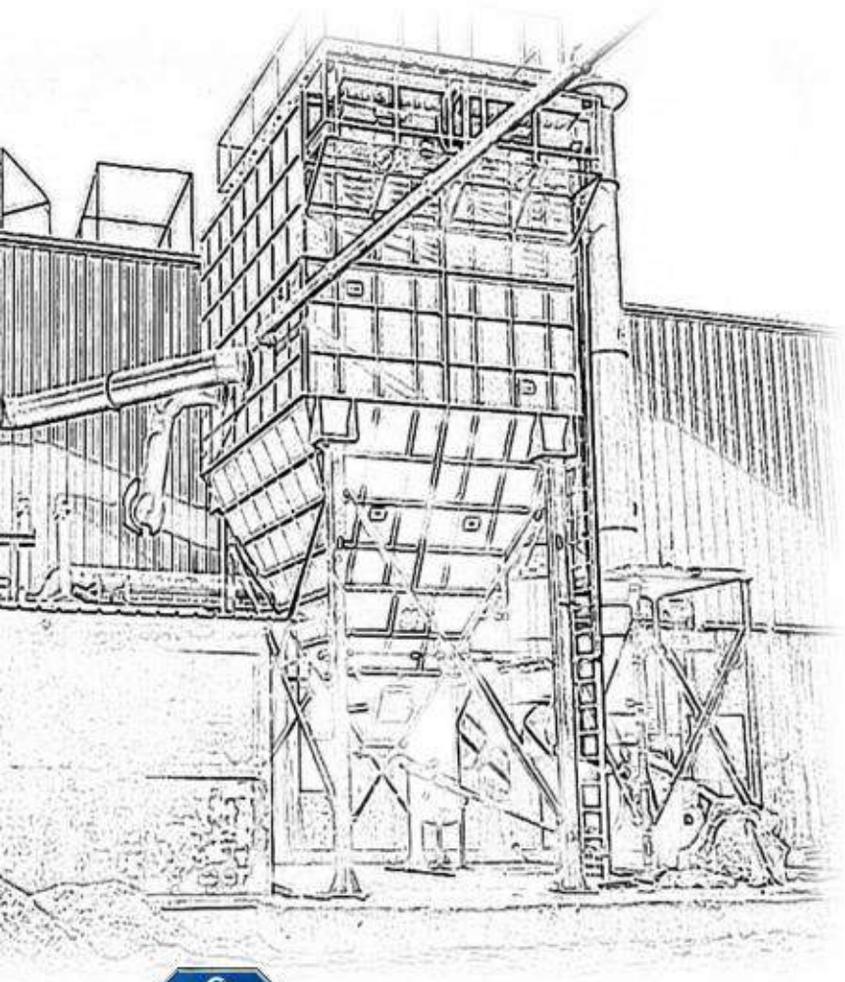
Healthy Air-vironment Always . . . Anywhere!

Progress Without Pollution



SINCE 1979....

TECHFLOW®

AIR CONTROL TECHNOLOGIES

Tuff® DUST CONTROL TECHNOLOGIES

- AIR POLLUTION CONTROL SYSTEMS
- DE DUSTING SYSTEMS
- CENTRIFUGAL FANS & BLOWERS
- PNEUMATIC CONVEYING SYSTEMS
- COMPONENTS RELATED TO ABOVE SYSTEMS

TÜV SÜD ISO 9001

www.techflow.net

Healthy Air-vironment Always . . . Anywere!

- **Total Premises: 2,50,000 sq. ft.**
- **Workshop : 1,30,000 sq. ft.**
- **Administration Building : 13000 sq. ft.**
- **Executions done yearly:**
  1. Dust collection systems : 350 Nos.+
  2. Centrifugal Blowers: 2000 Nos. +
  3. Pneumatic conveying systems : 50 Nos. +

  ...And many more Customized Products & Components.

ISO 9001: 2015

COMPANY CERTIFICATION

TECHFLOW is a dominant player in the field of AIR POLLUTION CONTROL EQUIPMENTS & SYSTEMS since 1979. The sheer dynamism of the company's strategic vision ensures cost-effective value-added solutions for its customers. The competitive edge gets exhibited through Constant technology upgradation, Innovative Product designing with engineering skills and Proven performance.

TECHFLOW is TUV SUD certified ISO 9001: 2015 company. Company having a State-art of-machinery workshop occupying area of 2,50,000 sq. ft. Company manufactures different types of air pollution control equipments, accessories and turn key systems and provides various solutions for Industrial Air Pollution control, Dust control, Pneumatic conveying etc.

TECHFLOW works in close harmony with its customers' requirements and develop quality products for the market needs of today and future. For every product, task or service there is a quality process, ensuring the quality of a final result.

D&B 87-126-9323

SMERA SME Rating Agency of India Ltd.

एन. एस. आई. सी. NSIC ISO 9001:2008 Co.

GeM Government e Marketplace Efficient • Transparent • Inclusive

Winner of

SME CHAMBER OF INDIA MANUFACTURING EXCELLENCE AWARD - 2012

Industries Served

STEEL, METAL & SPONGE IRON

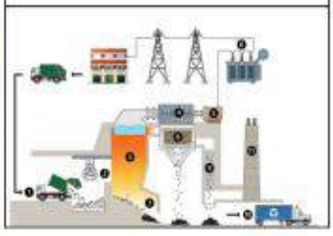
DRI PLANT

FOUNDRY

CEMENT PLANT

POWER PLANT

WTE PLANT



SAW PIPES

DI PIPES

PARTICLE BOARD, WOOD, LAMINATES

MINERAL, MINING, CRUSHING, STONES

GLASS MANUFACTURING

MASTER BATCH, PLASTICS, PIGMENTS

FOOD, SPICES, TOBACCO, DAIRY

PHARMACEUTICAL

RUBBER / TYRE / CARBON BLACK

POWDER COATING & SHOT BLASTING

BOILER

OEM, ENGINEERING & MANY OTHERS

CERAMIC & TILES INDUSTRY

MATERIAL RECYCLING INDUSTRY

...AND MANY MORE...

