Filter Out your Problem

TECHNO - FILT

INTERNATIONAL

MFG by : **Techno - Filt International**

ABOUT US

We are Industrial Filter, Cartridges Filter, **Filter Cartridges**, Polypropylene Spun Filter, Resin Cartridge Filter, S.S. Cartridges, Sintered Powder Cartridge, Pleated Cartridges, Pleated Polypropylene Cartridge and PTFE Cartridge Manufacturers from India, Ahmedabad [Gujarat].

Industrial Filter - Industrial Filter Manufacturer, India.

PRODUCTS

Cartridges Filter

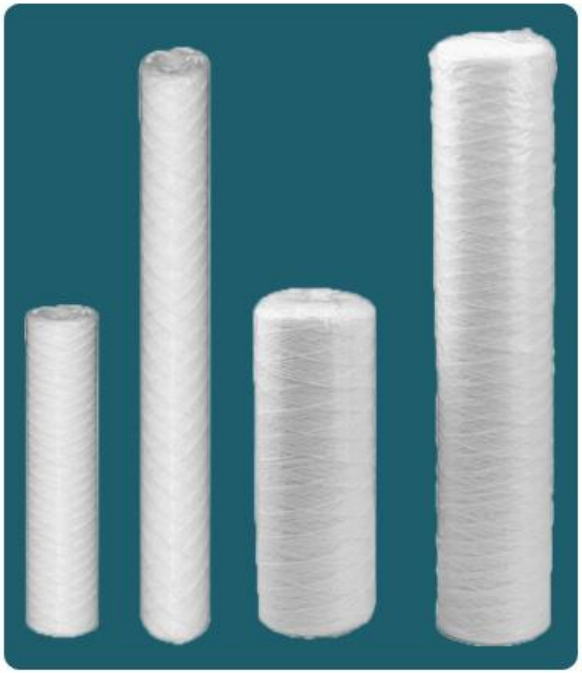
Wound Filter

Polypropylene Spun Filter

Resin Cartridge

PRODUCTS

Cartridges Filter - Wound Filter



Length in inches - 10, 20, 30, 40 & 9 ¾ , 19 ½ , 29 ¼ , 39.

Micron rating - 0.5, 1, 3, 5, 10, 25, 50, 100 & 150

PRODUCTS

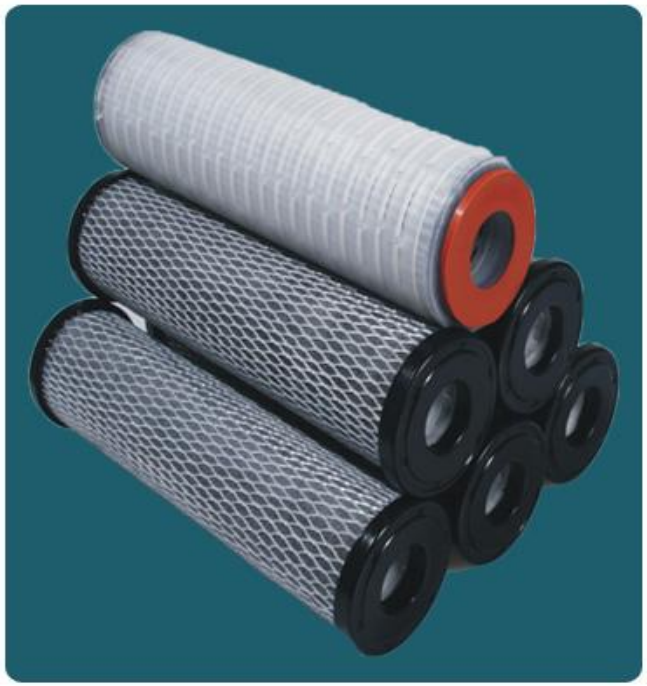
Cartridges Filter - Polypropylene Spun Filter

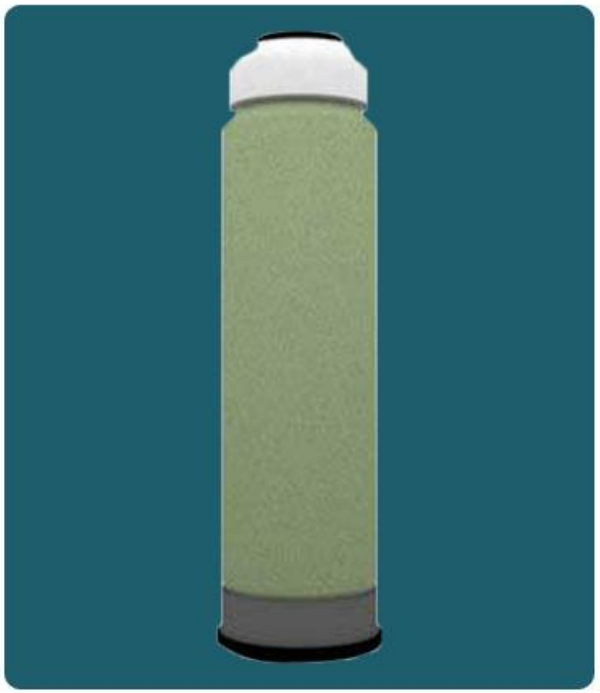
Length in inches - 10, 20, 30, 40 & 9 ¾ , 19 ½ , 29 ¼ , 39.

