



# TFI<sup>®</sup> FILTRATION (INDIA) PVT. LTD.

## COMPANY PROFILE

**TFI Filtration (India) Pvt. Ltd.** enterprise headed by Technical person having experience in the field of filtration for 25 years and have got technical know-how on solving industrial filtration problems with techno-commercial benefits.

**TFIPL** initiated in 2006 and having exponential growth with new application and new customers.

**TFIPL** being a manufacturing & marketing company having Export to more than 25 countries

During the years we have been able to offer a perfect solution for Import substitute with effective filtration and cost economics.

**TFIPL** having a core capability in designing developing, Supplying a correct solution to filtration, Separation, Purification and cleanliness related application with the help of qualified and experienced engineers in production, sales & marketing quality.

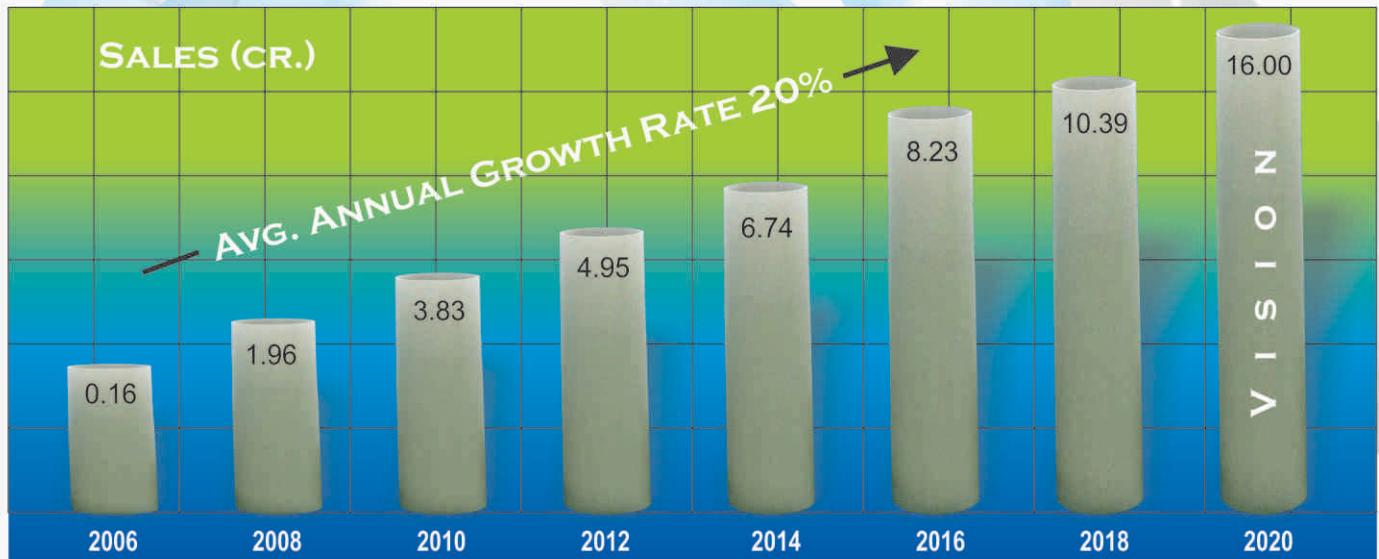
**TFIPL** as a company having a big motto of creating & converting as many application with cleanable & reusable kind of filter media, filter elements and filter systems in 100% welded construction offering excellent strength against damages caused to glued filter elements during back washing.

### Objectives :-

**TFIPL** is having an objective of reducing the disposal of one time used filter elements to protect the earth, air and water against pollution during burning of disposable filter elements.

**TFIPL** urges, Requests, Suggests and Recommend for cleanable and Reusable type Filters & Filter Systems.

**TFIPL** could successfully replace conventional filter cartridges i.e. ceramics & Sintered plastics in compressed air & Gas applications by offering minimum 10 times thinner cleanable & reusable filter media. This new development has resulted in a huge energy savings by lowest pressure drop. Finally **NET CASH SAVINGS** for new user.