WORLD OF AIR MOVING/ CLEANING/ CONTROL EQUIPMENTS & SYSTEMS...

WORLD OF AIR MOVING/ CLEANING/ CONTROL EQUIPMENTS & SYSTEMS...

CENTRIFUGAL FANS & BLOWERS

- Low Pressure
- Medium Pressure
- High Pressure
- Plug Fans & Blowers.
- Customized / Tailor made Fans.

TECHFLOW has developed a series of fans for almost all the industrial requirements. Centrifugal Blowers designed and supplied by TECHFLOW are highly efficient, proven, reliable & sturdy. TECHFLOW is master in designing and manufacturing customized fans like Multi Vapor Recompression Fan (MVR Fan), Water Jacketed Fan, Special Bearing Cooling Arrangements for High Temperature fans. These are categorized by their pressure generation capacities & Drive types.

Centrifugal Blower can be considered as the heart of any processing industry. It is known as many type like ID Fan, FD Fan, Industrial Blower, Industrial Air Blower, High Pressure Fan, Hot Air Circulation fan, Bag Filter Blower, Dust Collector Blower, Blower, Pneumatic Conveying Fan.

TECHFLOW Supplies following types of Impellers based on application requirement

■ **Radial Blade / Radial Tipped** ■ **Backward Curved / Backward Inclined** ■ **Airfoil Blades**

LOW PRESSURE CENTRIFUGAL BLOWERS.

FEATURES

- Air flow (capacity) Range : 100 CMH to 700000 CMH
- Static Pressure Range : 10 mm WC to 150 mm WC
- RPM Variation : 300 to 2500
- Motor Kw : up to 400
- Material of Construction : Mild Steel, Stainless Steel

MEDIUM PRESSURE CENTRIFUGAL BLOWERS.

FEATURES

- Air flow (capacity) Range : 200CMH to 500000 CMH
- Static Pressure Range : 150 mm WC to 600 mm WC
- RPM variation : 700 to 3000
- Motor Kw : up to 600
- Material of Construction : Mild Steel, Stainless Steel



HIGH PRESSURE CENTRIFUGAL BLOWERS.

FEATURES

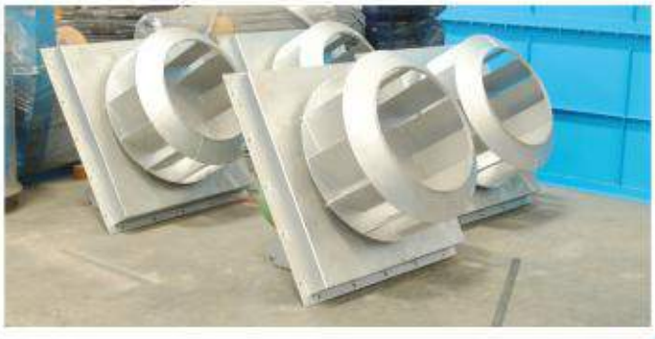
- Air flow (capacity) Range : 100 CMH to 300000 CMH
- Static Pressure Range : 600 mm WC to 1500 mm WC
- RPM variation : 700 to 3000
- Motor Kw : up to 600
- Material of Construction : Mild Steel, Stainless Steel



PLUG FANS

FEATURES

Plug fans are the centrifugal blower which generally don't have the housing and is majorly used for hot air circulation, autoclave vessels or in the dust collector where they are fitted directly on the body. This fan is generally designed in accordance to data like operating temperature, circulation required, airflow required, pressure inside the fan chamber and operating density of the media at inlet.

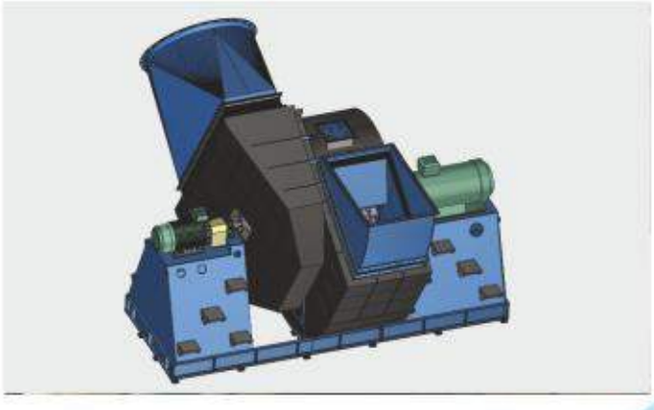
CUSTOMIZED / TAILOR MADE FANS

There are many processes where operating conditions are not suitable for standard duty fans or simple fans. TECHFLOW has state of the art techniques to design customized blowers for the processes with operating challenges like high temperature, high abrasion, low density, high speed, zero leakage and other.

Gas Tight / MVR Fan

Water Cooled Bearing Housing

Blower with Double Drive



Blower Inlet made by Cone Spinning Machine


TECHFLOW

CYCLONES

Types of Cyclones

- Single / Mono Cyclone
- Twin Cyclones (In Series or Parallel as per application Requirement)

Cyclone is the basic & most conventional way to separate the heavy dust particles from the air stream using centrifugal cyclonic/vortex effect due to tangential rotation. This can be used where particle size of the dust is heavy, as primary separator to reduce the dust load on the fabric filter or dust collector & as spark trapper in some application.

TECHFLOW has developed a series of cyclones where you can get maximum efficiency of dust separation with lower power consumption. This has resulted in better outlet emission, lesser load on bag filter or dust collector, improving life of filter bags and better recovery of product.

FEATURES

- No Moving or Rotating Parts so minimal Maintenance.
- High Separation Efficiency with Special Inlet Design.
- Application Based Designs for Better Performance.
- Small footprint hence requires lesser floor space.
- Separation Efficiency possible upto 98% for Powders.

