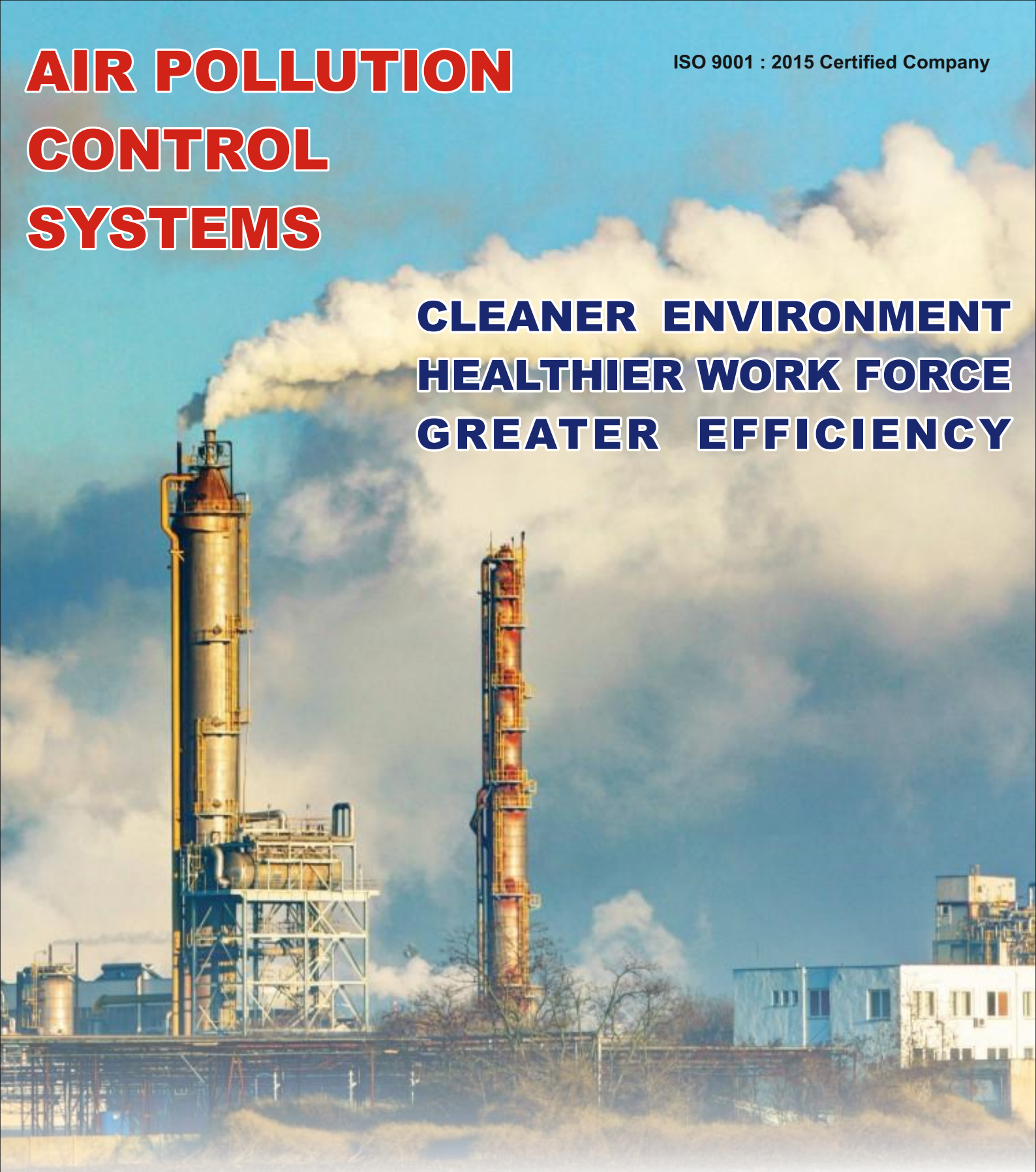


AIR POLLUTION CONTROL SYSTEMS

ISO 9001 : 2015 Certified Company

**CLEANER ENVIRONMENT
HEALTHIER WORK FORCE
GREATER EFFICIENCY**



MITTAL GROUP

MITTAL BLOWERS INDIA PVT. LTD.