Micron rating - 0.5, 1, 3, 5, 10, 20, 50 & 100

PRODUCTS

Cartridges Filter - Resin Bonded Cellulose Filter





Length in inches - 10, 20, 30, 40 & 9 ¾ , 19 ½ , 29 ¼ , 39.

Micron rating - 1, 3, 5, 10, 25, 50, 100, & 150

PRODUCTS

Hydraulic Filter

A hydraulic filter consists of the element, the housing and additional accessories like by pass valve, contamination indicator, reverse flow valve etc. The housing is made up of the head and the bowl. The element consists of the internal body, the pleated star and the end plates. With only few exceptions, the fluid flows in filter -out- to- in.

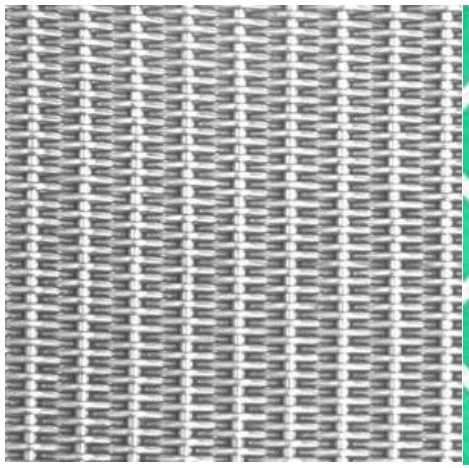
Website : www.industrialfilter.co.in

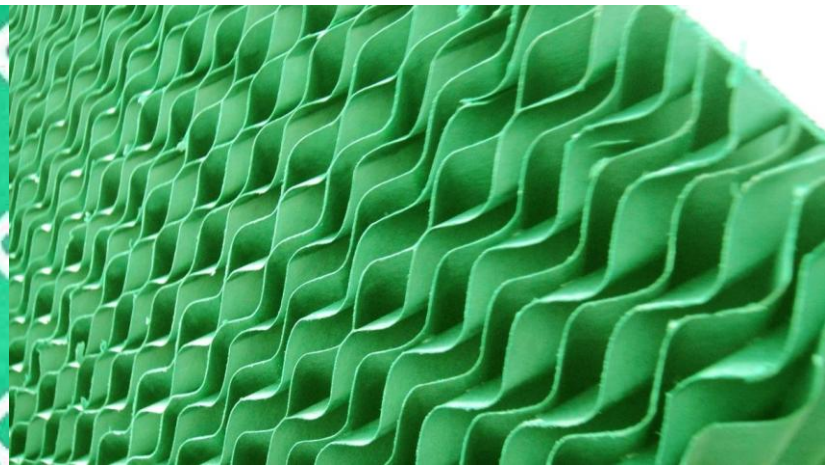
PRODUCTS

Filter Cartridge

The type of filter medium used is very important for the success of hydraulic fluid and lubricant filtration, particularly in the case of pressure line filters for the most part, the type of filter medium used are:

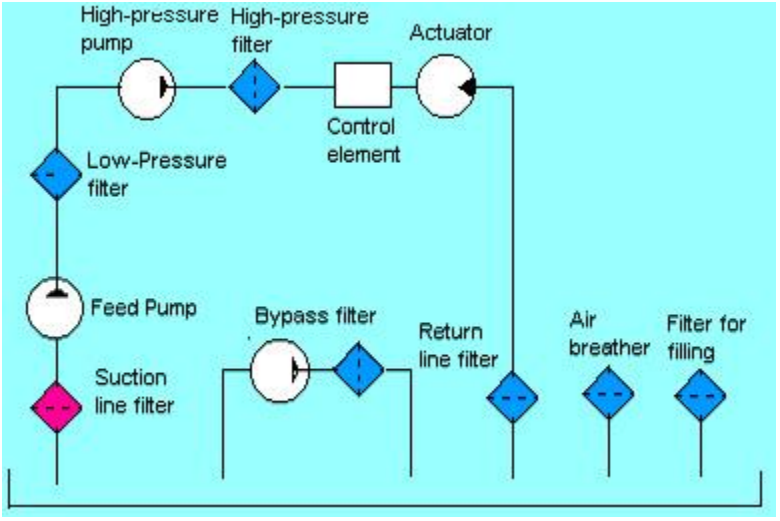
- Impregnated Cellulose Paper
- Micro fiberglass or
- S.S. Wire Mesh.