OPTIONS

- Single / Mono Cyclone.
- Twin Cyclones (In Series or Parallel as per application Requirement)
- Quad/ Hexa or Octa & Modular Cyclones.

APPLICATION / USES

- Particle Board Plants
- Guar gum Processing
- Boiler Flue Gas
- Primary Separator for
- Dust Collector
- Spark Trapper
- Fly Ash Handling Plants
- Polishing Machines
- Buffing Machines
- Cement Plants
- CNC Machine
- Shot Blasting
- Sand Blasting
- Dryer Exhaust
- Abrasive Media Manufacturing
- Kiln Exhaust
- Pneumatic Conveying System
- Sander Dust Collector
- Mineral Grinding
- Furnace Fume Extraction System
- Product Collection
- Carbon black Industry
- Rubber Processing
- Food Processing Plants
- Master Batch Industry
- Plastic Pellet Conveying
- Wooden Pellet Conveying
- Wood Chip Conveying

MULTICLONES

Multiclone is second generation mechanical dust collector after cyclone. It is having multiple parallel cyclonic tubes inside the chamber which separate the heavy dust particles from the air stream. This is used as primary separator to reduce the dust load on the bag filter or dust collector & also serves as primary spark trapper in some applications.

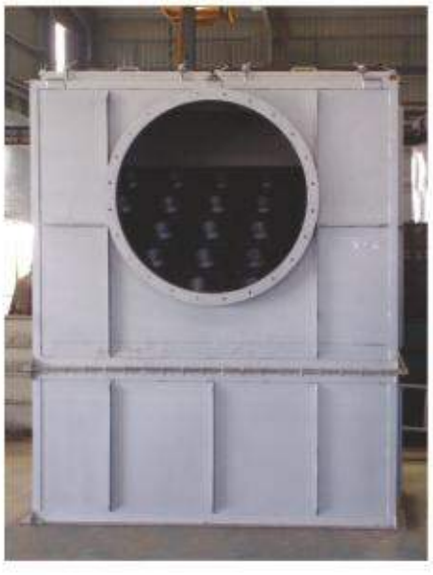
TECHFLOW has developed Multiclones with many types of cyclonic tubes for different applications. Heart of any Multiclone is the cyclone tube and design of the tubes differ from application to application.

FEATURES

- No Moving or Rotating Parts so No Maintenance.
- Different Tube Design For Different Applications.
- Wide Experience in Product Selection.
- Replaceable Fabricated/Cast Alloy Tubes to form Multiclone.
- Low Operating Pressure Drops.

APPLICATION / USES

- Particle Board Plants.
- Boiler Flue Gas.
- Primary Separator for Dust Collector.
- Spark Trapper.
- Fly Ash Handling Plants.
- Cement Plants.
- Dryer Exhaust.
- Furnace Fume Extraction System.



PULSE JET CARTRIDGE TYPE FILTER : C-TPJF

TECHFLOW is the Pioneer designer/ manufacturer in India, who has designed, manufactured & supplied Cartridge Type (Pleated Bag) Dust Collectors way back in 1980s. The Idea behind designing the Cartridge Type Filter was to save space and giving comparable result as a hose bag type filter. Cartridge type Pulse jet Dust Collectors are basically used for applications with ambient temperature range and free flowing dust or materials. There are various filtration media available for different applications. These low height Dust Collectors are designed to operate continuously and with lowest down time. The timed pulses of compressed air travel in opposite direction of main air flow & by temporary reversal thro' cleaning blast via ventury, cartridge surface is cleaned.

TECHFLOW offers a wide range of Cartridge Type Pulse Jet Dust Collectors Starting from 1000 to 100,000 CuM/Hr.

FEATURES

- Low height front loading of cartridge removal & insertion.
- Continuous Duty Operation.
- Lower Pressure Drop In Comparison with Hose Bag Type Bag Filters.
- Modular Design starting from 1000 to 1,00,000 CuM/Hr
- Supplied in Ready to start conditions.
- Space Savings

OPTIONS

- Customized / Standard
- Surface filteration technology.
- Options For Discharge Devices.
- Variety of Fabrics suitable for various applications

APPLICATION / USES

- Sand Blasting
- Shot Blasting
- MineralGrinding
- Pigments & Chemicals
- Polymers
- Ceramics
- Grinding & Polishing
- Abrasive Mfg.
- Food Processing
- Spices
- Pneumatic conveying systems
- Powder coating
- Engineering workshops
- Welding & Cutting
- Cattle Feed & Grain Handling




PULSE JET HOSE BAG TYPE FILTER : B-TPJF

Pulse Jet Hose Bag Type Filters are known as conventional filters. TECHFLOW has developed new age designs for this filters which gives better life of filter bags, Lower emission levels, Lower Pressure drops, lower power consumption, Higher air to Cloth Ratios with better performance levels, Lower Floor Space Requirement. TECHFLOW supplies customized bag filters on the bases of application requirement. These Pulse Jet Bag Filters are used where air-flows are in large quantity, temperatures are higher than ambient or material to be handled is difficult.

FEATURES

- Modular Designs Available starting from 1600 m3/hr to 4,00,000 m3/hr.
- Tool less installation/replacement of bag & Cages.
- Variety of Filter media available for different applications.
- Can handle up to 300°C hot gas.
- Easy to Install & Commission.

OPTIONS

- Customized.
- Pre Cooler for Gas.
- Spark Arrestor for Certain Applications.
- Options For Discharge Devices.
- Surface Filtration Technology.

APPLICATION / USES

- Foundry & Steel
- Cement
- Boilers Flue Gas
- Kiln Exhaust
- Solids Drying
- Mining and Minerals
- Glass
- Particle Board Mfg.
- Wood-working and laminates
- Air Pollution Control Systems
- Hot Gases and Fumes
- Coal Handling

PULSE JET ENVELOPE TYPE FILTER : E-TPJF

This is a special variant of horizontally mounted filter bag envelopes (pockets) over retaining metal cages. The advantage is low height & easy access to filter bags for maintenance & replacement.