Company Profile

MITTAL BLOWERS INDIA PVT. LTD. is one of the leading manufacturer quality engineering equipment is TUV Nord certified ISO 9001:2015 company.

MITTAL BLOWERS INDIA PVT. LTD. is an independent designer and manufacturer of Air Pollution Control Systems, Industrial Exhaust & Dust Collection Systems, Humidification & Evaporative Cooling Systems, Room pressurization Systems, Ventilation Systems and wide range of Centrifugal Fans, Tube Axial fans & Exhaust Fans.

MITTAL BLOWERS INDIA PVT. LTD. was established in 2005 by a group of experienced technocrat on a small scale under the able guidance of Mr. Mahesh Panchal with more than 30 years of experience in senior management positions in various multinational and large private companies, This has help us to build a well-managed organization with professional ethics as also to manufacture quality Product. Also offer cost effective products which are not only efficient but required minimum maintenance.

Mittal maintains strict quality procedure in design, manufacturing and testing. The centrifugal fan is the heart of any system. If the fan does not deliver required pressure and volume then the System will not work efficiently & Operating cost of the plant will increase. Mittal designs and manufactures fans for wide range of pressure, volume & Power to suit customer requirement. Many of the blowers in varying capacities are available in various specifications. However, Mittal specializes in offering tailor made designs as well to suit customer specifications.

OUR BUSINESS PHILOSOPHY "To completely satisfy the customer's demands with quality, time bound commitments and best prices in industry, using our expertise in the field of engineering with proven standards."

QUALITY AN INTEGRAL PART "Quality has been our prime importance and this aspect has given us an edge over others in the industry. To ensure high quality levels we at MITTAL have developed a fully equipped separate section with advanced testing equipment and machinery. We conduct specific tests on each and every product so that our clients get the best value for their money.

OUR TEAM

MITTAL BLOWERS INDIA PVT.LTD. has a team of highly qualified and competent professionals that are headed by an experienced management. We have high quality manpower possessing vigor, expertise and skills. We conduct internal induction programs and trainings modules, which facilitate the process of quick career growth. Our dynamic, highly-skilled and enthusiastic team, and work really hard to maintain excellence in the services we deliver. We are a highly motivated team, focused on ensuring that every engagement meets the needs of our principles.

Our manufacturing unit is built in an area of 21000 sq. feet and technologically upgraded to meet the different requirements of the clients. With a state of the art manufacturing unit, we are committed to achieve the set targets. We have separate sections for the different production processes like Fabrication, Painting, Assembling, Machine shop, etc.,

ENGINEERING DESIGN well equipped with ultra-modern CAD/CAM facilities, we are a one-stop-solution provider for different industrial needs. With a team of qualified design engineers, we can design and develop superior quality Centrifugal Air Blowers, Fans & Air Pollution Control System. Our teams of designers are capable of manufacturing products according to the specifications of the clients. Understanding the requirements of different industries, we design equipment that ensure better performance and yield maximum advantage to the clients.

WHY CHOOSE US?

