



- DUPLEX BASKET FILTERS / STRAINERS
- SIMPLEX BASKET FILTERS / STRAINERS
- SELF CLEANING FILTERS
- SAND FILTERS
- BAG FILTER HOUSING
- Y TYPE, T TYPE & CONICAL STRAINERS
- HYDRAULIC AND LUBE OIL FILTER ELEMENTS
- GAS & COMPRESSED AIR FILTER ELEMENTS

Duplex Basket Filter housing is generally used for separating coarse particles. It is use 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 perorated Element Support to assure prevent damage during high pressure drop across the filter during operation. The filtrate fluid can be collected at the outlet.

## Advantages

- 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
- 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

1) Fabricated design with MOC in A 106 / A53 / IS 2062 / AISI304 / 316 / 304L / 316L A 312 TP 304 / 316 / 304L / 316L / A 240 TP 304 Hastelloy, alloy 20, high / low temp. Alloys. Nonferrous like Monel, Inconel etc.

2) Cast Design

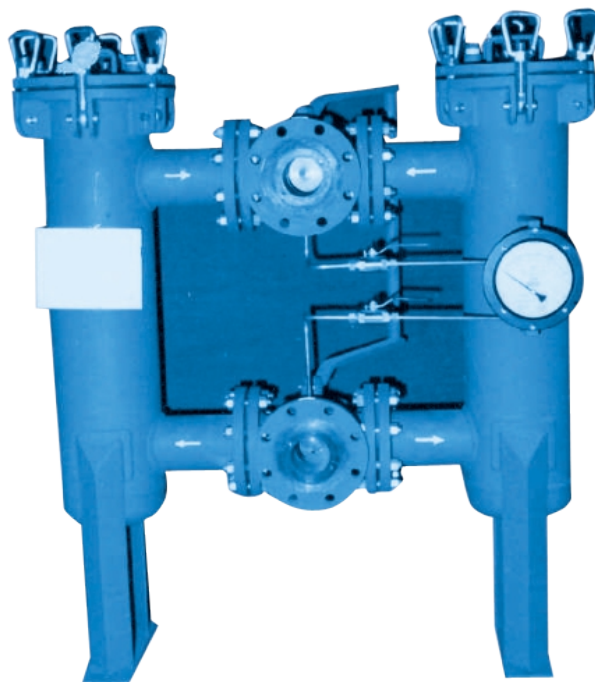
A 216 Gr. WCB / A351 Gr. CF8[M] CF3[M] A 217 Gr. C5 / WC6 / WC9 / A352 LCB ,LCC ,LC1 etc.

3) For duplex filters sizes up to 4" in 3 way ball valve design, common lever for change over

4) "6" & above in

a) Transfer Valve design | b) Butterfly Valve design | c) Header design

Fabricated / cast. Operation by pneumatic / electrical actuator, Used where down time is unavailable.



Simplex Basket Filter housing is generally used for separating coarse particles. It is use 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 perorated Element Support to assure prevent damage during high pressure drop across the filter during operation. The filtrate fluid can be collected at the outlet.

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## Technical Specification

- 1) Wedge wire design
- 2) SMP france STR design
- 3) Stampings design
- 4) Four compartments - auto wash design

Manual / Motorized. These filters are used for water, oil, Pulp, grease applications, element is provided with backwash arm. When element gets choked, diff. Pressure switch across the inlet / outlet gives a signal to the motor & drain gets opened simultaneously. The part of clean liquid goes in the reverse direction. Suitable where continuous flow is required. It can be supplied with control panel, motor, actuated drain valves, etc.



# SAND FILTERS

## Technical Specification

- 1) Gravity sand filters
- 2) Pressure sand filters
- 3) Valveless auto gravity filters, spares for all above

Valveless Auto Gravity Filters

1. Work on syphon, hence automatic.
2. No moving parts, hence less maintenance.
3. No pumps, electricity, compressed air required.
4. No scope for human error.



