

Pollution control equipments

PULSE JET BAG FILTERS



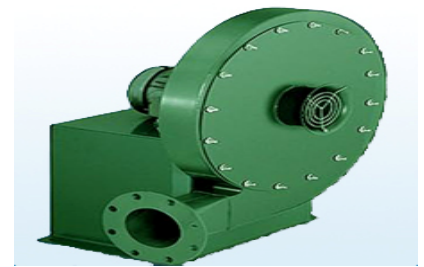
ESSAR offers its product and service with a commitment to continue to solve Industrial Air pollution problems. We are engaged in providing durable pulse jet bag filter that may be designed in pulse jet air systems.

The **pulse jet bag filter** ranges highly appreciated for better collection or efficient filtration. ESSAR systems are designed to achieve the highest performance with online reliability, minimum of down time, minimum expenditure and lowest maintenance of the equipment. We have successful installation at our credit in India on a wide variety of difficult applications . ESSAR offers the pulse jet bag filter at market leading rates to the valued clients.

Special Features

- Low investment and maintenance cost and low assembly work
- Low power consumption combined with high filtration efficiency
- Good accessibility of compressed air supply system
- Simple filter bag replacement
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- Compact construction and therefore modest floor space requirement
- Standard design pressure: 500 mm WG
- Design for up to 1000 mm WG
- Unique design with combination of COMPRESSED AIR JET and REVERSE AIRFLOW cleaning
- Effective cleaning of longer filter bags
- Fully automatic bag cleaning mechanism.

CENTRIFUGAL FANS



ESSAR one of the leading manufacturers and suppliers of centrifugal blowers. Centrifugal Blower is indispensable equipment for air pollution systems. We manufacture quality range of industrial fans which include ID fans, FD fans, SA fans and the mechanical construction of centrifugal blower provides maximum efficiency with minimum maintenance. The fans are manufacture MS, SS, PP & FRP and Alluminium of venous grades. Centrifugal blowers of both SISW and DIDW types. ESSAR fan impeller are statically and dynamically balanced as for IS 4894 standards.

Centrifugal blowers are offered in 3 types such as high pressure, midium pressure, low pressure blowers. Our Centrifugal Blowers are specially designed with different Curves and different widths such as Backward Inclined, Backward curve, Radial tip, Forward curved blade blowers, and etc. We also supply Multi-stage blade blowers, this blowers meet different duty conditions with low pressure, midium pressure, high pressure applications. Our centrifugal blowers are highly acknowledged for its features like low maintainace heavy duty noise less operation and effeciency. For wear resistance for impeller we provide hard facing. Also we make the impller from Sailme/Hordox material.

Range of Product

- Our blower static pressure range from 10 mmWG to 1500 mmWG.
- Our blower cappacity range from 100 m³/hr to 5,00,000 m³/hr.
- Our blower temperature range 0 to 500 c.

Special Features

- We are provided DIDW & SISW blowers.
- High effeciency Low maintenance.
- Low power consumption.
- Low noise level.
- Impeller is statically and dynamically balanced.
- The fans are available in Direct drive. V belt Coupled drive.
- We provide hard fasing by Sailma /Hordox for wear resistance.
- Economic design & affordable & competative price for our cutomer.

CYCLONE SEPERATOR



We are considered to be one of the leading suppliers of quality, corrosion resistant air pollution control equipment like Fume Extraction system and we have several years of Experience in the field of air pollution control equipment. It is increasingly recognized that for increased Productivity, Safety, Health of Manpower and Environment protection is most important. When the people inhales, with the air many type of dust and fumes are entering in to our body These are hazardous to health even small amount of fume may cause asthma attacks. Owing Eco friendly nature we are engaged in supplying Fume Extraction systems this helps you to capture and control of fumes, smoke and dust omitted from Welding, EDM, Induction hardening, Diesel gensets, Fume killer etc... Our Fume Extraction System products are anti corrosive. In order to live up our reputation we use only best quality raw material and hi-tech machines in manufacturing process. These Fume Extraction System is mainly designed for removing the hazardous fumes and gases from various industries. The Fume Extraction systems are highly praised among our clients due to its appropriate factors like Corrosion Resistant, Long life period, Durable, High performance and Effective fast.

MULTI CYCLONE SEPERATOR



Multi Cyclone seperator is equipment which extracts the dust form the generating points and retains dust particles inside the dust collectors and lets clean air to the atmosphere. **MultiCyclone seperator** varies widely in design, operation, according to the nature and quantum of the dust generated. Some of them are Bag House Filters or Bag Filters, Cyclones, Wet Scrubbers, Baffle chamber, ESP etc. Filter Media vary depending upon the specific nature of the dust and temperature. We are enlisted amongst the prime Dust Collectors Manufacturers and Suppliers in India.

Bag Filters are widely used in Cement Factories, Minerals Processing Operations, Steel Plants and many more places because they provide high collection efficiency. Air is cleaned by passing through filters usually a fabric type is used. The cleaning of bags is done by Pulse Jet, Mechanical Shaking, and Reverse Air Flow Systems.

Multi Cyclones Dust Collectors are used where less quantity coarser dust particles are generated as in Woodworking, Metal Grinding, or Machining. Cyclones are used as pre collectors to reduce the loading in bags. Baffle Chamber is used when high efficiency is not considered or used as pre collectors.

We produce dust extraction and collection systems that are widely used in industries. Our dust collectors are highly consistent in performance, durability and sturdy construction. Our dust collectors efficiently remove particulate matter from air and in an affordable manner. Dust collectors avoid air borne pollutants in all forms such as particulate, dust/Gases and fumes.

Using advanced technology and outstanding technical support we manufacture high quality industrial dust collectors. Dust collectors are fabricated using quality tested raw material. These are mainly used for extraction and collection of fine & coarse dust particles from different processes such as chemical, grinding, buffing, polishing, wood dust, pulverizing, and packing.

Cyclone dust collector has various advantages:

- Reliable and Low maintenance.
- No combustible filters
- Hot dust/chips can be handled safely

VENTURI SCRUBBER



We are counted amongst the Air polluted industries which are involved in offering Air pollution control Equipment like **Venturi scrubbers**, Wet scrubbers, Belt conveyors, Fume Extraction System, 900 & 1800 conveyor , Air classifier Mills, Roller conveyors, Double cone Blenders, Seed coating Machines, Coated Dryers and Blenders.

Our **Venturi Scrubbers** are fabricated using best quality material and These offered High efficiency **Venturi scrubbers** are used for receiving gaseous components as well as particulate matter from gas stream usually using water as a scrubbing medium. We fabricate these in the presence of our Engineers to meet client's specification.

These **venturi scrubbers** are highly appreciated among our client's due to their sturdy construction, high quality and long life. These are used in industrial applications to reduce the contamination level of flue gas and for the removal of both gaseous as well as particulate pollutants, We will offer this in various specifications. Feature of **Venturi scrubber** is High performance, Best quality, Timely delivery, Posses high pressure recovery, Easy to install.

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