- High energy efficiency
- Cost effective
- Reduced noise
- High manufacturing quality
- Precise flow and pressure
- Excellent after sales service and support
- ID and FD Fans Boiler manufacturers.
- Centrifugal Blowers for Dust Collection System manufacturers.
- Centrifugal Air Blowers for kitchen exhaust.
- High pressure centrifugal blowers for furnace manufacturers.
- DIDW Centrifugal Fans and Blowers for HVAC and air Washer Units

CERTIFICATE

**TUV NORD**

Management system as per
ISO 9001 : 2015

In accordance with TÜV INDIA procedures, it is hereby certified that

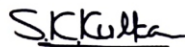
MITTAL BLOWERS INDIA PVT. LTD.
Plot No. C/17 Krishna Industrial Park - 2,
Near Royal Estate, Opp. Lake Shivbhumi Estate Road,
Kubadthal, Tal. Daskroi, Ahmedabad - 382 430,
Gujarat,
India

applies a management system in line with the above standard for the following scope

**Design, Manufacture and Supply of Industrial Blowers, Fans and
Air Pollution Control Equipments**

Certificate Registration No. **QM 02 01351**
Audit Report No. **Q 9467/2019**

Valid until **01.04.2022**



Certification Body
at TÜV INDIA PVT. LTD.

Issue **02.04.2019**
Place : **Mumbai**

This certification was conducted in accordance with the TÜV INDIA auditing and certification procedures & shall be valid subject to regular Surveillance Audits.

TUV India Pvt. Ltd., 801, Raheja Plaza – 1, L.B.S. Marg, Ghatkopar (W), Mumbai - 400 086, India cert.helpdesk@tuvindia.co.in



CENTRIFUGAL FAN & BLOWERS

Centrifugal Fans:

SWSI & DWDI Configuration fans are designed for general HVAC and industrial applications where large volumes of clean air are required at low to moderate pressures. With backward curved non over loading type and forward curved design. Centrifugal fans offer the flexibility to match the performance and application at the highest efficiency.

Capacity : Up to 1,50,000 CMH

Pressure: 10 to 150 mm WG.

Centrifugal Exhausters :

Fans are specifically designed for extraction or draft with duct loading. Useful for cupola furnaces. Also Useful for exhaust of moisture-laden, corrosive or chemically contaminated air. Same fans are available to meet any corrosive process requirements while maintaining quiet operation and high efficiency.

Capacity :Up to 50,000 CMH

Pressure: 50 to 550 mm WG.

Temperature: Up to 660° C.

Medium & High Pressure Blowers :

We offer the most complete line of Pressure Blowers and high capacity products in the market. These fans are used in applications where high pressures are required. The type of pressure blower selected will depend on the system requirements and temperature specifications. Some applications where pressure blowers are used include pneumatic-conveying, combustion, and gas-handling, fuel firing, blowing, agitation, jet cooling systems.

Capacity :Up to 10,000 CMH

Pressure: 500 to 1,500 mm WG.



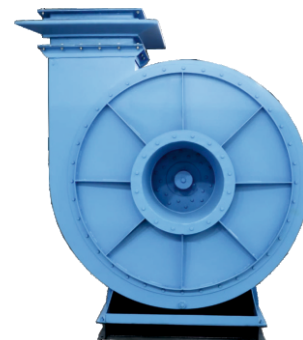
DWDI FAN



AIR BLOWER



AXIAL FAN



HIGH PRESSURE BLOWER

BAG FILTER

Pulse-jet Type Envelop Filters & Duct Collectors:

Advantages Constructed for continuous operation Compact design handles large air volumes Front door facilitates easy access to bags Downward flow direction helps easy separation No moving part no mechanical wear Cleaning of the bags is achieved during operation without interruption with the help of blasts of compressed air which is more intensive & efficient than any current mechanical or previous scavenging systems.

Function & Operating Principles The Filter elements are cleaned at automatically controlled regular intervals via individual solenoid valves. This is achieved during operation by means of a blast of compressed air lasting a fraction of a second. This reverses the flow direction briefly in the particular element. The injection effect of the blast nozzle entrains secondary air from the clean air space. This greatly increases the cleaning efficiency.



UNITARY DUST COLLECTOR / AIR FILTER:



We offering of **Unitary Duct Collectors**, which is designed using high quality raw material. Our range is widely used for handling heavy dust loads, dust containing coarse/fine particles, dusts from high sparking source and as a first stage collector for coarse particle upstream from media filter. Moreover, these are available in various sizes and can be customized as per the client's specifications.