These are offered where there is a height constraint or front loading of filter elements are required.

FEATURES

- Downdraft Airflow Direction for Best Dust Separation At Inlet
- Reliable & Efficient for critical Powder/Dust
- Best For Product Recovery
- Continuous Duty Operation
- Lower Pressure Drop In Comparison with Hose Bag Type Bag Filters
- Modular Design starting from 2000 m/3hr to 1,00,000 m3/hr

OPTIONS

- Customized / Standard Solutions.
- Options For Discharge Devices.

APPLICATION / USES

- Rubber Processing
- Masterbatch and Pigments
- Powder recovery
- Metal Recovery
- Food Processing
- Foundry & Steel

VENT FILTER : TUFF - VENT

Vent Filters are available in following options

- **Vent Filter Directly Mounted on the Silo.**
- **Vent Filter With Hopper Mounted on Floor.**
- **Type of filters : Hose Bag / Pleated Cartridge.**
- **Cleaning of the filters is done thru reverse air pulse jet system.**
- **Motorized shaking system is also available for cleaning of filters.**
- **Available Material of Constructions : Mild Steel / Stainless Steel.**

Vent Filters by TECHFLOW is the series of dust collectors which are used to vent clean air from the silo / hopper where material is pneumatically conveyed and stored. A wide range of selection is available for vent filters at TECHFLOW with variety of options.

FEATURES

- Compact Design
- Maintenance Free
- Sturdy Construction
- Available In Various Constructions
- Can be Flanged to Silo or bottom hopper.

APPLICATION / USES

- Cement
- Mineral
- Food Processing
- Foundry
- Glass
- Grain
- Agriculture
- Cattle Feed
- Mining
- Alumina
- Ball Clay
- Barite
- Bauxite
- Bentonite
- Borex
- Calcium Carbonate
- Feld Spar
- Fine Coal
- Flour
- Fluorspar
- Fly Ash
- Gypsum
- Iron oxide
- Kaolin Clay
- Lime
- Milk Powder
- PVC Resin
- Quartz
- Silica Sand
- Soda Ash
- Sodium Sulfate
- Sugar
- Talc






REVERSE AIR CLEANED ENVELOPE TYPE FILTER : T-RABF

FEATURES

- Heavy gauge fully welded steel construction.
- Compact modular design minimises space requirement.
- Weather proof for exposed locations.
- Filter area up to 2500m² in single housing.
- High efficiency off-line cleaning during continuous operation.
- Lower pressure cleaning & hence lower emissions.
- Wide range of filter media for special applications.
- Easy access for maintenance from front mounted clean gas chamber.
- Operating temperature up to 180 °C.
- No compressed air required.

APPLICATION / USES

- Aluminium production.
- Asphalt production.
- Ferrous and non-ferrous foundries.
- Mineral grinding.

OPTIONS

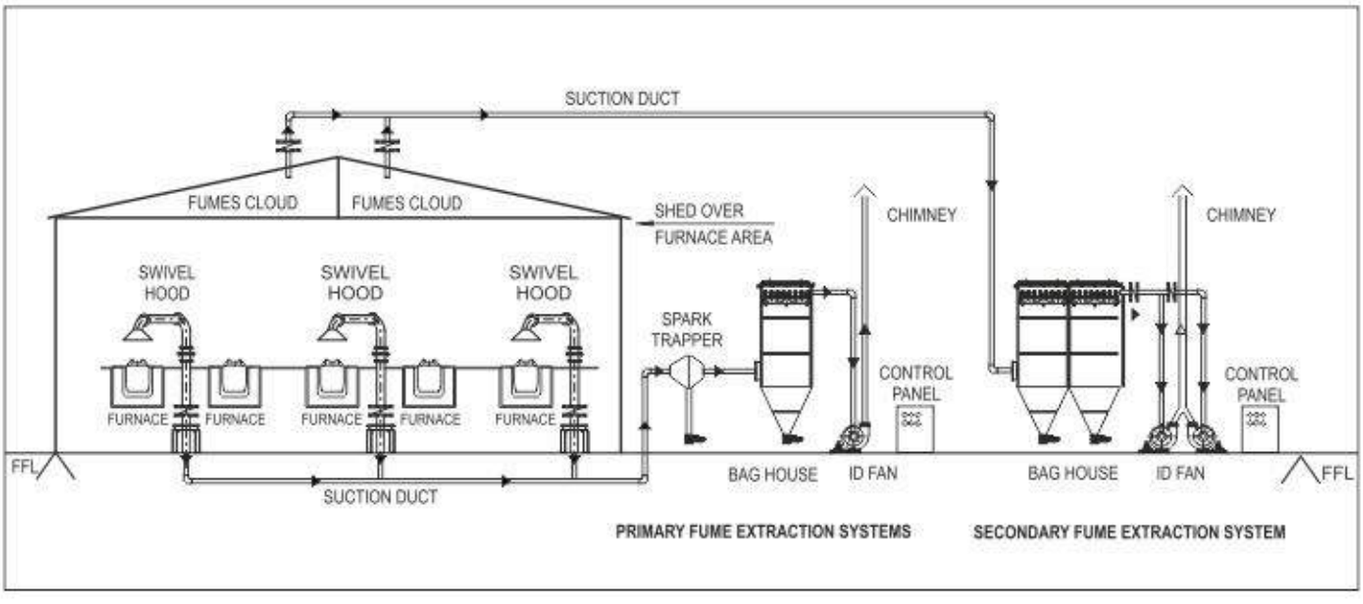
- Discharge options include screw conveyors, rotary valves, gravity or motorised flap valves or bin
- Customized dirty gas inlet hoods
- Air blast coolers for higher temperature applications
- Pre-separators, skimmers and cyclones
- Access platforms

INTEGRATED CONTROL PANEL WITH MIMIC

FUME EXTRACTION & FILTRATION SYSTEM

- Furnace Fume Extraction Systems
- Welding Fume Extraction Systems

SCHEMATICS : FURNACE FUME EXTRACTION SYSTEMS



Many Industrial operations generate fumes during various precesses like Furnace, Welding, Brazing, Cutting etc. These fumes are not only hazardous for Atmosphere but also harmful to Human life.