For Purification, Clarification, Separation & Cleanliness

## DISPOSABLE FILTER ELEMENTS

**Micron rating** : 0.2, 0.45, 1, 2, 3, 5, 10, 20, 50, 100  
**Media** : PP, PTFE, Polyester, Glass Fiber, SS, Cotton, Acrylic Fiber, Cellulose melamine, Nylon, Polyethersulphone, PBT, Sintered PP, Sintered PTFE, Inorganic Paper & Many more  
**Diameter** : 2.5", 4" & customised  
**Length** : 2.5", 5", 10", 20", 30", 40", 50" & customised  
**Core** : PP, SS304, SS316 or Coreless  
**End connection**: DOE, SOE, CODE II, CODE VII, PUSH FIT, TC end and customised



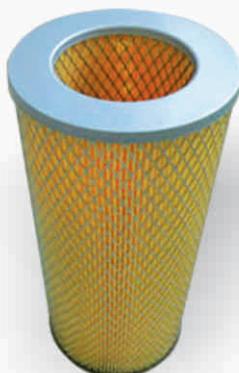
Push fit Filter



Capsule Filter



Spin Finish oil Filter



Air Filter



Hydraulic Oil Filter



Suction Air Filter



Paper Filter



CODEVII  
PP/ PTFE Pleated



DOE



Cellulose Melamine



Sintered PP



Yarn Wound



Spun Bonded



Pleated Filter



Resin Bonded



## CLEANABLE & REUSABLE FILTER ELEMENTS

**Micron rating** : 0.2, 0.45, 1, 2, 3, 5, 10, 20, 50, 100 & customised  
**Media** : SS304 wire mesh, SS316L wire mesh, Sintered SS316L Non-woven Fiber, Sintered SS316L powder, Sintered Bronze, Sintered Ceramic, Sintered Monel 400, Sintered Inconel, Sintered Hastalloy C276, Sintered SS316L Multilayer, Duplex 2205, Wedge wire  
**Diameter** : 14 mm, 25 mm, 38 mm, 50 mm, 64 mm, 76 mm, 100 mm and customised  
**Length** : 2.5", 5", 10", 20", 30", 40", 50" and customised  
**Sealing** : Silicon, Viton, PTFE, CAF, Nitrile, Neoprene etc.  
**End connection:** DOE, SOE, CODE II, CODE VII, PUSH FIT, TC end and customised



