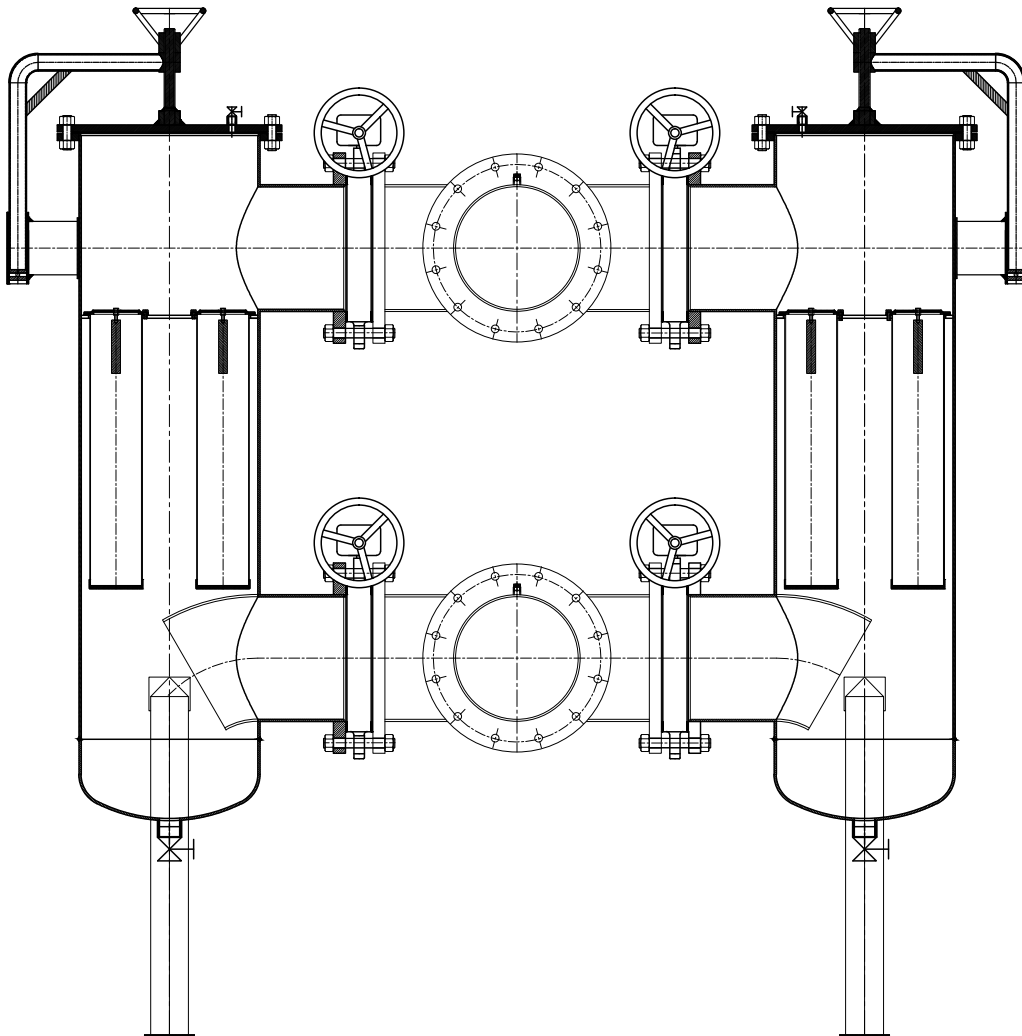


# INDUSTRIAL STRAINER & FILTERS



# DUPLEX BASKET FILTER



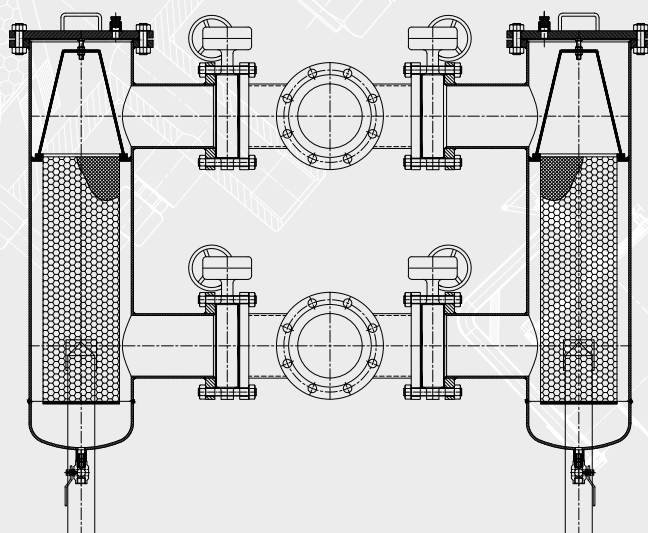
Duplex Basket Filter housing is generally used for separating coarse particles. It is used to retain particles of all sizes. Duplex Basket filter is constructed to have Inside to outside filtration capturing the particles inside the strainer element as well as outside to inside flow with considering the design parameters. The main parts of Duplex Basket filter are Filter Element, support ring, Internal perforated Element Support to assure prevent damage during high pressure drop across the filter during operation. The filtrate fluid can be collected at the outlet.



**ELEMENT**



**BUTTERFLY VALVE**



## ADVANTAGES

- Cleaned without shutting down the process