DEDUSTING SYSTEMS

The working principle of the Dedusting system is dust laden air is made to pass through special filter media and the dust is accumulated in the filters media and clean air is exhausted. The filter media is stitched in the form of tubes. The dust from the filter media is removed by manual/Mechanical shaking or self-cleaning (reverse pulse jet). The filter materials are made up of acrylic polyester, polyester needle felt, polypropylene nylon etc. The antistatic provision shall be made depending on the application. Due to strong vision & high demand of our products from every nook & corner of the country, we are leading Dust Collectors Manufacturers in India are flourishing our business day by day. Cyclone & Multicyclone: - these types of dust collectors are used for the heavy dust loading applications. We have designed the multi cyclone for the higher efficiency. These types of dust collectors are have low maintenance and running cost.



Dedusting systems are available in various sizes and can be customized as per the client's specifications / requirement

MULTI DUST COLLECTOR

Multiclones :

A parallel bank of high efficiency small diameter cyclone tubes are arranged to achieve dust/particulate collection efficiencies up to 95% on 5 micron size .If required for high temperature & high moisture conditions multiclones are specially constructed & offered.

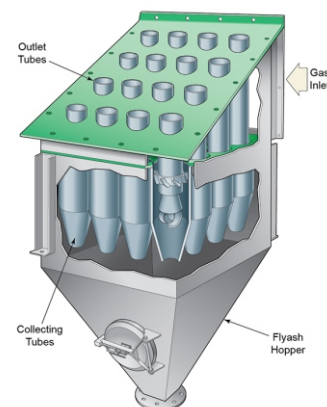
.Accessories likes Rotary air-lock valves, screw conveyer or ID fans are made available in standard range.

Recommended for: Air pollution control in cement/Bauxite processing ,Boilers ,kilns, shot blasting ,cupolas ,fine dust control on application involving high temperature high moisture & large flow

Capacity: 3000 To 100,000 CMH (These are available in various sizes and can be customized as per the client's specifications)

Pressure Drops UP to 150 mm WC

Dust Collection efficiency up to 95% on 5 micron size



CYCLONE

High Efficiency Medium Flow Type Cyclones: We are offering a highly popular range of mechanical dust separators & collectors generally termed as Cyclones Due to centrifugal separation, spherical & short fibrous or cylindrical dust particles from the dusty gas flows, are thrown to the periphery & thence to the bottom part Cleaned gas / air leaves thro' central discharge. Tangential entry at volute top provides high efficiently swirling & allows higher flow. Twin, triple or Quadruple cyclone group models are offered for higher flow at higher efficiencies.

Construction & material are to suit duty & temperatures. Accessories like Rotary air-lock valve & Exhauster fans are offered from standard range.



Medium Efficiency High Flow Type Cyclones:

separators & collectors generally termed as Cyclones Due to centrifugal separation, spherical & short fibrous or cylindrical dust particles from the dusty gas flows, are thrown to the periphery & thence to bottom part Cleaned gas / air leaves thro' central discharge .Tangential entry at Helical top provides smooth turbulence free dust descent & separation.

(High temperature constructions optional)



WELDING FUME EXTRACTOR

We offer wide range of suction capacities starting from 250 CMH to 12,000 CMH as standard. These work on the principle of electrostatic filtration and can control fumes, smoke and microscopic dust. One large capacity equipment may be used for multiple machines for the capture and control of fumes, dust and smoke. This product is extensively used for removal of fumes, mist, smoke, fine powder, etc, from specific generating sources such as:

- CNC and non-CNC m/cs
- TIG/ MIG welding
- Diesel genset exhaust
- Die-casting fumes
- Electro-discharge m/cs
- Soldering
- Furnace Exhaust
- Induction hardening
- Dip tinning
- Spark erosion m/cs