Sintered Powder Filter Cartridges



Sintered Bronze Filter Cartridges



Wire Mesh Filter Cartridges



Sintered Sparger Filter Cartridges



Micro Perforation Filter



Sintered Multi Layer Mesh Filter



Sintered Filter Disc



Knitted Mesh Pack



Sintered Ceramic

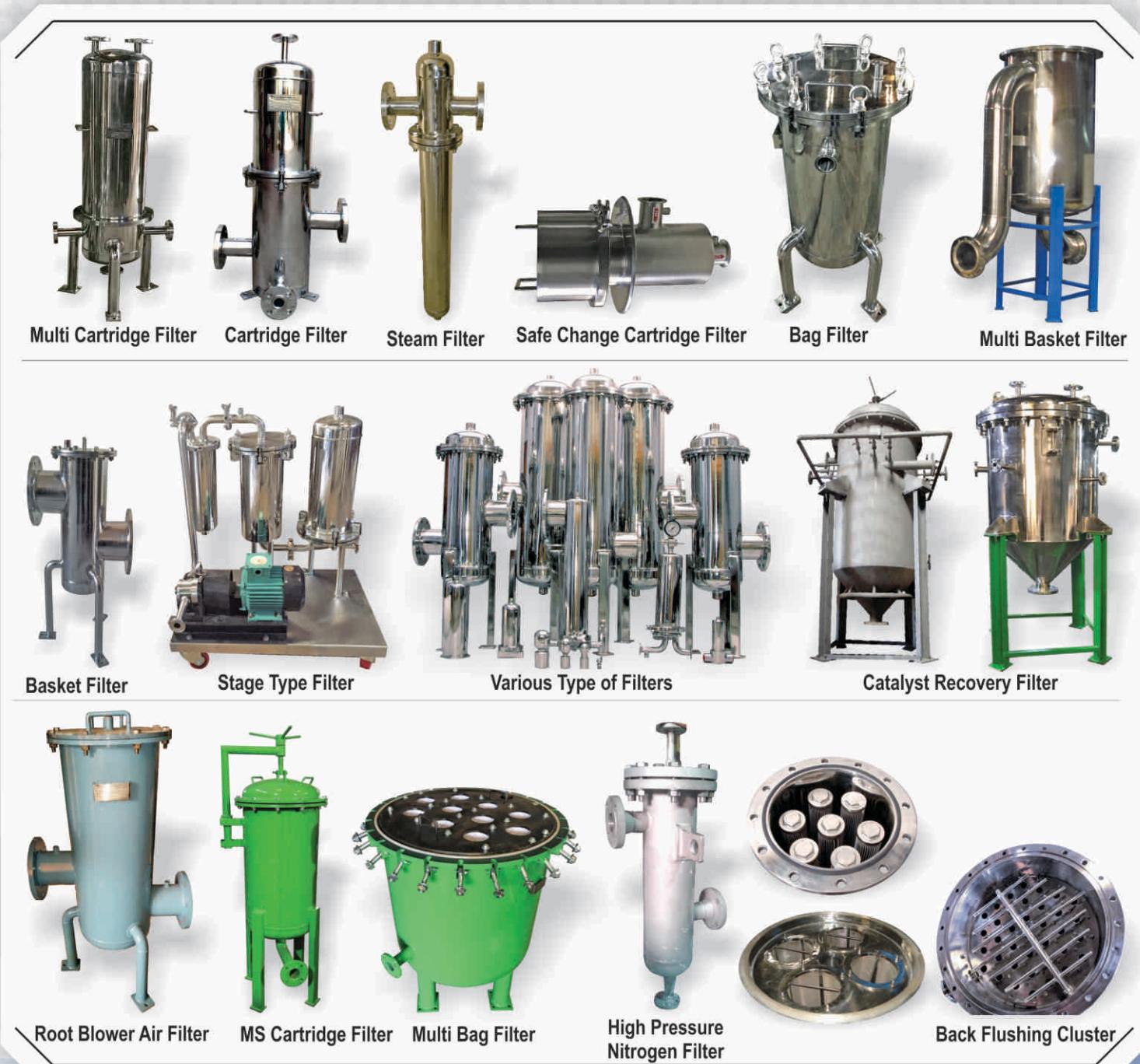


Wedge Wire Filter



## METALIC FILTER HOUSING

<b>MOC</b>	: CS, SS304, SS316L, SS904L, Duplex 2205, Hastalloy C276, Monel 400, Inconel & Many more
<b>End connection</b>	: Threaded end, Flanged end, Tri-clover end, SMS union
<b>Pressure rating</b>	: 0.5 Kg/cm <sup>2</sup> to 200 Kg/cm <sup>2</sup> & customised
<b>Flow capacity</b>	: 200 LPHR to 1000 m <sup>3</sup> /hr. & customised
<b>Length</b>	: 2.5", 5", 10", 20", 30", 40", 50" and customised
<b>Shell size</b>	: 65 mm OD to 2000 mm OD & customised
<b>Type</b>	: Bag Filter, Cartridge Filter, Basket Filter, Bucket Filter, Strainer, Self Cleaning Filter, Catalyst Recovery Filter, Safe Change Filter, BIBO Filter, Backwash Type Filter, Magnetic Filter, High Pressure Filter



## NON - METALIC FILTER HOUSING

<b>MOC</b>	: PP, PFA, PTFE, PP+FRP, FRP+FRV, MS/SS+PP lining, MS/SS+PFA lining
<b>End connection</b>	: Flanged end
<b>Pressure rating</b>	: 0.5 kg/cm <sup>2</sup> to 15 kg/cm <sup>2</sup>
<b>Flow capacity</b>	: 200 LPHR to 1000 m <sup>3</sup> /hr. & Customised
<b>Length</b>	: 2.5", 5", 10", 20", 30", 40" & Customised
<b>Shell size</b>	: 65 mm OD to 2000 mm OD & Customised
<b>Type</b>	: Bag Filter, Cartridge Filter, Basket Filter, Bucket Filter, Strainer, Non Metallic Filter,