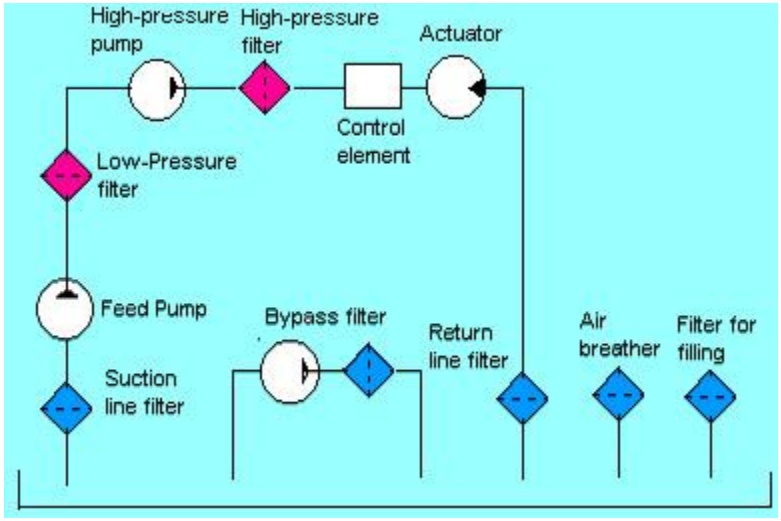
Suction Line Filter

Suction line filter are installed immediately upstream of the pump to protect the pump against all coarse contaminations. Since pumps are very sensitive to low pressure, large filter would have to be installed to prevent the increasing differential pressure at the filter from causing damage to the pump.



Pressure Line Filter

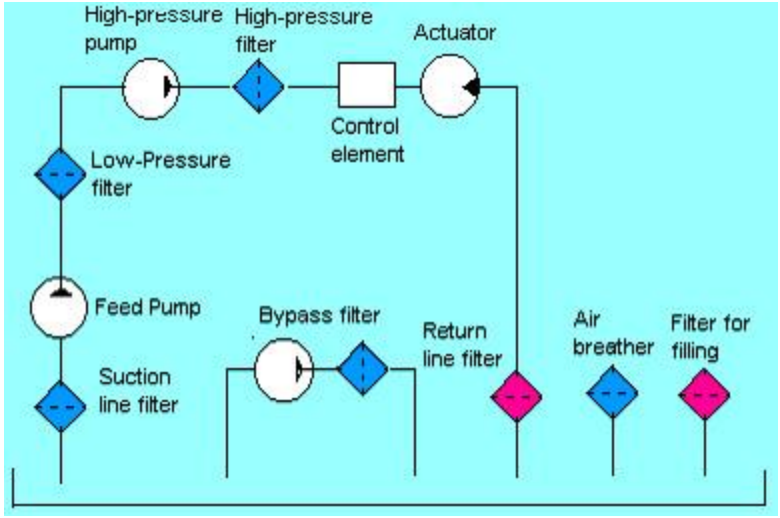
Pressure line filters must be installed downstream of the pump and pressure relief valve to protect upstream of the components. If systems dose not aloud interruption, we need to put duplex filter.



PRODUCTS

Return Line Filter

Return line filters are those filters, which are installed in the lines leading back to the tank. The filter head is permanently mounted to the tank and the outlet port of the filter projects into the tank itself.



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PRODUCTS

Duplex Filter

For un-interrupted operations, duplex filters are required in hydraulic system. This is a sat of filter connected with inter connecting valves to keep one as a stand-by and one filter in operation.

Air Breather Filter

Spin-On Cartridge

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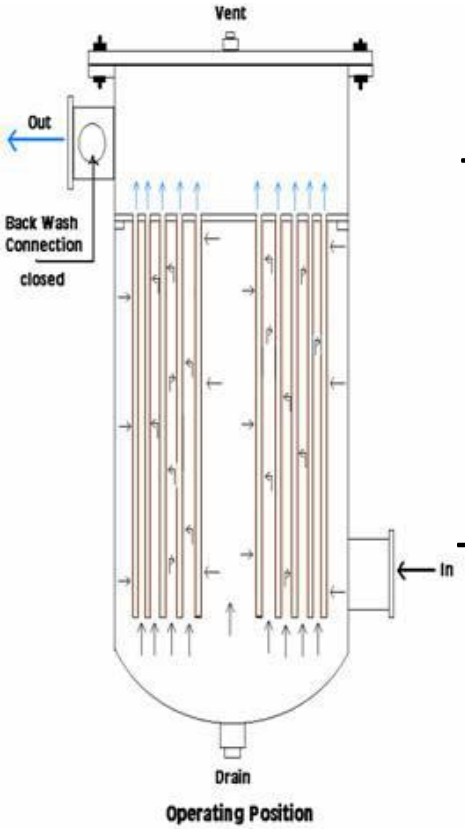
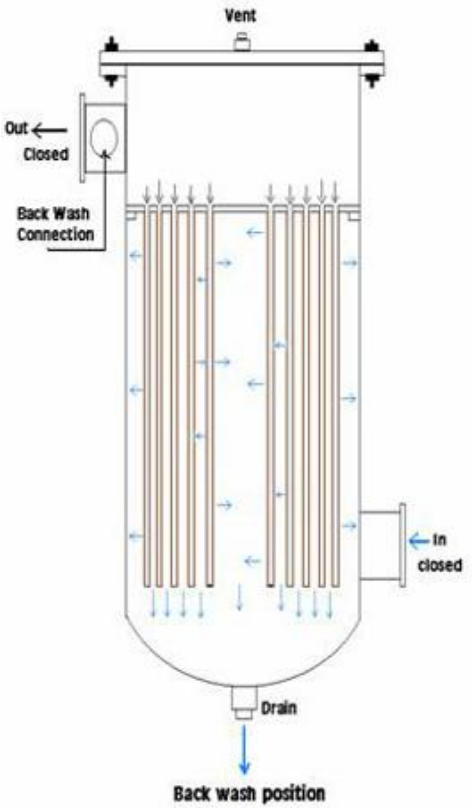
PRODUCTS

Backwashable Filter

The advantage of the design is - in built backwash by changing the valves and periodic manual cleaning is always possible.