These Fume Extractors can be fitted with self-balanced extractor arms of various lengths for added flexibility in capture of fumes from generating sources
Centralized fume extractors are available in various sizes and can be customized as per the client's specifications / requirement



FURNACE FUME EXTRACTION

We offer an extensive range of extraction equipment to manage all forms of industrial air pollution. Industrial fume extractors are essentially heavy duty air filtration units that are specifically designed for applications that generate high volumes of fume and dust particulate. The principle functions of an industrial fume extractor are:

- Protection for the user/personnel against toxic fumes and particulates
- Protection against the environment by trapping the fumes, toxins and particulates into the filter, and leaving clean air to be released into the immediate area
- Protection against the experiment or application by recirculating clean air back into the environment and removing the harmful contaminants

These are available in various sizes and can be customized as per the client's specifications



POWDER RECOVERY BOOTH

Powder recovery booth/system has applications for any process where high quality air is required, particularly within the Food and Pharmaceutical industries.

Inlet protection filters clean air entering your process – usually to F3-F9 efficiency but H13/14 HEPA rated options are also available. By installing an inlet protection filter you're guaranteeing process air quality, preventing product contamination.

Our technical team is continually looking at specifications and ensuring our products are the best they can be.

Dust/Powder can be created by processing any material. Some will be hazardous to health, some will be toxic, and others may be explosive. Whatever the powder/dust type, and no matter how much powder/dust you have, we will have a solution that will fit your process.

We can supply recovery unit at a variety of sizes, meaning we can filter any powder/dust load. The type of powder/dust you're generating will require a specific media (material) to ensure it can handle the characteristics of your powder/dust (be it fine, sticky, dense, heavy, etc).

These are available in various sizes and can be customized as per the client's specifications



MANUAL AND MOTORIZED SHAKER DUCT COLLECTOR

Model:

- (A) Manual Shaker Type
- (B) Motorized Shaker type
- (C) Automatic Pulse Jet type.

Dust collectors are designed for Powerful Suction & High Air Extraction, No Maintenance, Easy Cleanability, Compact size and most effective & widely employed, Versatile (Automatic) Useful single utility for multiple uses.

Readily Applicable for:

Air Pollution Control Duct Capture & Control Powder Product Recovery Wood working operations Grinding, turning, milling, sanding, buffing, polishing, crushing pulverizing powder mixing chemical Pharmaceutical paints plastic ceramics Glass Food Processing Cosmetics Engineering Fibrous processes ETC.

Capacity: 500 to 4500 CMH (These are available in various sizes and can be customized as per the client's specifications)