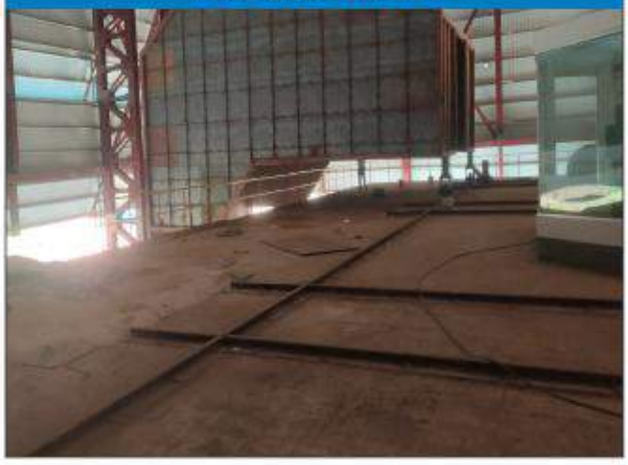
The workers / employees find it uncomfortable to work in the polluted environment and as a result affects their output ans efficiency.

APPLICATION / USES

- Induction Furnace - Ferrous/ Non Ferrous
- Aluminum/ Zinc/ Copper Melting Furnace
- AOD Furnace
- Electric Arc Furnace
- Exothermic Reaction Furnace
- Laddie Refining Furnace

DOG HOUSE-1

DOG HOUSE-2



INDUCTION FURNACE- NON FERROUS

EXOTHERMIC REACTION FURNACE

ELECTROSTATIC PRECIPITATORS

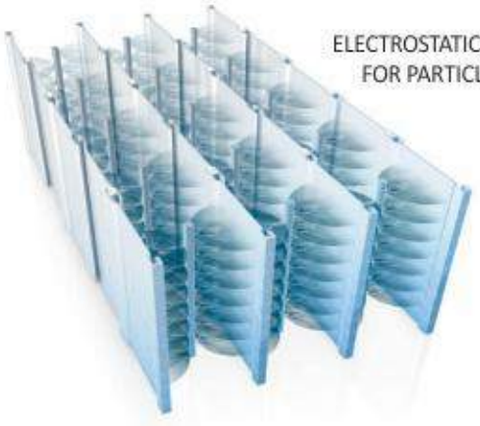
Protecting Environment & Creating Dust Free Atmosphere

The Formula For Clean Air

THE BASIC ELECTROSTATIC PRINCIPLE

PARTICLE CHARGING & SEPARATION

The particle separation process in the electrostatic precipitator is based on the principle of electrostatic separation. Electrons are emitted by a negatively charged ionising electrode and accelerated toward a positively charged collecting electrode. The particles that flow through the filter are negatively charged by these accelerated electrons/accumulating ions and also move in the direction of the positive collecting electrode.

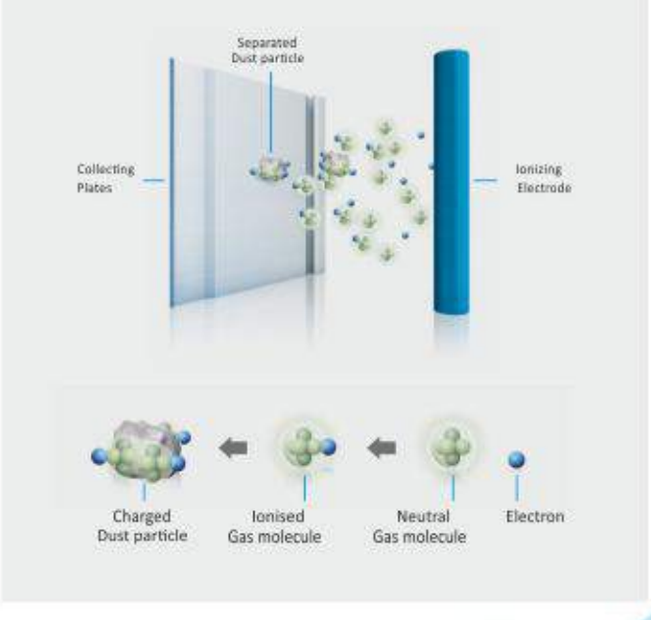


ELECTROSTATIC PRECIPITATOR FOR PARTICLE SEPARATION

Unlike other separation technologies, electrostatic particle separation is effective even for very small particles. The separation efficiencies typically required for combustion processes are achieved through fully customizable and customer-specific plant designs.

The electrostatic precipitator technology ensures minimal clean gas dust emissions even in difficult applications.

Beyond classic dedusting for fossil or wood-type fuels and other industrial processes, electrostatic precipitators have also been proven effective for biogenous fuels such as pressing residues from olive oil production, coffee grounds, nutshells or sunflower hulls. This trend requires a special electrostatic precipitator design and a vast amount of specialist expertise.



1 Profiled collecting plates
2 Ionising electrode
3 Boundary layer
4 Collecting pockets

APPLICATIONS COVERED

- Various types of Boilers (stoker fired, AFBC, CFBC, Multi Fuel, Bio Mass, etc.), Steel Industries (Sinter Waste gas, Pelletisation Plant, Sinter Plant Dedusting), Waste Heat Recovery Boiler ESP, Non – Ferrous Industries (Copper, Zinc, Aluminum, Smelters, etc.)

- Range of Flows Covered with own Design From 20,000 m3/hr to 200,000 m3/hr
- Range of Flows Covered with support from Reputed OEM from abroad From 250,000 m3/hr & above
- Guaranteed Emission that can be achieved: Less than 30mm/nM3
- Operating Temperatures: From Ambient to 220°C
- Additional Items Like 3 phase T/R Set
- Opacity/Dust Monitor , ESP Management System
- CEMS can also be Supplied along with our offered ESP's

REDUCED ERECTION TIME

Time During the construction stage, the electrode spacing error shall be diminished. The spacing will affect the performance of ESP. To eliminate the error during Erection, we will assemble the positioning frame for two kinds of electrodes (CE & DE) in workshop on site, just we need to fix the frame on the top of casing, then hang the CE and DE, so the spacing does not have to be adjusted at site.