- continuous uses during basket change out
- Low pressure drop
- Easy to operate and maintenance
- High filtration efficiency
- Customized design available
- High dirt holding capacity
- Suitable for high pressure and temperature
- Eyebolt and tri clover for quick opening
- Multiple and Duplex with jacketed design

## APPLICATION

- Water Treatment Industries
- Chemical Industries
- Ink Paint and Dyes Industries
- Food Beverages and Dairy
- Refineries & petrochemicals
- Paint shop
- Cement & fertilizers Industries
- Steel & Textiles Industries
- Cooling towers & Automobiles



### SIZE

1" To 24" & Above



### PRESSURE RATING

150# To 600#



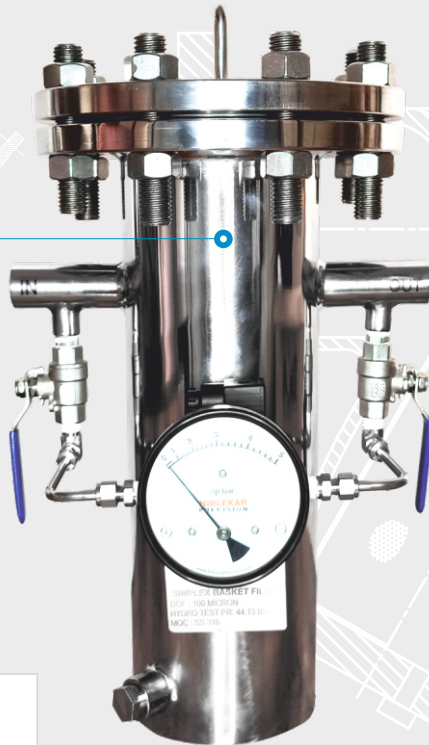
### MOC

MS, SS304/SS304L, SS316/SS316L, Hastelloy, Nonferrous like Monel, Inconel etc.