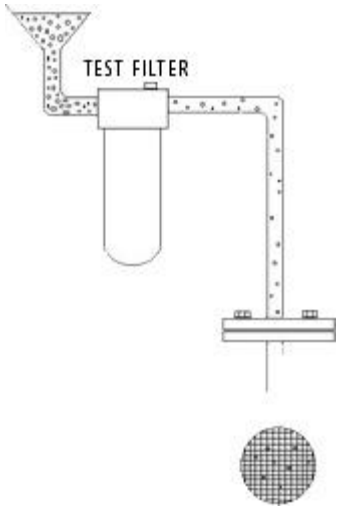


This is multi cylinders design filter. The cartridge assembly is made up of 10 cylinders inserted in each other from bigger to smaller diameter. The cylinders are connected with nearest cylinder with top and bottom color. Top and bottom colors are connected with 3 rods.



Efficiency of Filtration

GLASS BEAD TEST



BUBBLE POINT TEST

$$\P P = \frac{2s}{r}$$

Where ¶P = differential pressur

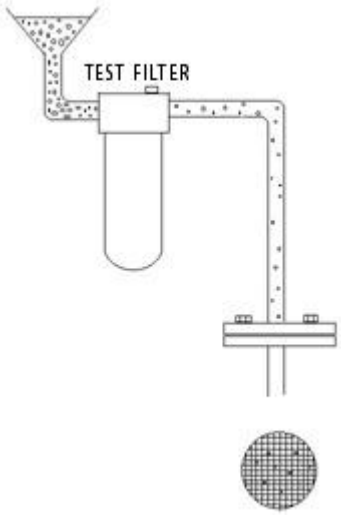
s = Surface tension

$$\P P = \frac{Ks}{r}$$

s = surface tension

r = pore size

MULTIPASS TEST (ISO 4572)



PRODUCTS

Basic Filtration

Basic difference between Micro filtration, Ultra filtration & R.O:

0.0001mm		0.001mm		0.2mm		10mm*
1A0	<---------->	10A0	<---------->	200A0	< ---------->	100,000A0
	Reverse Osmosis			Ultra Filtration		Microfiltration

- mm – Micron
- Smallest pencil dot, which we can see by necked eye, is about 40mm.
- Relative comparison

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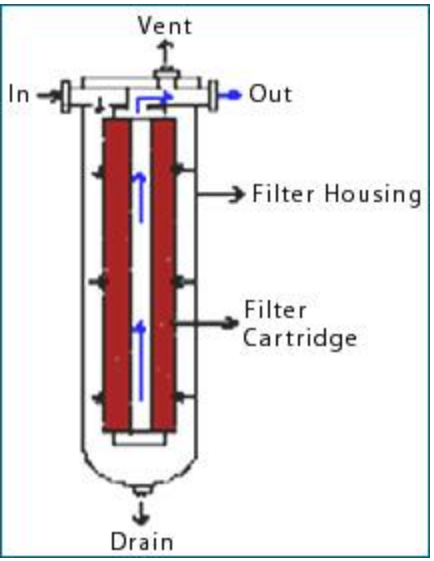
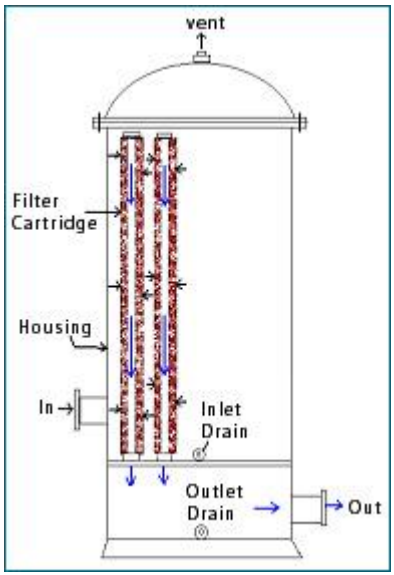
PRODUCTS

Basic Filtration

Micro Filtration (Cartridge Filter)



Filtration for the removal of suspended particles from the range of 0.2 mm to 100 or 150 mm is generally known as micro filtration or cartridge filter. This is pressure filter in line as shown in the picture.



