 47mm pressure filter holder
4. Pressure filter holders with reservoir
5. SS membrane pressure filter holders

### Filter Papers:

1. Whatman equivalent filter paper
2. CN Membrane filter paper
3. Microglass fiber filter paper
4. NN membrane filter disc
5. pH Indicator Paper
6. PTFE membrane filter disc
7. Qualitative Filter Paper
8. Seed germination paper

### • SS Syringe Filter Holder 25 And 13 Mm.

### • Capsule Filter

### • Silica Gel

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AN ISO 9001: 2015 COMPANY