Static Pressure: 50 mm to 250 mm WC

Dust Collection efficiency: As per model selection



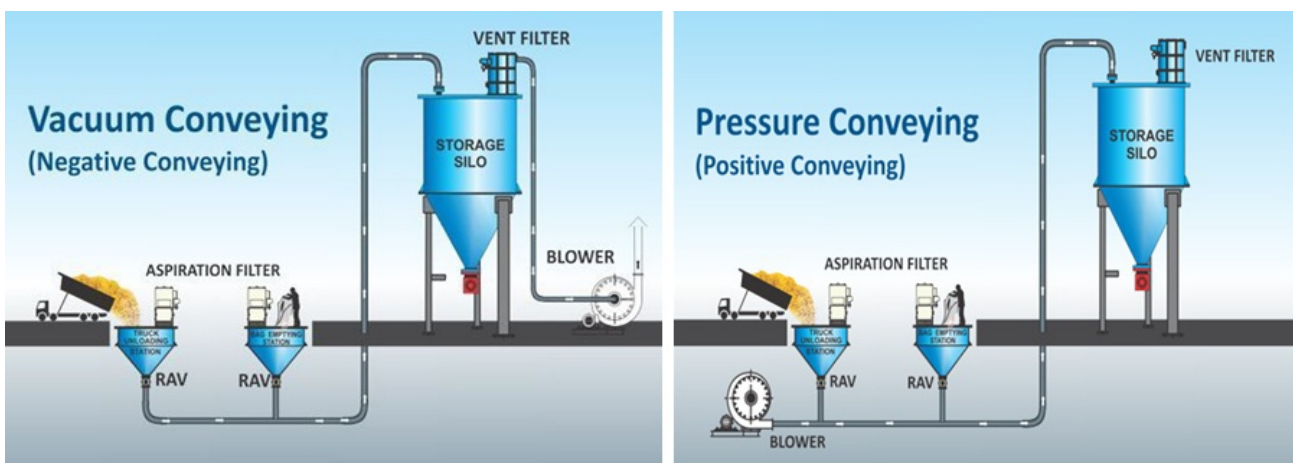
PNEUMATIC CONVEYING SYSTEMS

Pneumatic conveying represents the core of a bulk material handling system. Whether it's a simple system or achieving great performance with difficult materials, our in-depth knowledge and comprehensive understanding of the complex behavior of bulk materials have earned the trust of our customers.

Typical bulk materials pneumatically conveyed are powders, pellets, granules and irregularly shaped particles smaller than 20 mm. The majority of pneumatically transported materials have a bulk density between 0.1 to 1 kg/dm³.

Pneumatic transportation can be built as a pressure or vacuum system. The most commonly applied pneumatic conveying mode is dilute phase conveying where particles are airborne. Depending on the size, shape and weight of the particles, dilute phase conveying systems will work reliable for a wide range of materials with different characteristics, such as high bulk density, cohesive properties or extreme particle shapes. Due to the high air velocity material degradation or wear might appear. There are various dense phase conveying methods available that gently convey a specific bulk material and therefore reduce the risk of material degradation and wear.

These are available in various sizes and can be customized as per the client's specifications



SCRUBBER CYCLONE SPRAY SCRUBBER AND VENTURI SCRUBBER



Cyclonic spray scrubbers are used to help in air pollution control and they use the features of a spray chamber and a dry cyclone to remove pollutants from gas streams. The inlet gas enters the chamber tangentially, swirls through in a corkscrew motion, and exits while liquid is sprayed inside the chamber. As the gas swirls around the chamber, pollutants collide with the liquid and are removed by the droplets as they are thrown to the walls, and washed back down and out. A venturi scrubber consists of a converging section, a throat (the narrowest part of the venturi tube) and a diffuser. The dust/gas mix flows through the venturi tube and reaches top speed in the throat section. Thereafter, the mixture passes into the diffuser where the speed drops again. Liquid is added to the gas flow either in the throat section or prior to it. Intensive mixing takes place between the gas and the liquid in the throat section of the venturi tube. Due to the high speed realized by the gas and liquid, water is released in fine water droplets. These are available in various sizes and can be customized as per the client's specifications

ASH HANDLING SYSTEM

Ash handling system is one of the most crucial links in the solid fuel, biomass boiler, and combustion systems chain. Located in plants around the world, ash handling systems are set up in harsh environments where they endure intense temperatures. As a result of such hardship, many systems fail to operate properly, leaving plant managers struggling to keep up with an often unreliable system and excess ash debris. Process Barron understands that trustworthy equipment can save your business time and money. We provide custom-designed ash handling systems these are available in various sizes and can be customized as per the client's specifications.



INDUSTRIAL VACUUM CLEANER

We offer quieter higher range of industrial vacuum cleaners with compact design and robust construction.