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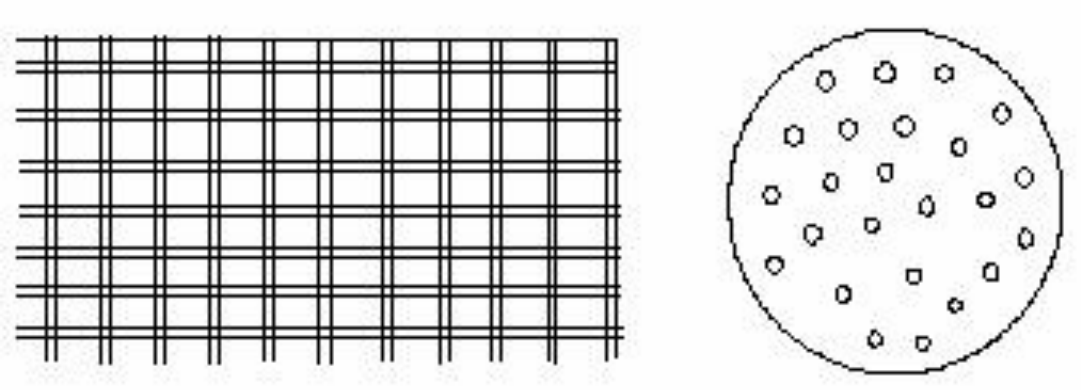
PRODUCTS

Basic Filtration

Surface Filter

Filter media where the pores are within the same 'Plane' i.e. Screen or Surface filter as shown in the picture here.



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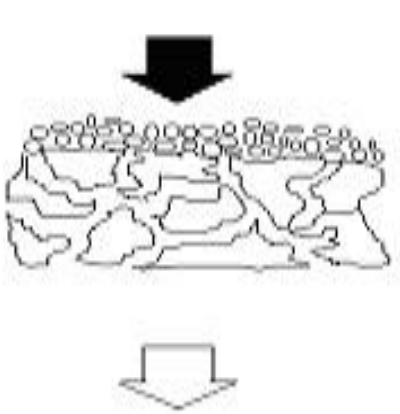
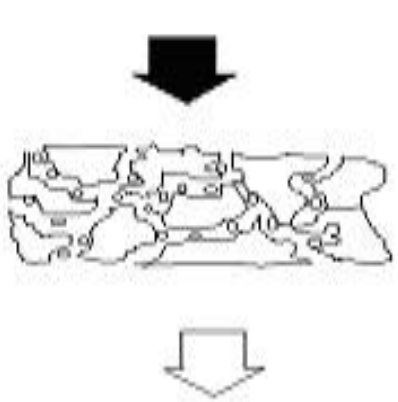
PRODUCTS

Basic Filtration

Depth Filter

Filter media where the pores are distributed throughout the thickness of the medium. Particles are stopped both on the upstream surface and within the medium.





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PRODUCTS

Basic Filtration

Standard Cartridges

Generally cartridges are avaliable as per international standard in 10", 20", 30" and 40" length cylinders. O.D. of the cartridge is approx 70mm and I.D. is 25 mm. They are available in different end connections like Double Open End - "RF Style, Double Open end with Gasket, Code -7 type, Code -9 type etc.... Generally cartridges can classified as pleated or depth type.

PRODUCTS

Basic Filtration

Pleted Cartridge

in pleated cartridges , actual filter media is in pleated from to cover more surface area. It is pleated on perforated core. It is supported with any other media, which is coarser to give minimum pressure drop and good strength to the cartridge. Outer cage is provided to give mechanical strength to the cartridge.

Most precise filter elements for guaranteed removal efficiency is pleated polymer cartridges.

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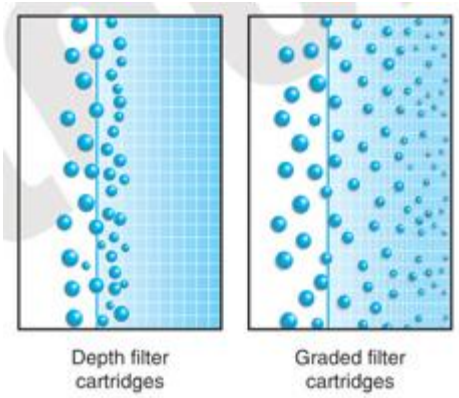
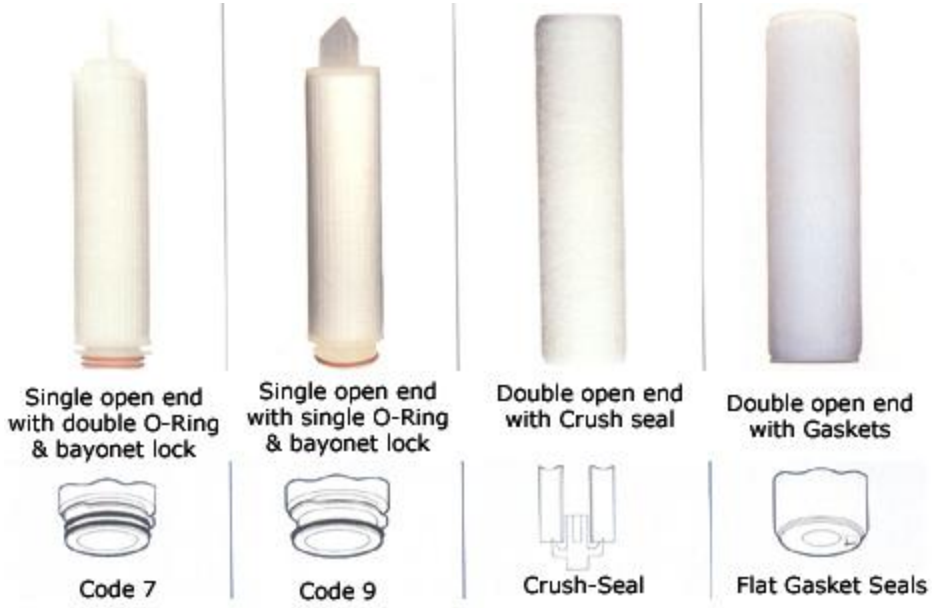
Basic Filtration