LOW AIR LEAKAGE

The air tightness of each weld joints are controlled strictly. All inspection doors are double walled construction, and the seal material is premium silicon rubber glass fiber ring, which has high sealing property, without aging and deformation at high temperature thus ensures the air leakage less than 2%

RELIABLE AFTERMARKET SERVICES

Our support for your project does not end with product delivery. We provide a wide range of aftermarket products and services, including start-up and commissioning, equipment tuning, performance optimization, performance testing, operator training programs and high-quality replacement parts. Field engineering services are available to optimize the operation of your equipment and to help with parts installation.

PNEUMATIC CONVEYING SYSTEMS

- **Dense Phase Pneumatic Conveying (Weight Based / Volume Based)**
- **Lean Phase Pneumatic Conveying**

TECHFLOW is one of the established manufacturer of Dense Phase Conveying Systems. This systems are also known as Pneumatic transporters, material transporter, Foundry Sand Transporter. This system is used to convey the material from source to multiple or single destination with the help of compressed air.

FEATURES / BENEFITS OF DENSE PHASE PNEUMATIC CONVEYING SYSTEM

- Facilitate transfer the solid from Single/ Multiple Feeding Points to very long distances & multiple locations.
- Robust , User friendly , low maintenance , Ready to start system.
- Closed loop system- thus eliminating dusting.
- Higher conveying distances are possible as compared to Mechanical transfer.
- Very small installation space / Foot print is required to install the vessel.
- Suitable even in complex plant layouts.
- Less breakdown incidences & single point Maintenance plus low wear & tear of the conveying parts.
- Elimination of Major Civil works/Foundations etc.
- No need of any Dust collection systems.
- Low Installation Cost.
- Same requirement of Power/Operating cost as compared to other means of Transfers.
- Low conveying velocities in the pipe line- thus less wear & tear problems.
- Small sized vent filters due to low amount of airflow involved as compared to lean phase systems.

APPLICATION / USES

- Alumina
- Ash
- Bag House Dust
- Barlite
- Bentonite
- Carbon Black
- Cement
- Clay
- Calcium Carbonate
- Cornstarch
- Cement Clinker
- Diatomaceous Earth
- Fluorspar
- Gypsum
- Lime
- Perlite
- Salt
- Sand
- Soda Ash
- Food Powder
- Foundry Minerals
- Power
- Foundry Sand
- Manganese Oxides
- Silica
- Pneumatic Conveying System
- Powder Handling System

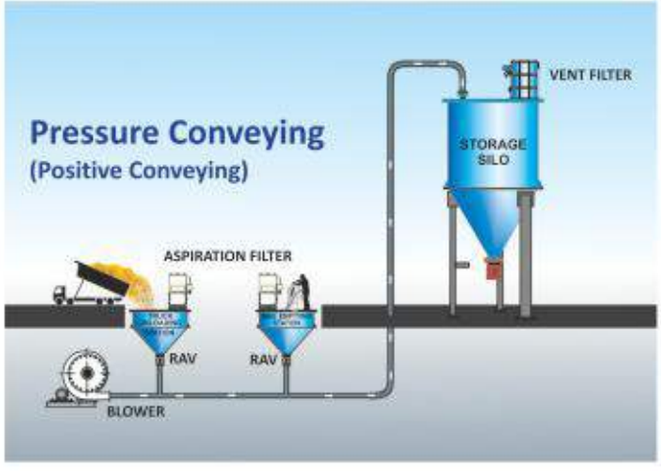


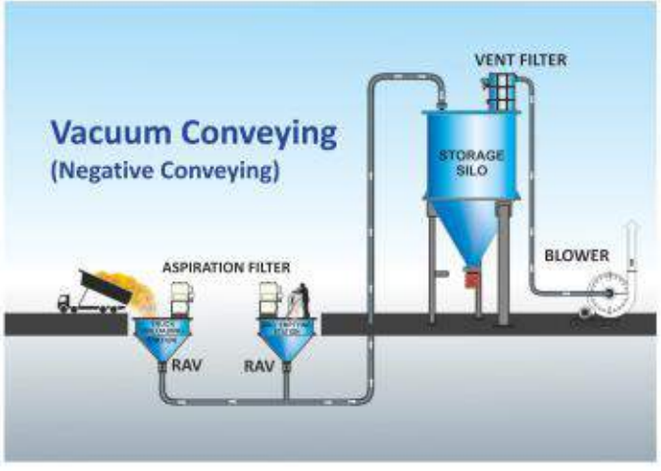


TECHFLOW

TECHFLOW is one of the leading Designer & manufacturer of Pneumatic Conveying System. In this system material is conveyed with the help Centrifugal Blower/Roots Blower/Regenerative Blower. Here material is conveyed either by negative suction or by positive pressure of blower.

PROCESS FLOW DIAGRAM / OPERATION PRINCIPLE





TYPE OF LEAN PHASE SYSTEMS

- Vacuum Conveying (Negative Conveying)
- Pressure Conveying (Positive Conveying)

FEATURES / BENEFITS OF LEAN PHASE CONVEYING SYSTEM

- Closed loop system- thus eliminating dusting
- Higher conveying distances are possible as compared to Mechanical transfer.
- Very small installation space/Foot print is required to install the vessel.
- Suitable for complex plant layouts and for less fluidizable material.
- Less breakdown incidences & single point Maintenance.
- Elimination of Major Civil works/Foundations etc.
- Ready to start systems- No Alignment/trials required.
- Single point utilities (Air, Electricals) connection.
- Suitable for long distances & multiple locations.
- Robust systems, User friendly & with low maintenance demand.
- Online transfer system – No requirement of storage hopper for transfer.