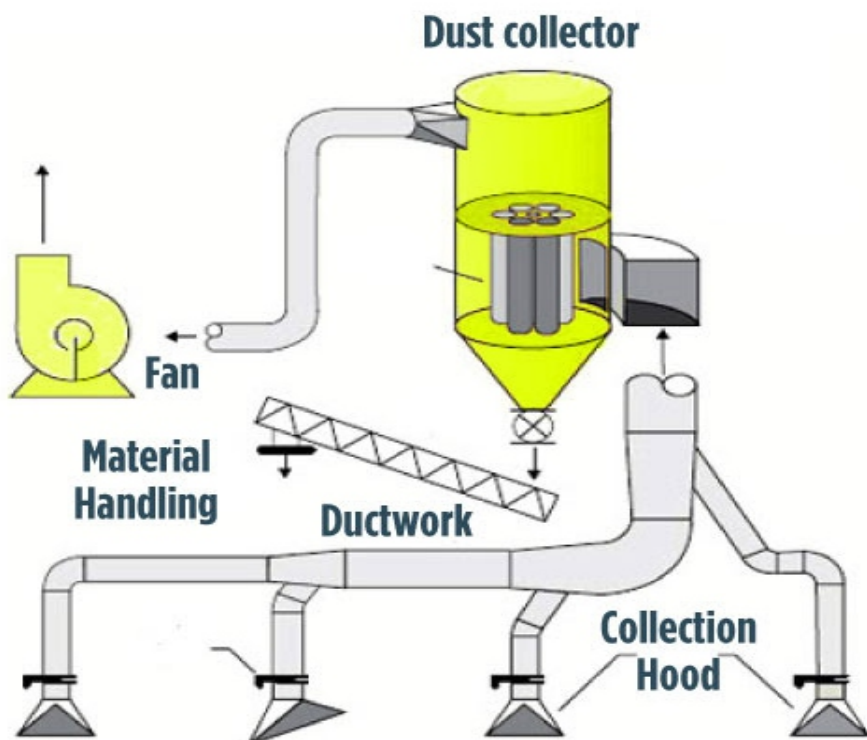
We designed to provide superb suction performance combined with simple operation. The units are Very versatile allowing use in a variety of different applications.

The Unit also suitable for hazardous materials such as asbestos and with the addition Of ancillaries, liquid collection, floor drying and bulk product recovery is well within The higher capabilities.

These are available in various sizes and can be customized as per the client's specifications



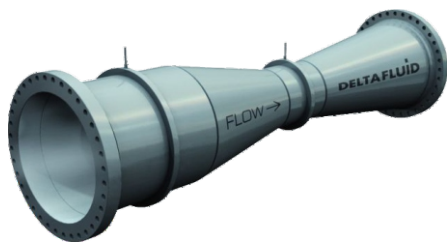
MAJOR PARTS OF A DUST COLLECTION SYSTEM



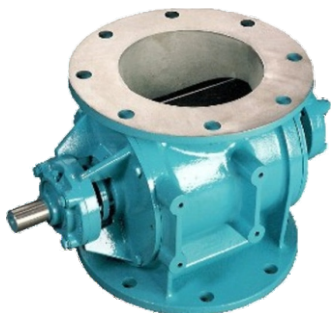
VENTURY EDUCTORS / AIR CONVEYOR NOZZLES

Ventury eductors for use in transporting powders, pellets, and bulk solids, typically using motive pressures less than 14 psig. Fox provides complete ventury transport systems, including blowers, valves, receivers, etc.

We make the nozzles in different sizes and as per customer's requirements. Ventury eductors made in SS & MS.



ROTARY AIR LOCK VALVE



Rotary Airlock Valves are a type of rotary feeder and are often referred to simply as a Rotary Airlock or Rotary Valve. They provide feeding and metering functionality of a standard rotary feeder but their primary duty is to maintain pressure and provide an optimal airlock seal between different product conveying transitions, such as gravity to pneumatic conveying lines. An optimal airlock condition is essential to prevent air pressure loss in high pressure and high temperature conveying systems.

We can supply Rotary Air Lock feeders from 1 TPH to 5 TPH capacity and inlet sizes ranging from 150 mm to 450 mm in round shape. These are also available in various sizes and can be customized as per the client's specifications

SCREW CONVEYOR

Screw Conveyor is mainly used for conveying the materials in various industries. We make the conveyors in different sizes and as per customer's requirements. Screw conveyors made in SS & MS.