Depth Cartridges





Basic Filtration

Filter Selection & Sizing

Following parameters are to be considered for selection of the filter :

- Fluid to be filtered
- Flow rate
- Filtration rating (Micron - Cut off)
- Operating Pressure
- Operating temperature
- Viscosity of the fluid at operating temperature
- Filter material (Chemical compatibility)
- Load of suspended particles
- Continuous or batch process - Batch size etc..

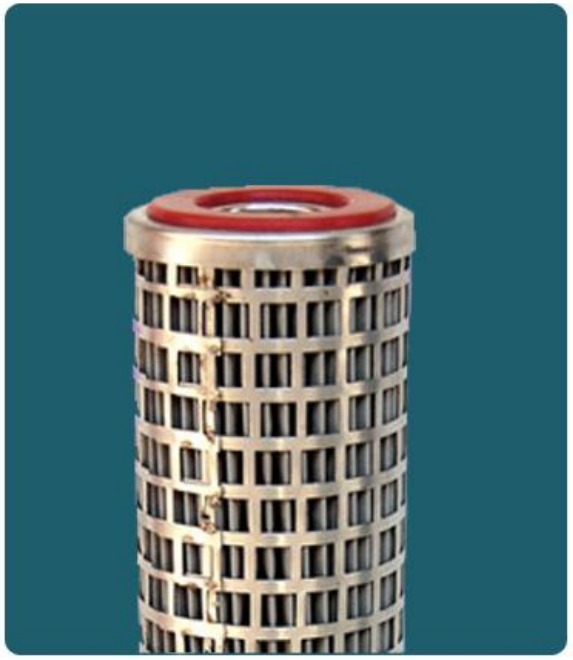
PRODUCTS

S S Cartridges

S.S. Cartridges -

S.S. Wire-Mesh - Cartridges

S.S. Filament - Cartridges

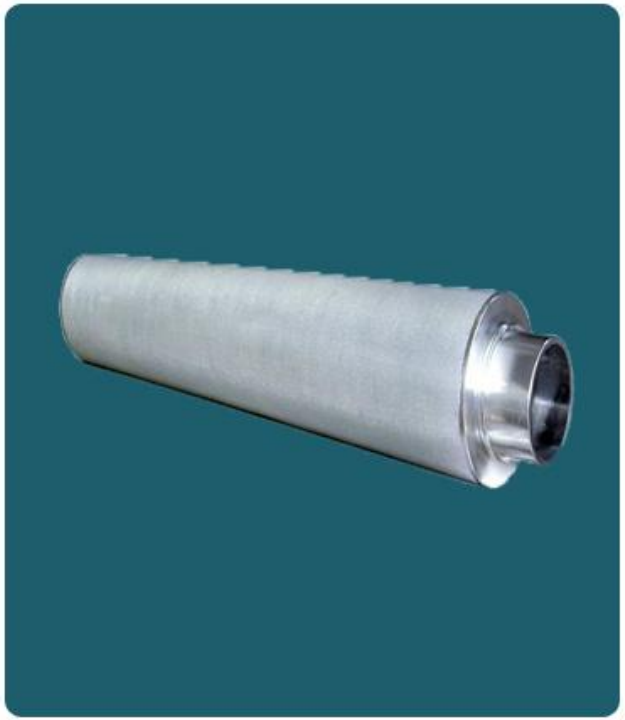


S.S. Sintered Powder Cartridges

PRODUCTS

S S Cartridges

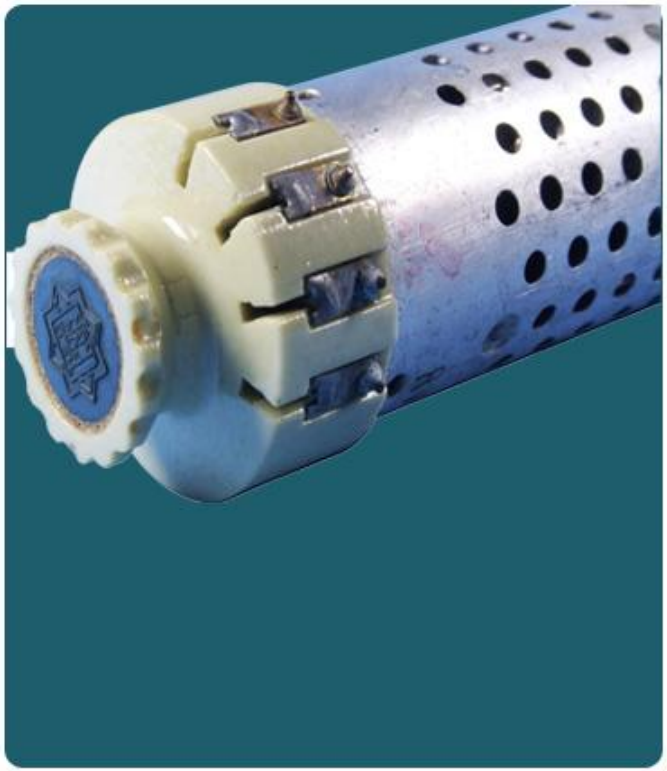
S.S. Wire-Mesh Cartridges



PRODUCTS

S S Cartridges

S S Filament Cartridges



PRODUCTS

S S Cartridges

Sintered Powder Cartridges

PRODUCTS

Pleated Cartridges

Pleated Polypropylene Cartridges

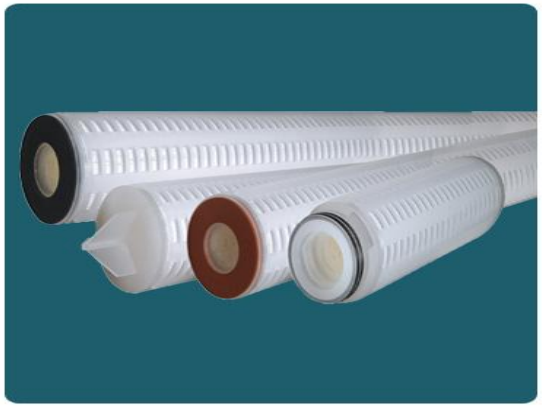
Polisi Phono Cartridges

PTFE Cartridge

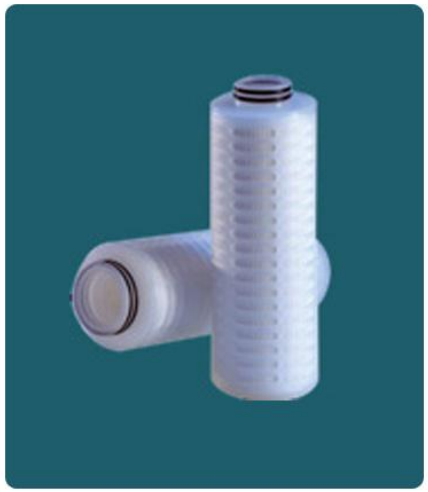
PRODUCTS

Pleated Cartridges