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**

## Technical 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)

## Benefits

- 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

## Application

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

## Multiple and duplex with jacketed design

### Material of construction

- Steel : Carbon Steel, Mild Steel
- Stainless steel : SS 304, SS 304L, SS316, SS316L Duplex Material 2205
- Lining on metals : Rubber lining, PTFE lining, FRP lining
- Non Metallic : Cpv, PP

### Sealing

- Selected as per chemical compatibility of the application

### End connection

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



- 1) 'Y' type cast / fabricated / forged
- 2) 'T' type fabricated / forged
- 3) Conical / Temporary, fabricated MOC in CS / SS / alloy steel / non - ferrous, CSEP/CSRL for housings and SS304 / 316 / 304L / 316L / MONEL / PP / Brass for element.  
(Also as per Customer Requirements)

## Technical Specification

- Flow rate capacity 5000 M<sup>3</sup>/Hr and above
- Multiple basket Strainer housing can accommodate 1- 10 nos.
- Double Cylinder strainer are used to increase the filtration area
- Pleated Configuration Element is also available
- Pressure drop @ clean 0.05 Kg/cm<sup>2</sup> (g) and Change out pressure drop @ 1.5 Kg/cm<sup>2</sup> (g)

## Material of construction

- Steel:- Carbon Steel, Mild Steel
- Casting: All grades available
- Stainless steel: SS 304, SS 304L, SS316, SS316L Duplex Material 2205
- Lining on metals;- Rubber lining, PTFE lining, FRP lining

## Sealing

- Selected as per chemical compatibility of the application

## End connection

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

## Application

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- Chemical Industries
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Hydraulic and lube oil filter are used for removing contaminant, oil moistures, droplets and provide the high quality oil used for the process. Theses 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.

### Application

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

### Micron range

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



### Material of construction

#### Selection of End caps

- Galvanized Iron (GI)
- Carbon Steel
- Stainless Steel

#### Selection of Media

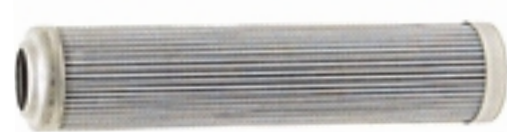
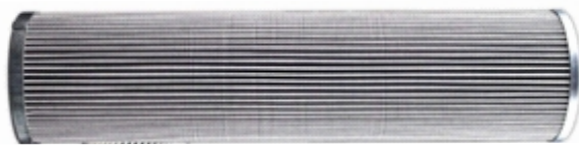
- Synthetic Fiber
- Resin impregnated paper media
- Stainless Steel Wire mesh
- Cellulose Media (Oil paper media)
- Glass Fiber media.