APPLICATION / USES

- Alumina
- Bag House Dust
- Barlite
- Bentonite
- Carbon Black
- Cement
- Clay
- Calcium Carbonate
- Cornstarch
- Cement Clinker
- Diatomaceous Earth
- Flour
- Fluorspar
- Gypsum
- Lime
- Perlite
- PVC Resin
- Salt
- Soda Ash
- Soap Powder
- Talc
- Food Powder
- Master batch
- Power
- Plastic
- Soap & Detergent
- Manganese Oxides
- Silica
- Wood Bagasse
- Pneumatic Conveying System
- Powder Handling System

COMPONENTS FOR DENSE PHASE / LEAN PHASE PNEUMATIC SYSTEMS AVAILABLE ON REQUEST

- Pneumatic Line Diverter.
- Wear Resistant Bends / Long Radius Bend.
- Feed Hoppers With Vibro Motors & Pneumatic Piston Vibrator.
- Aeration Pad for Hopper Discharge.
- Control Panel Modules With MIMIC & Programming.
- Vent Filters For Discharge Lines & Silo.
- Rotary Airlock Valves / Rotary Airlock Feeders.
- Regenerative Blowers / Turbine Blowers / Roots Blower /
- Centrifugal Blower.
  Dome Valve. (Dance Phase)
- Anti Plug Line Vales / Booster Valves. (Dance Phase)
- Pick Up Tee For Rotary Airlock Valves / Pick Up Nozzles / vacuum Nozzles for Truck unloading. (Lane Phase)

VENTURI SCRUBBER : TWS

The design of the Techflow Venturi Scrubber consists of a "wet approach" venturi followed by a liquid entrainment separator. Dust laden gases enter the venturi and instantly make contact with the tangentially introduced scrubbing liquid swirling down the venturi's converging walls. At the venturi throat, the gas and liquid streams collide and the liquid breaks down into droplets which trap dust particles.

- This gas/liquid mixture passes through a flooded elbow, and then enters the entrainment separator through a tangential inlet.
- Centrifugal action removes the heavy wetted particles from the gas stream.
- As an alternate, when very large diameter separators are required, the liquid is separated by passing the stream through a mist eliminator baffle.
- The dust/liquid mixture is discharged from the separator bottom drain and the cleaned gas leaves through the top of the separator.

FEATURES

- Efficient
- Low maintenance
- Low water usage

APPLICATION / USES

- Boiler Flue Gas
- Kiln Exhaust
- Dryer Exhaust
- Rubber Grinding
- Aluminium Production
- Specific Engineering Applications


TECHFLOW


TECHFLOW

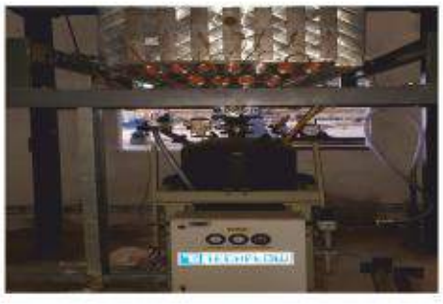
FLUX FEEDING & RECOVERY SYSTEM WITH HEATERS & FLUX (RECOVERED/FRESH) CONDITIONING UNITS (PATENTED TECHNOLOGY (276904))

- Portable Flux Feeding (Gravity Type) & Recovery Systems
- Semi Auto Systems (Flux Feeding, Recovery & Conditioning Unit)
- Complete Automatic Systems (Flux Feeding, Recovery, Conditioning & Heating)

TECHFLOW is one of the founder designer & manufacturer for all types of Flux Feeding, Flux Recovery, Flux Heating, Flux Screening, Flux Conditioning equipments. TECHFLOW supplies these equipments in various combination with complete automation for operations as per the requirement of client.

TECHFLOW Manufactures following models as per requirement

Fine Baking & Soacking System	Flux Heating & Conveying	Flux Heating + Weighing Module



Complete Auto Mode Operation System (Flux Feeding, Recovery, Heating, Weighing & Conditioning Unit)

VISION

TECHFLOW aspires to be India's leading industrial equipments & system solution provider for:

- Dust Control
- Air Pollution Control
- Centrifugal Fans & Blowers
- Pneumatic Conveying Systems with world class team, state of the art technology and best business practices

MISSION

TECHFLOW is committed to fulfill customer orders in time & with promised quality, backed by field performance support by continuously upgrading execution methods & operational systems.

VALUES

Our actions are guided by our values, which highlights TECHFLOW's culture.
Following are the four pillars of values for TECHFLOW.

- Customer Respect & Satisfaction,
- Ethical Transactions & Transparency,
- Fulfilment Of Commitments,
- Team-Work & Loyalty.

TECHFLOW ANALYSIS AND DESIGN

TECHFLOW has acquired a natural insight of equipment & system selection most suiting to an application. Pool of experienced technicians form a key strength area for observing problem, analysing causes & assessing need of primary control technology as applicable at site. The on-site surveys, feasibility study, the exchange of information with the internal production departments, the advice to the customer based on our thick experience, are the preliminary and fundamental phases of our work.

The drawing up of the project is the phase where we propose to personalize the manufacturing process according to every single user need and offer various operating solutions, explaining the best cost-benefit ratio. The guiding principle of all our design work is always in line with the latest statutory provisions and normative laws laid out by the pollution control boards / environment protection authority.

TECHFLOW RESEARCH & DEVELOPMENT

When we are doing Dust Control or Pneumatic Conveying, generally our customers demands for trials on our pilot plant. These tests are performed for various reasons.

- When the application or product is new.
- Whet customer have failed previously with some other supplier but interested in doing with Techflow.
- To assess the degradation of the product during conveying.