Material Handling Capacity: 50 kg/Feet to 200 Kg/Feet

Length: 2 Feet to 20 Feet

These are available in various sizes and can be customized as per the client's specifications



ROOTS BLOWERS

We offered Industrial Roots Blowers are suited for a multitude of efficient as well as compact solutions. Ensuring the personnel safety and equipment reliability, these have been engineered for uninterrupted duty as well as maximum reliability. Provided with a time tested lubrication system as well as improved designs, these ensure accurate oil distribution to the timing gears. Provided with a lengthened bearing life, these have been designed to cut down pressure losses. Industrial Roots Blowers are applicable for trucks, materials handling and vacuum filtration. These electric Industrial Roots Blowers are made of cast iron and some other materials.

These are available in various sizes and can be customized as per the client's specifications



ROOF EXTRACTORS / ROOF VENTILATORS

Roof-mounted fans eliminate the harmful effects created when high temperatures and humidity make work and physical effort difficult. They also help extend the life of the structural elements of buildings and warehouses by preventing condensation and humidity. An adequate ventilation system in industrial buildings will considerably reduce cooling and heating expenditure. This type of system easily, continuously and effectively eliminates heat and humidity.

Capacity: 1000 CMH to 5000 CMH (These are available in various sizes and can be customized as per the client's specifications)

Size: 450 mm to 1200 mm



SPOT HUMIDIFIER

We Offer high capacity evaporation, effective mist dispersal, completely self-contained, automatically controlled, water atomizer, air distributor designed for minimum maintenance and very low operating cost.

Generally used in Textile, Tea, Tobacco Cashewnut industries etc



Air Ventilation / Air Cooling Systems & Room Pressurization Systems

Jobs are undertaken for supply and Installation of Centrifugal / Axial fans, Panel Filters, Air washer & Cooling Systems with connecting duct work as per our design or Client's specifications.



AIR HANDLING UNIT AND AIR COOLING



We offer superior quality air handling unit, Air Cooling systems and Room pressurization systems. Air handling units' condition and distribute air within a building. Air cooling system and Room pressurization System that work on the principle of cooling outside air by passing it over water-saturated pads, causing the water to evaporate into it. The cool air is then directed into the required space, and pushes warmer air out through the given vents. Air cooling Unit is a very energy-efficient means of cooling. Some of this return air might be recalcuated back into the fresh air supply to save energy.

Our range is specially designed to purify air. These are available in various specifications to suit different requirements of clients.



PRODUCTS

- AIR POLLUTION CONTROL SYSTEMS
- ALL TYPES OF CENTRIFUGAL FANS & BLOWERS
- DUST EXTRACTION & POWDER RECOVERY SYSTEMS
- PNEUMATIC CONVEYING SYSTEMS
- CYCLONE SEPARATOR, BAG FILTERS & DUST COLLECTORS
- FUME EXTRACTION / PORTABLE FUME EXTRACTOR
- GAS SCRUBBING / VENTURY SCRUBBING SYSTEMS
- COAL HANDLING SYSTEM
- ROTARY AIR LOCK VALVES
- ROOM PRESSURIZATION SYSTEMS
- AIR COOLING & AIR VENTILATION SYSTEMS
- TUBE AXIAL FANS & INDUSTRIAL EXHAUST FANS



MITTAL BLOWERS INDIA PVT. LTD.

DESIGNERS & MANUFACTURERS OF CENTRIFUGAL FANS & AIR POLLUTION CONTROL SYSTEMS
PLOT NO.: C/17, KRISHNA INDUSTRIAL PARK - 2, NR. ROYAL GALAXY IND. PARK
OPP. LAKE, SHIV BHUMI ESTATE ROAD, KUBADTHAL, TA. DASKROI, A'BAD-382430.
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ISO 9001 : 2015 Certified Company