Pleated Polypropylene Cartridges



- Meets FDA requirements and can be in-situ sterilized.
- No surfactants or binder resins.
- High dirt capacity pleated depth filter cartridges.



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PRODUCTS

Pleated Cartridges

Polisi Phono Cartridges

- Steam sterilizable and sanitizable.
- 100% integrity tested cartridge before shipment.

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PRODUCTS

Pleated Cartridges

PTFE Cartridge

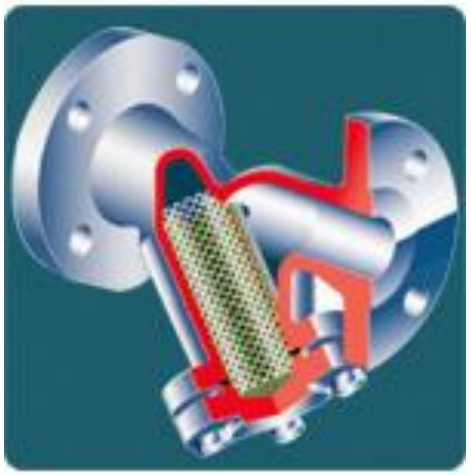
- Maximizes fermentation yields and lower operating costs.
- Total filtration area of 9.3 Ft2 (0.86 m2) gives high air flow rates.
- Extremely low extractables & excellent chemical compatibility.

Website : www.industrialfilter.co.in

PRODUCTS

Strainers

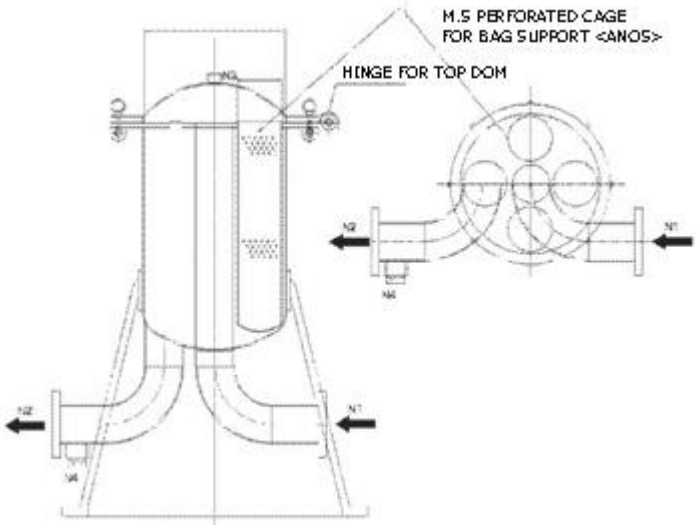
Strainer element can be made from epoxy joint, where temperature in not constrain. However for specific requirement [chemical compatibility and higher temperature applications], we can make complete S.S. strainer element in welding construction.