TECHFLOW MANUFACTURING AND QUALITY CONTROL

TECHFLOW has a continuous quality check system for all components of the industrial system components, which have been procured & produced. The proprietary production system enables us to vary or modify our realizations, even during work in progress, so as to meet the customer's particular needs. It also enables us to intervene subsequently in a rapid and professional way for alterations & adjustments thus guaranteeing complete assistance. All our production is carried out with modern machinery and advanced technologies, so as to guarantee high construction standards and a long life span of systems.

TECHFLOW INSTALLATION AND TESTING

TECHFLOW's manufactured equipments & other components are despatched only after the in-house dimensions check, specification & primary technical checks as per the mutually approved designs.

The internal QC systems assure maximum tranquillity to the customer. Performance Testing is the final phase of the work and is carried out with professionalism and accuracy. It is at this moment that the components pass the checks to prove that it operates in conditions of maximum safety, efficiency and find observance of the regulatory govt. laws.

TECHFLOW AFTER-SALES SERVICES

TECHFLOW'S after-sales service is based on diversified systems of technical, commercial & field assistance. Our component store offers broad availability of spare parts and accessories.

Our internal production departments rapidly intervene in case of customizations, modifications and alterations. Our commercial network is structured in such a way that every customer has a privileged relation with one of our employees, thus making the exchange of information easy and optimizing the intervention time. Our teams of installation guidance and maintenance technicians travel over all operational territory and are able to commission all types of systems that have been produced by TECHFLOW.

CNC Laser Machine

CNC Plasma Machine

Impeller Dynamic Balancing

Hydraulic Press Brake

Shear Machine

Punching Machine

Electro mechanical Plate Bending Machine

Motorized Impeller Welding

Inlet Cone Forming Machine

Automatic Welding Robot

R & D Plant (Pilot Plant)

Raw Material Store

Raw Material Store

Bought Out Store

Manufacturing Bay -I

Manufacturing Bay -II

Manufacturing Bay - III

Assembly & Testing

Dispatch Bay-I

Dispatch

Techflow Team

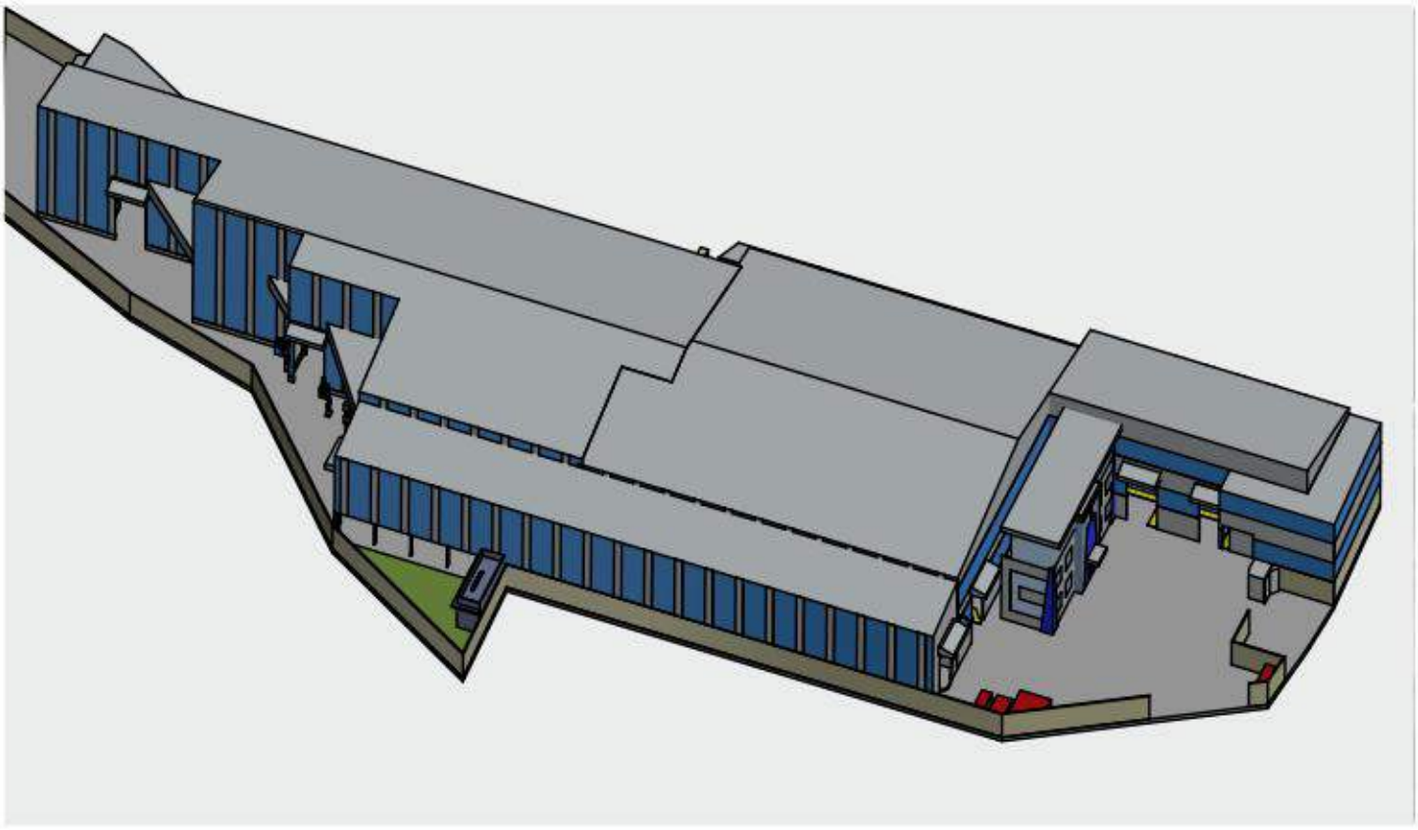
SINCE 1979 ®

TECHFLOW

Healthy Air-vironment Always .....Anywhere!

Tuff

Factory at Kubadthal, Ahmedabad.



PRODUCT BOOKLET / 2023

DESIGNERS & MANUFACTURERS

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AN ISO 9001-2008 COMPANY

TÜV SÜD ISO 9001

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