



www.essarairsystems.com

An ISO 9001 : 2008 Certified Company

ABOUT US

ESSAR ENVIRO AIR SYSTEMS has been in the business of Air pollution control equipment and Material Handling Equipment since 2007. Our standards of air pollution control systems in terms of air emission, efficiency & power demand are in line or better than industry norms. Our Material Handling Equipment are in Operation in Industry like Cement, Steel, Fertilizer etc..., We utilise most innovative and state of art technology in all our equipment manufacture and offer our customer a total solution rather than mere supply.

We have R&D facility for specific to customer need. We have experienced Engineers in Design, Manufacturing & Erection. ESSAR team is a qualified and experienced in the technocrat and entrepreneur. We have modern facility of Manufacture for the fabrication, Machining, Assembly and testing. we have a tight quality control system. we offer onestop solution to our customer. ESSAR getting repeat orders for our all over India customers, which is a proof of our quality and reliability. We also executed export orders.

We also **ISO 9001:2008 Certified Company**



Mission

Mission way of thinking philosophy, what we live for... call it what you want you'll find it below. Introduce yourself to the way we think.

"To TRANSFORM our spheres of influence and to improve the quality of life by building institutions that provide better ACCESS to better dust & pollution free services to more people ..all the time".

We aim at supplying the best products in the markets that give maximum satisfaction to our clients and help in keeping the environment clean.

Vislon

To develop energy efficient systems by doing equipments continous research & development. By keeping in the view of end user requirement. fThe ESSAR ENVIRO AIR SYSTEMS design, manufacture and supply at affordable cost with high features.

Our Products

Air Pollution Control Equipments

- * DUST COLLECTOR (PULSE JET BAG FILTERS)
- * CENTRIFUGAL BLOWERS
- * FUME EXTRACTION SYSTEMS
- * CYCLONE SEPARATORS
- * MULTY CYCLONE SEPARATORS
- * SCRUBBERS

Material Handling Equipments

- * SCREW CONVEYORS
- * BELT CONVEYORS
- * BUCKET ELEVATORS
- * ROTARY AIR LOCK VALVES
- * AIR SLIDES



CENTRIFUGAL BLOWER

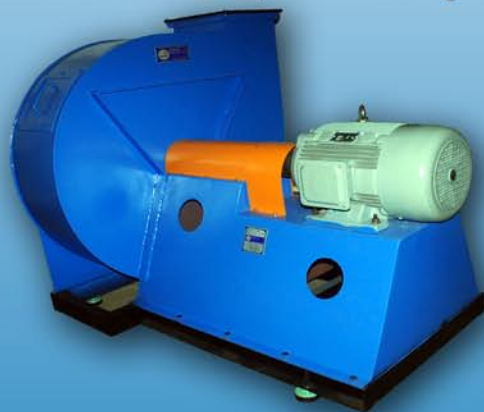
ESSAR one of the leading manufacturers and suppliers of centrifugal blowers. Centrifugal Blower is indispensable equipment for air pollution systems. We manufacture quality range of industrial fans which include ID fans, FD fans, SA fans and the mechanical construction of centrifugal blower provides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

Our Product Range

- * 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 staticaly and dynamicaly 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.



Applications

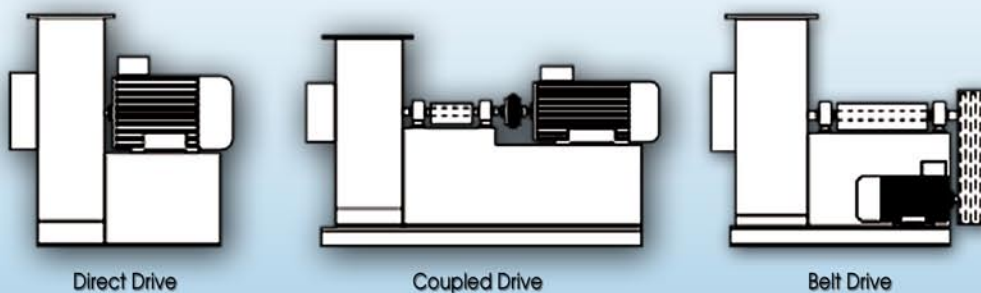
- * Cement plants
- * Chemical plants
- * Foundries
- * Cinema Theaters
- * Power plant
- * Food Industry
- * Ceramic Industry
- * Wood Industry
- * Sponge Iron/Steel plants
- * Plastic Industry
- * Rubber Industry
- * Glass Industry

Centrifugal Blower - Type of Fans

Backward curved, Backward inclined, Radial tip blade, Forward curved, Air handling, Material handling, long shavings(open type), Multi-stage blade blower, Radial blade blowers.



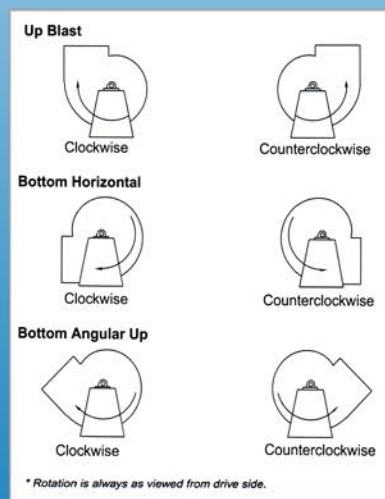
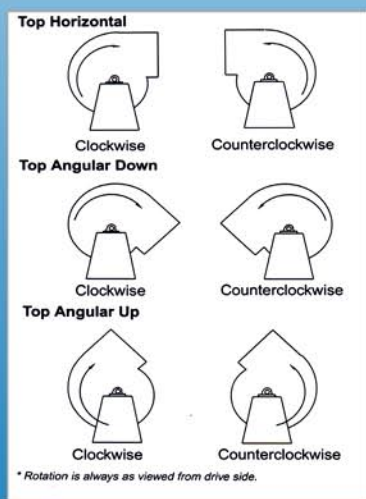
Drive Arrangement



Spare Parts

Impeller / shaft with Hub / Inlet-out let control dampers
 Antivibration mountings / Cooling disc / shaft seals
 Inlet -out let flexible connections

Rotation Charts



ESSAR

ENVIRO AIR SYSTEMS

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POLLUTION CONTROL SOLUTIONS

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