Two Stage  
MS + PP Lined Filter



Singal Stage  
MS + PP Lined Filter



Multi Bags  
MS + PP Lined Filter



Multi Cartridge  
MS + PP Lined Filter



PP + FRP  
Bag Filter



PP Cartridge  
Filter



PFA Lined  
Cartridge Filter



FEP Lined  
Cartridge Filter



PFA Lined  
Bag Filter



FEP Lined  
Bag Filter



Acidic Cartridge Filter



PVDF "T" Strainer



PP "Y" Strainer



PTFE Filter Strainer



PTFE Filter Bags Assembly



MS + PFA Coated Cartridge Filter



## DUST COLLECTOR FILTER SYSTEMS & CARTRIDGES / BAGS

<b>MOC</b>	: Polypropylene, Polyester, Keramal, Polyaramid, Acrylic, Homo-polymer, Glass Fiber, Ryton, PTFE, SS316L & customised
<b>Fabric treatment</b>	: Antistatic, PTFE coating, PTFE lamination, Graphite coating, Silicon.
<b>End connection</b>	: Flanged end, Snap Band, Collar, Ring Type, Three Lock Type etc.
<b>Pressure rating</b>	: 0.5 kg/cm <sup>2</sup> to 15 kg/cm <sup>2</sup> & customised
<b>Flow capacity</b>	: 50 m <sup>3</sup> /hr To 1,00,000 m <sup>3</sup> /hr & customised
<b>Length</b>	: 5", 10", 20", 30", 40" & customised
<b>Micron rating</b>	: 0.5, 1, 3, 5, 10, 20 etc.



Dust Collection Cartridge Filter System



Dust Collection Bag Filter System



Dual Cyclone



3 Lock / Flange Type Dust Collector Filter Cartridge



Cassette Filter



Dust Collection Filter Cartridge



Dust Collection Filter Cartridges



Dust Collection Filter Bags



Dust Collection & Liquid Filter Bags





## BIBO FILTER SYSTEM & PANEL AIR FILTERS

<b>MOC of media</b>	: Polypropylene, Polyester, HDPE, Nylon, Glass Fiber, SS304, SS316L, Synthetic Fiber, Activated Carban
<b>MOC of housing</b>	: SS304, SS316L, G.I., MS powder coated, Aluminium
<b>End connection</b>	: Flanged end, Box type VEE-BANK
<b>Pressure rating</b>	: 0.5 kg/cm <sup>2</sup> to 3 kg/cm <sup>2</sup>
<b>Flow capacity</b>	: 50 m <sup>3</sup> /hr To 1,00,000 m <sup>3</sup> /hr & customised
<b>Filter class</b>	: EU4, EU5, F7, F8, F9, EU10, H13, H14
<b>Micron rating</b>	: 0.5, 1, 3, 5, 10, 20 with testing facilities



Blower Suction Air Filter System



BIBO Air Filter System



Pocket Air Filter



HEPA Air Filter

DUET Air Filter

Flange Type Filter

Carbon Panel Air Filter



For Purification, Clarification, Separation & Cleanliness



## SELF CLEANING FILTER SYSTEMS & AUTO BACK WASHING FILTER SYSTEMS

<b>MOC of media</b>	: SS304, SS316L
<b>MOC of housing</b>	: SS304, SS316L, MS powder coated, MS Epoxy Painted, Duplex 2205
<b>End connection</b>	: Customised
<b>Pressure rating</b>	: 0.5 kg/cm <sup>2</sup> to 20 kg/cm <sup>2</sup> & customised
<b>Flow capacity</b>	: 1 m <sup>3</sup> /hr. To 1000 m <sup>3</sup> /hr. & customised
<b>Micron rating</b>	: 1, 3, 5, 10, 20, 50, 75, 100, 150, 200, 300, 400, 500, 1000 etc.
<b>Accessories</b>	: Pump, Motor, Brush, Back Flushing Cluster, Valve, Control Panel



Auto / Manual Back Wash Filter Systems



Self Cleaning Filter Systems



## MAGNETIC & AIR VENT FILTER & CONICAL FILTER & HOUSING

MOC of media	: SS304, SS316L, PP, PTFE
MOC of housing	: SS304, SS316L,
MOC of jacket	: MS, SS304, SS316
End connection	: Code VII, Pushfit and customised
Pressure rating	: 0.5 kg/cm <sup>2</sup> to 15 kg/cm <sup>2</sup> & customised
Flow capacity	: 1 m <sup>3</sup> /hr To 1000 m <sup>3</sup> /hr
Micron rating	: 0.2, 0.45, 1, 3, 5, 10 as required
Gauss power for magnetic filter	: 9000 Gauss and Higher Gauss in special cases
Accessories for vent filter	: Electric heater, Heat Tracer, Temperature controller, Jacket