#### Selection of configuration

- Wrap round
- Pleated configuration

#### Filtration efficiency

- 90 - 99 %



# 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)

### Material of construction

#### Selection of End caps

- Galvanized Iron (GI)
- Carbon Steel
- Stainless Steel

#### Selection of Media

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

### 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.



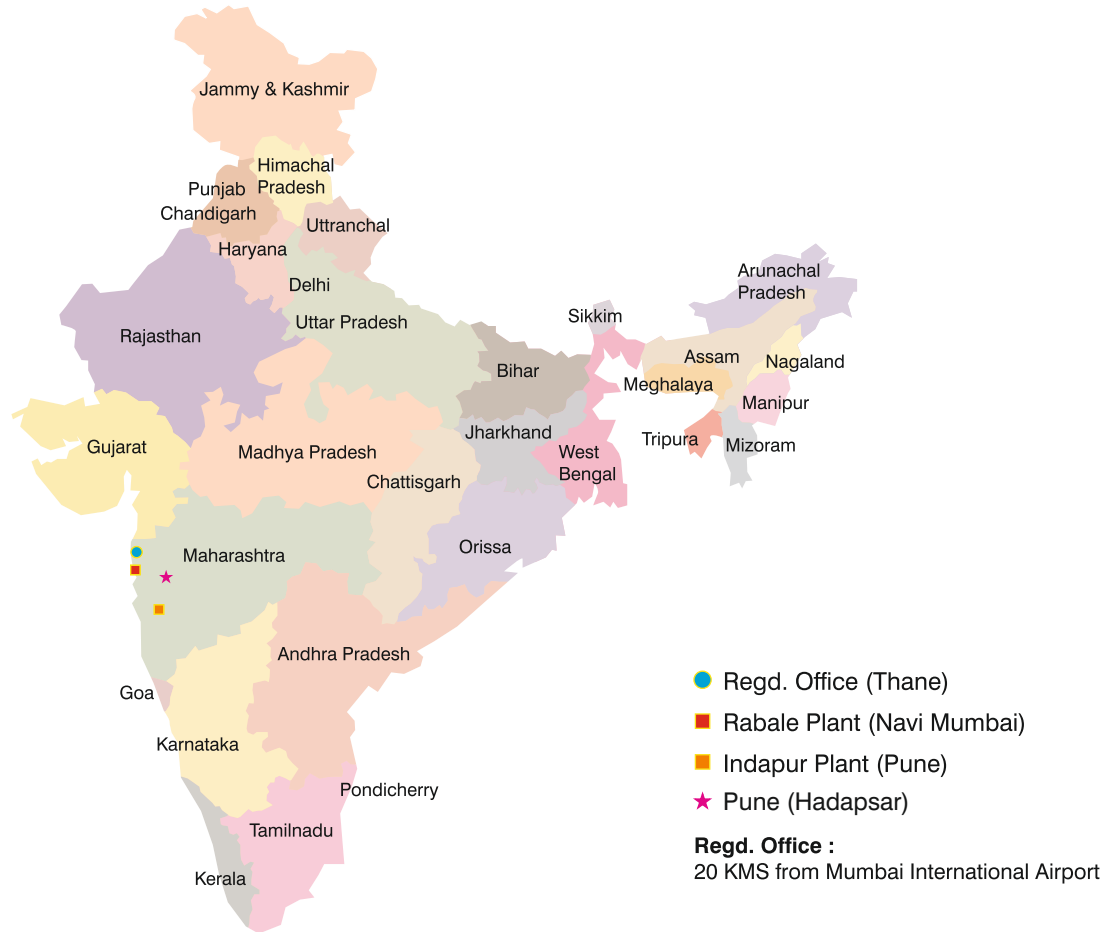
#### Selection of configuration

- Wrap round
- Pleated configuration

#### Filtration efficiency

- 90-99.99%

# Spraytech Location Map



#### Regd. Office (Mumbai) :

Spraytech House, Plot A-132, Road No. 23,  
Spraytech Circle, Wagle Indl. Estate,  
Thane (W) - 400 604.

Mumbai - Maharashtra, (India)

Tel. : 91-022-2582 8929 / 2735 / 2736

Fax : 91-022-2581 2861

E-mail :- [flowtechnology@spraytechindia.com](mailto:flowtechnology@spraytechindia.com)  
[flowtechnology1@spraytechindia.com](mailto:flowtechnology1@spraytechindia.com)  
[sales@spraytechindia.com](mailto:sales@spraytechindia.com)

#### Rabale Plant 1 (Navi Mumbai) :

Spraytech Systems (I) Pvt. Ltd.,  
Plot No.: R-513, MIDC, TTC Industrial Area,  
Rabale, Navi Mumbai - 400 701.

#### Rabale Plant 2 (Navi Mumbai) :

Spraytech Systems (I) Pvt. Ltd.,  
R-446, T.T.C. Industrial Area, MIDC Rabale,  
Navi Mumbai - 400 701.

#### Branch Office (Pune) :

White House, Survey no. 161, Near Bhosale  
Garden Hadapsar, Pune 411028.

#### Indapur Plant (Pune) :

Spraytech Systems (I) Pvt. Ltd.,  
Plot No.: A-5,  
Indapur Five Star Industrial Area,  
Village - Loni Devkar Balpudi,  
Tal. - Indapur, Dist. - Pune. - 413103