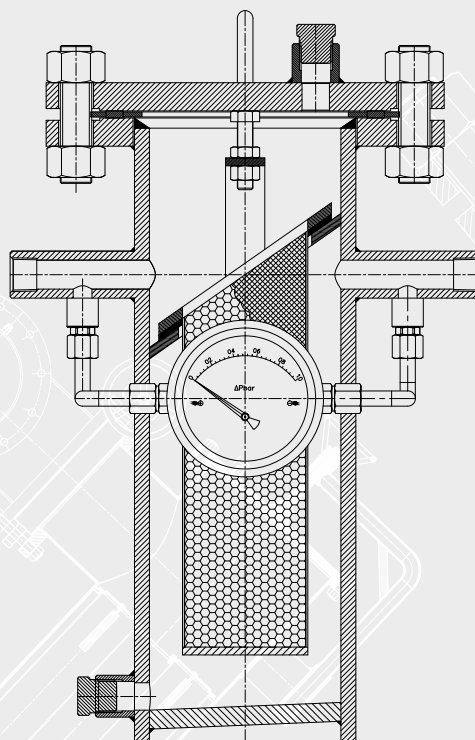
# SIMPLEX BASKET FILTER



Simplex Basket Filter housing is generally used for separating coarse particles. It is used to retain particles of all sizes. Simplex Basket filter is constructed to have inside to outside filtration capturing the particles inside the strainer element as well as outside to inside flow with considering the design parameters. The main parts of Simplex Basket filter are Filter Element, support ring, Internal perforated Element Support to assure prevent damage during high pressure drop across the filter during operation. The filtrate fluid can be collected at the outlet.



**ELEMENT**



## ADVANTAGES

- Low cost compared to Duplex Basket Filter
- Low pressure drop
- Easy to operate and maintenance
- High filtration efficiency
- Customized design available
- High dirt holding capacity
- Suitable for high pressure and temperature
- Eyebolt and tri-clover for quick opening
- Multiple and Simplex with jacketed design

## APPLICATION

- Water Treatment Industries
- Chemical Industries
- Ink Paint and Dyes Industries
- Food Beverages and Dairy
- Refineries & petrochemicals
- Paint shop
- Cement & fertilizers Industries
- Steel & Textiles Industries
- Cooling towers & Automobiles

### SIZE



1/2" To 32" & Above

### PRESSURE RATING



150# To 600#

### MOC



MS, SS304/SS304L,  
SS316/SS316L, Hastelloy,  
Nonferrous like Monel,  
Inconel etc.

# SELF CLEANING FILTERS



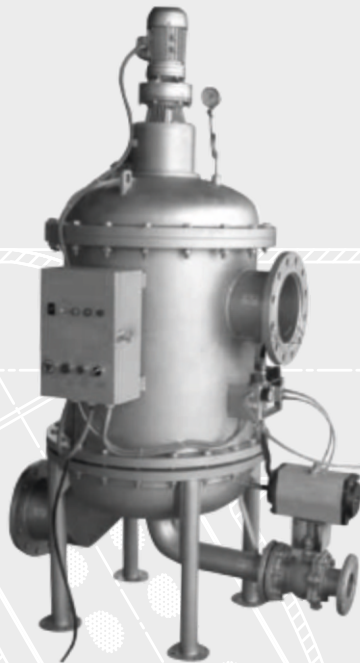
Self-cleaning filter are special systems that automatically get rid of clogged particles or dirt after a period of time. Once the filter holds or traps unwanted particles, it is set in such that it flushes or removes unwanted material.

## Features :

- 1) Reduction of operation cost .
- 2) Increase production capacity
- 3) Safety to use operators
- 4) Increase product quality .

## Application :

- 1) Paper Industry
- 2) Steel & Textiles Industry
- 3) Paint Shop
- 4) Food Beverages & Dairy



## TECH. SPECIFICATION

- Wedge wire design
- SMP france STR design
- Stampings design
- Four compartments - auto wash design

**SIZE**  
1/2" To 8" & Above

**MOC**  
MS, SS304/SS304L,  
SS316/SS316L, Hastelloy,  
Nonferrous like Monel,  
Inconel etc.

# SAND FILTERS

Sand filter are Valveless Auto Gravity Filter Work on syphon, hence automatic, No moving parts, hence less maintenance, No pumps, electricity, compressed air required, No scope for human error.