High Pressure Filter



Conical Filter



Magnetic Filter



Jacketed Vent Filter



Tank Vent Filter



Single Cartridge Filter



Pharma Grade Sanitary Cartridge Filter



## STRAINERS & FILTERS

<b>Type</b>	: YEE-Type, Basket Type, Bucket Type, Conical Type, Online, Offline Strainer
<b>MOC</b>	: CS, SS304, SS316L, PP, PTFE, PVDF, MS/PP, MS/PFA lined strainer
<b>End connection</b>	: Threaded end, Flanged end, Socket type
<b>Pressure rating</b>	: 0.5 kg/cm <sup>2</sup> to 200 kg/cm <sup>2</sup> & customised
<b>Flow capacity</b>	: 200 LPHR to 1000 m <sup>3</sup> /hr & customised
<b>Length</b>	: 2.5", 5", 10", 20", 30", 40", 50" & customised
<b>Shell size</b>	: 65 mm OD to 2000 mm OD



Y Type Strainer



T Type Strainer



Basket Type Strainer



Strainer Filter Elements

## SWIRL- CLONE FILTER

Swirl-Clone is a Device for Solid liquid separation Using the Liquid Flow and the Centrifugal force converted to Swirling Action. Having No Moving Parts, No Maintenance & No Element to clog. Swirl-clone doesn't need any manpower –or- time to change choked filter elements. Easy to Install Limited Range of size and capacity for easy of selection



SS 316L

Polypropylene (For Specific Application only)

**Capacity**

½" NB = 50LPM  
1" NB =100 LPM  
3/2" NB =200 LPM  
2" NB =250 LPM

**Application**

Solid Liquid Separation  
Solid recovery (precious metal)



Swirl-Clone Filter Systems



## DUPLEX & MULTI STAGE FILTER SYSTEMS

<b>Type of strainer</b>	: Duplex Type, Simplex Type, Skid Mounted, Trolley Mounted
<b>Moc</b>	: CS, SS304, SS316L, PP, PTFE, PVDF, MS/PP, MS/PFA lined strainer etc, Many more.
<b>End connection</b>	: Threaded end, Flanged end, SMS Union, TC End
<b>Valves for switch over</b>	: Upto 50 NB : 3 way L-port ball valve, Above 50 NB : Butterfly type valve
<b>Pressure rating</b>	: 0.5 kg/cm <sup>2</sup> to 200 kg/cm <sup>2</sup> & customised
<b>Flow capacity</b>	: 200 LPHR to 1000 m <sup>3</sup> /hr. & customised
<b>Length</b>	: 2.5", 5", 10", 20", 30", 40", 50" & customised
<b>Shell size</b>	: 65 mm OD to 2000 mm OD & customised



Multi Stage Filter System



Duplex Filter System

## FILTER CLEANING MACHINE / ULTRASONIC SYSTEMS & SERVICES

<b>MOC of tank</b>	: SS304, SS316L
<b>Outside surface</b>	: MS, SS
<b>Transducers</b>	: PIZZO, UK
<b>Accessories</b>	: With heater, Generator & Filters
<b>Dimension</b>	: Customised
<b>Media to be use for cleaning</b>	: DM water, Compatible solution
<b>Cleaning</b>	: Any metallic part with 100% welded construction. adhesive, glue joint element not allowed





## COOLANT, AIR & DUST COLLECTOR FILTER MEDIA



PTFE Coated PES

Needle Punch PES

Thermal Bond Viscose

Spun Bond PES

Non-Woven PP

Woven PP

**Type of Media :** Woven, Non-woven

**MOC of Media :** Polypropylene, Polyester, Synthetic, Viscose, Nylon, Glass-fiber, PTFE etc. Many more

**Type :** Thermally bonded, Spun bonded, Needle punched, Hi-loft, Low density media, Hydrofobic, Hydrophilic

**GSM :** 30, 34, 40, 50, 70, 100, 125, 150, 200, 300, 550 GSM

**Application :** Coolant, Machining dust, Blower suction protection, AHU filter protection, Filter press cloth, Rotary drum filter cloth, paint booth Filter media.

**Size (mm) :** 400, 500, 710, 800, 1000, 1300, 1500, 2000 & Customised width.



### Our Esteemed Customers Globally



Regd. Office & Factory:

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