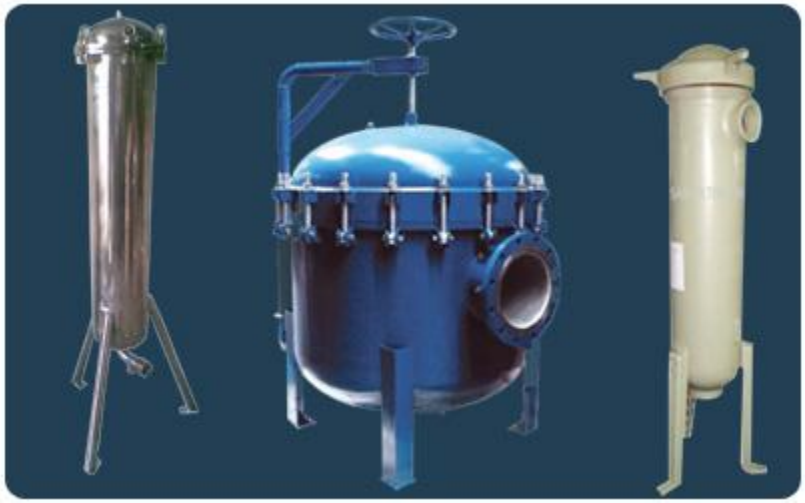


PRODUCTS

Bag Filter

- Economics is very important in almost all the area.
- When contamination level is high, it is better to use pre-filter.
- Bag filter is proven economical pre-filter. Many times it can be used as a final filter too.





PRODUCTS

Filter Housing

Single Bore Housings

Non Standard Multi Bore Housings

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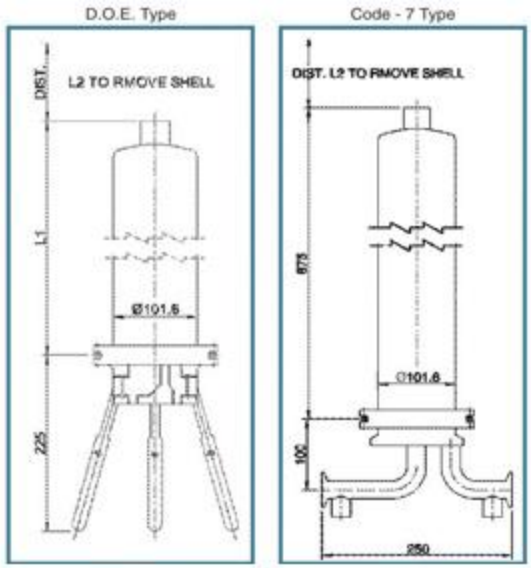
PRODUCTS

Filter Housing

Single Bore Housings



We design the filter housing considering above parameters and give the same in Polypropylene, Polycarbonate, C.S., M.S., M.S.R.L., S.S. 304, S.S. 316 and S.S. 316L depending on the process parameters.

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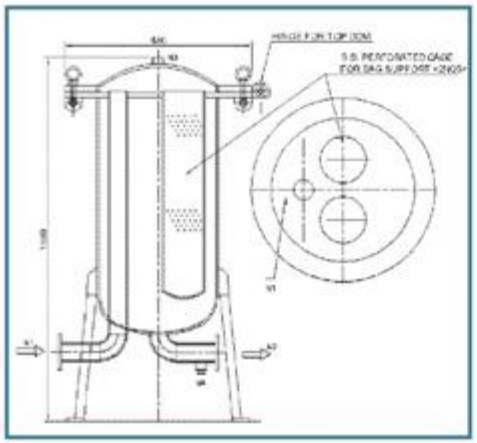
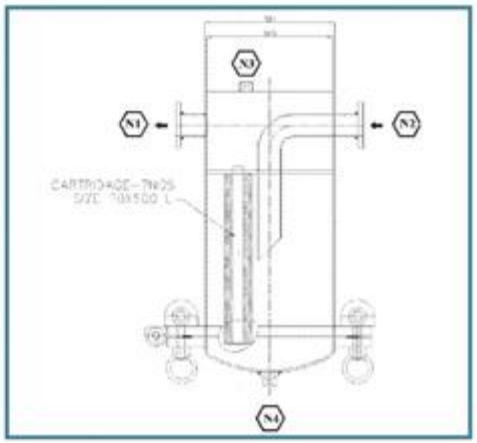
PRODUCTS

Filter Housing

Single Bore Housings

We design the filter housing considering above parameters and give the same in Polypropylene, Polycarbonate, C.S., M.S., M.S.R.L., S.S. 304, S.S. 316 and S.S. 316L depending on the process parameters.





CONTACT US

TECHNO - FILT

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THANK YOU