## Features :

- 1) Manual & Automatic feature are available.
- 2) Low Pressure Drop
- 3) Filter high quantity of water

## Application :

- 1) Removal Of Iron
- 2) Pre Filtration for membrane water
- 3) Treatment of waste water
- 3) Filter high quantity of water



## TECH. SPECIFICATION

- Gravity sand filters
- Pressure sand filters
- Valveless auto gravity filters, spares for all above

**SIZE**  
1/2" To 8" & Above

**MOC**  
MS+RL, SS304/SS316



# BAG FILTER HOUSING



Bag Filter housing is used for excellent filtration performance. Wide range of Fluid can be Filtered in the process industries and most ideal for high viscous fluid application. Bag filter is constructed to have Inside to outside filtration capturing the particles inside the bag but can also be design for Outside to inside flow with considering the design parameters (Specialized Process Design). The main parts of Bag filter are tube sheet, internal Cage Support to assure prevent damage to the bag during high pressure drop across the filter during operation. The filtrate fluid can be collected at the outlet.

**Magnetic Filters** We can also provide Bag Filter along with "Magnetic" to separate out base chips, scale with help of permanent magnets.

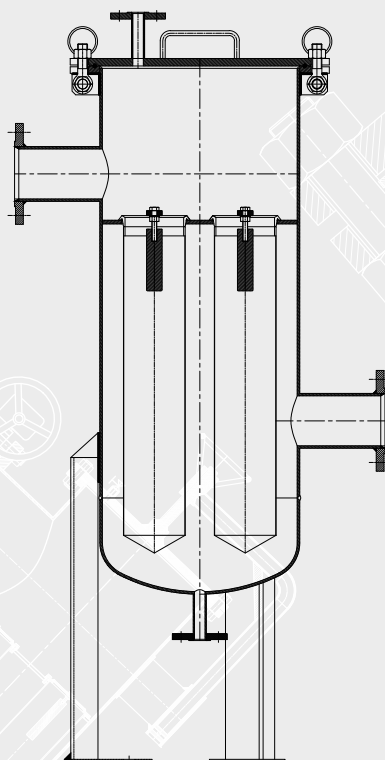
**Sealing :** Selected as per chemical compatibility of the application.

## End Connection :

- 1) Flanged
- 2) SMS and Dairy Connection
- 3) Threaded
- 4) Tri clover



PP BAG



## TECH. SPECIFICATION

- Flow rate capacity 2500 M<sup>3</sup>/Hr and above
- Single filter housing can accommodate 1- 20 nos.
- Bag Size Diameter:- 4", 7" and customized size
- Length of bags: 10", 17" 32" and customized size available on request)
- Pressure drop @ clean 0.05 Kg/cm<sup>2</sup> (g) and Change out pressure drop @ 0.8 Kg/cm<sup>2</sup> (g)

## APPLICATION

- Water Treatment Industries
- Chemical Industries
- Ink Paint and Dyes Industries
- Food Beverages and Dairy
- Refineries
- Paint shop
- Edible Oils
- Cutting Fluids

## BENIFITS

- Low pressure drop
- Easy to operate and maintenance
- High filtration efficiency
- Positive sealing to assure zero migration
- Customized design available
- High dirt holding capacity
- Suitable for high pressure and temperature
- Eyebolt and tri clover for quick opening



### SIZE

1/2" To 32" & Above



### PRESSURE RATING

150# To 600#



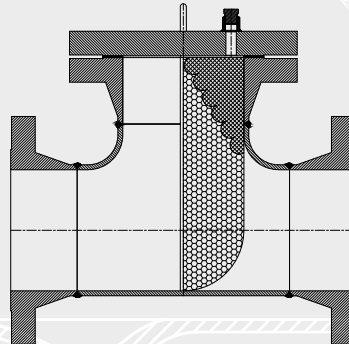
### MOC

MS, SS304/SS304L, SS316/SS316L, Hastelloy, Nonferrous like Monel, Inconel etc.

# T-TYPE, Y-TYPE, CONICAL STRAINERS & ELEMENTS



## T - TYPE STRAINER



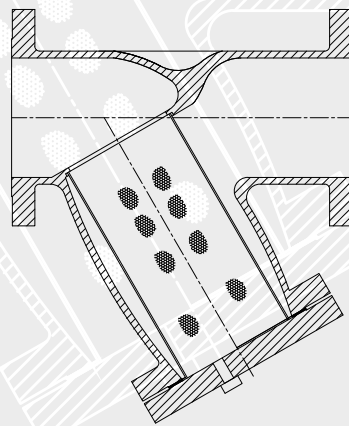
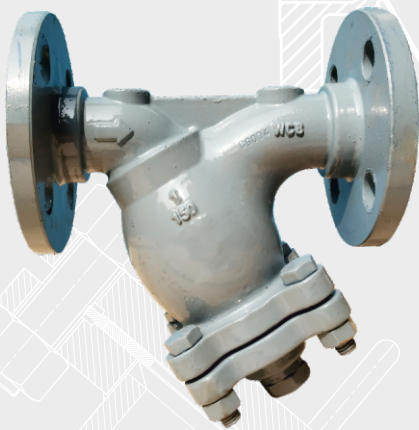
### ADVANTAGES

- Better Value for Initial costs
- Faster shipping times due to their status as set-times
- Quick opening drainage provision
- Offers more overall flexibility

### APPLICATION

- Water Treatment Industries
- Chemical Industries
- Ink Paint and Dyes Industries
- Food Beverages and Dairy
- Refineries & petrochemicals
- Paint shop
- Cement & fertilizers Industries
- Steel & Textiles Industries
- Cooling towers & Automobiles

## Y - TYPE STRAINER



### END CONNECTION

- Flanged
- SMS and Dairy Connection
- Threaded
- Socket Weld
- Tri clover

## CONICAL STRAINERS & ELEMENTS



### SIZE

1" To 24" & Above



### PRESSURE RATING

150# To 600#



### MOC

MS, SS304/SS304L,  
SS316/SS316L, Hastelloy,  
Nonferrous like Monel,  
Inconel etc.

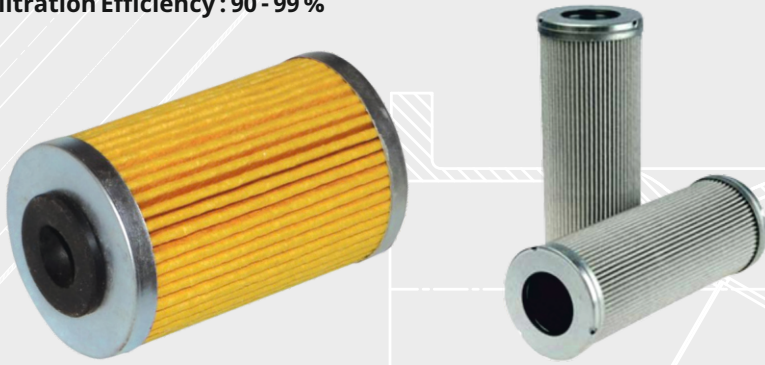
# HYDRAULIC AND LUBE OIL FILTER ELEMENTS



Hydraulic and lube oil filter are used for removing contaminant, oil moistures, droplets and provide the high quality oil used for the process. These filter element can be developed based on its requirement of different sizes and fitments. Common name to identify these filter are suction filters, return line filters, high pressure filters, oil filter units.

**Selection of configuration : Wrap round, Pleated configuration.**

**Filtration Efficiency : 90 - 99 %**



## APPLICATION

- Heavy earth moving machineries
- Hydraulic plants
- Power plants
- Refineries

## MICRON RANGE

- 1 to 100 Micron & above
- Retrofit equivalent to
- Repute Make available

## SELECTION OF MEDIA

- Synthetic Fiber
- Resin impregnated paper media
- Stainless Steel Wire mesh
- Cellulose Media (Oil paper media)
- Glass Fiber media.

## END CAP SELECTION

Galvanized Iron (GI)  
Carbon Steel  
Stainless Steel



## MOC

MS, SS304/SS304L,  
SS316/SS316L, Hastelloy,  
Nonferrous like Monel,  
Inconel etc.

# GAS & COMPRESSED AIR FILTER ELEMENTS

Gas & Compressed Air Filters elements are specially design under process design to remove the foreign particles such as dirt, iron, smokes, fumes, oil impurities. A complete three stage filter element can be offer :

- Pre filter (removing Dirt and foreign particles)
- High Efficiency Fine Filter (Removing Oil mist & Droplets)
- Carbon filter (Removing Odour)

**Selection of configuration : Wrap round, Pleated configuration.**

**Filtration Efficiency : 90 - 99 %**



## MICRON RANGE

- 0.01 to 100 Micron & above.
- Wide range of existing OEM filter element equivalent to Atlas Copco, kirloskar etc its retrofit can be offered.

## SELECTION OF MEDIA

- Synthetic Fiber Media plain
- Synthetic Fiber media with treatment
- Stainless Steel Wire mesh
- GI mesh
- Activated Carbon media
- Glass Fiber media.

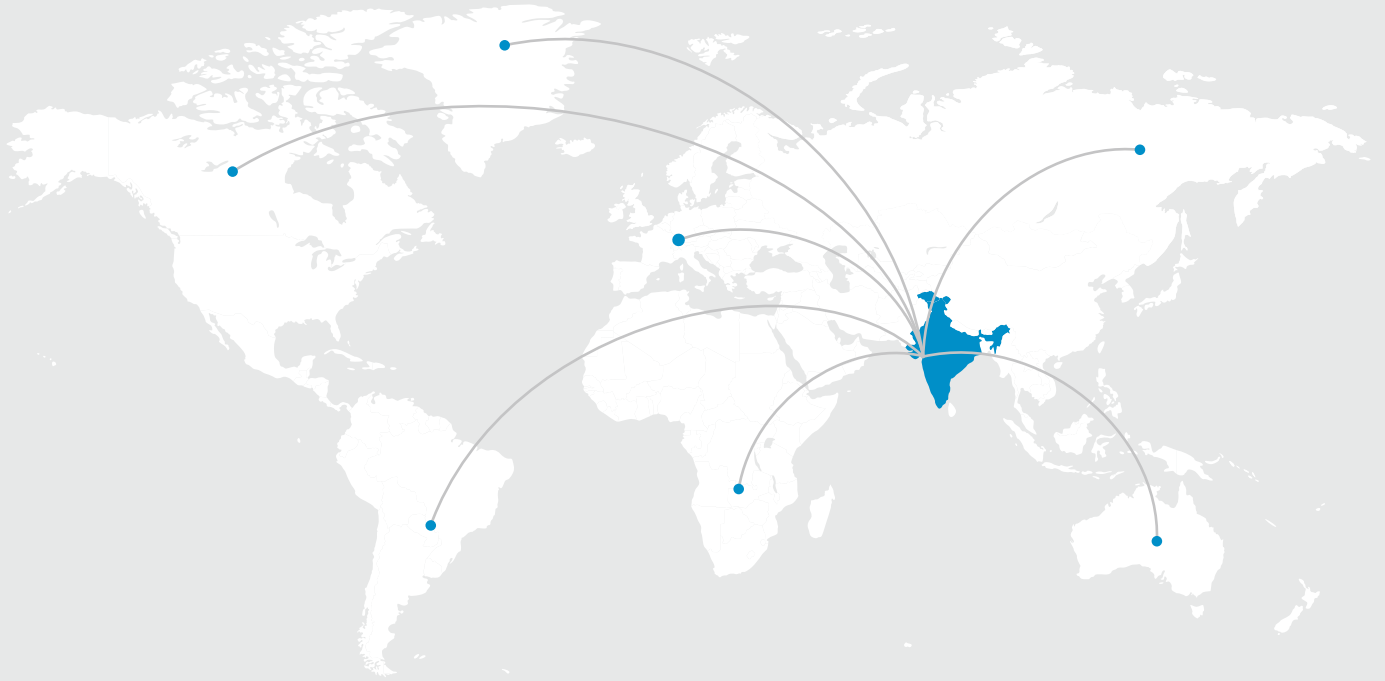
## END CAP SELECTION

Galvanized Iron (GI)  
Carbon Steel  
Stainless Steel



## MOC

MS, SS304/SS304L,  
SS316/SS316L, Hastelloy,  
Nonferrous like Monel,  
Inconel etc.



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