

www.anaghaengineering.com



Anagha Engineering Systems





Anagha
Engineering Systems
ISO 9001 : 2008

Systems

- Fresh Air/ Exhaust Air/ Ventilation.
- Evaporative Air Cooling.
- Dust Extraction/ Collection.
- Fume Extraction.
- Spray Painting/ Powder Coating Booths.
- Kitchen Fume Exhaust.

We introduce ourselves as one of the leading manufacturer of ventilation and air pollution control equipments and systems. We undertake the Design, Manufacture, installation & commissioning and various air handling systems on turnkey basis.

We are a renowned name in the industry in manufacturing a range of air handling equipment in India, with progressive growth every year. Committed to deliver high quality products and services.

Anagha Engineering offers you various ranges of industrial valves for all your process handling needs. Our strength is quality products at affordable prices, prompt delivery and the unflinching commitment to excel. Continuous development & products improvement is our motto.

We believe that there is no end to improving process and quality. We are continuously striving to improvise quality excellence and cost efficiency. And we belief only by maintaining supreme quality, we can earn success and always lead the industry, while setting an example for others. We design & produce, manufacture and market the air handling equipments.

We have continually worked to develop innovative and quality products and earned a reputation for technical excellence in this industry. Building a reputation in the field by providing proven in terms of Perfection, Precision and Innovative Products Design with best possible quality / competitive price ratio.

Services & Systems

We, the one-stop-solution for various industrial needs are well equipped with latest machines and technology essential in the manufacturing process. We are committed to ensure total quality or our products and services. We ensure total quality by choosing the highest grade and latest technology components and processes, ensuring that the final product is what our customer had desired.

For us the quality means convenience and benefit, also. We always ensure that the breakdowns are kept to minimum, the parameters are accurate and the total cost, i.e. capital cost + running cost + maintenance cost, is the least. To ensure that most efficient after sales-service to our customers we employ technically sound engineers to solve the problems independently, efficiently and timely.

A designing section is available with all state-of-the-art equipments and facilities, which enables us to design and develop excellent pollution control equipment. Our talented team of designers is capable of manufacturing products according to the specifications of the buyers. We understand the exact requirements of industries, which helps us in designing and developing equipments with the commitment of ensured better performance.

ANAGHA AXIAL FLOW FANS :

ANAGHA Axial flow fans impellers are made of cast Aluminum Alloy with efficiency aerofoil section blades. The fixed pitch blades are firmly attached to a central cylindrical casing to ensure high efficiency and uniform flow of air completely covering the blades space at lower power consumption. The exactly configured hub-disc minimizes the air loss due to re-entry.

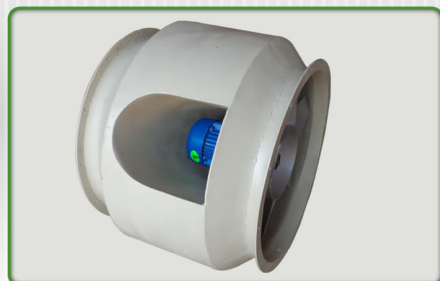
ANAGHA Axial fans are available in direct drive/Belt drive, blades with fixed & variable pitch Arrangement.

Single stage :

Capacity upto 2, 00,000 cu.m/hr. Pressure up to 50 mm wg. The biggest Single stage direct driven fan is with 200 HP/4 pole motor & dia.1600mm, capacity 2,00,000cu.m/hr.



ANAGHA BIFORCATOR FANS :



Bifurcated Fans are direct driven axial fans where the motor is encased in a metal box to isolate it from the airflow. This makes bifurcated fans ideal for exhausting or recirculating fumes, gases and hot air up to temperatures of 200°C in standard form or 300°C for our high temperature bifurcated range. The motor must have access to ambient air. The fans have non-overloading characteristics.

ANAGHA CENTRIFUGAL BLOWERS :

Anagha Industrial Centrifugal Blowers are a heavy duty, highly efficient line of material handling and air moving blowers, incorporating all the latest improvements to meet the requirements of application in ventilation, foundries, engineering industries and chemical plants. These blowers find special use for conveying materials such as grain, saw dust, wood shavings, etc., where the material passes through the blower. Blowers are made in size 10 to 160 with air handling capacities of 300 m³/hr to 2, 00,000 m³/hr against system resistance up to 1000mm W.G., at a density of 1.2kg/cum

Special construction:

These industrial blowers can be manufactured in M.S., Stainless Steel/GI /PP FRP etc. When required to exhaust corrosive fumes, coating with special corrosive resistant paints or FRP lining can also be offered on request.



ANAGHA LIMIT LOAD BLOWER :



Our Limit Load Blowers are available in single inlet single width design with backward curve, forward curve, straight radial impeller for low, medium and high pressure applications. The blowers are fabricated in M.S., S.S, etc., depending on the kind of application with circular inlet and rectangular outlet. The impellers are precision balanced for smooth vibration less operation. It is available in following specifications:

- > Rotor Diameter: 200mm to 2000mm
- > Air Volume: 100CMH to 200,000CMH up to 1800mmWG static pressure

Our limit load blowers that are available in single inlet single width and double inlet double width design. The limit load blowers also have double current backward tip bladed impellers that are used in low pressure applications. Our range of limit load blowers can be availed in the following specifications:

- > Rotor Diameter: 450 mm to 2050 mm
- > Air Volume: 3000 CMH to 250,000 CMH up to 100 mm WG static pressure

ANAGHA INDUSTRIAL MAN COOLERS :

Industrial Man-Coolers are designed to impart direct drafts of air on men, materials and machines. They are especially advantageous in hot locations and ventilation of hot and confined spaces, such as foundries, steel mills, work-shop or similar places. Rapid man coolers are powerful, quiet and reliable portable fans, which provide instant and controllable air movement wherever it is needed.

Man coolers are available in three types

- > Pedestal type Man cooler
- > Tubular type Man cooler
- > Shaft (wall mounted)Man cooler



ANAGHA ROOF EXTRACTOR :



Anagha Roof Extractors are having efficiency, low noise level, robust construction and are vibration free as per VDI-2056 with Aero-dynamic testing as per IS-3588 for Axial Flow fan Type & IS-2313 for Exhaust fan Type

ANAGHA Roof Extractors are 100% leak proof and are also available with Flame Proof and vapour-tight motors. Hence, it can be installed in sensitive areas like Warehouses, Food Corporation Go-down, Turbine Halls, Machine Shops and Process Industries etc

ANAGHA CYCLONE SEPARATORS :

Cyclonic separation is a method of removing particulates from an air, gas or water stream, without the use of filters, through vortex separation. Rotational effects and gravity are used to separate mixtures of solids and fluids.

Industrial processes generate contaminants in different sizes, which can be economically separated by cyclones. We offer high efficiency cyclone separators designed to effectively remove large to moderate size particles (such as wood chips, metal grinding, saw dust, etc) from air / gas stream. We achieve high efficiency performance by use of optimum long taper cone, high velocity inlet and welded helix. Typical applications are: buffing, polishing, fiber glass/ plastic, sawing, grinding, wood working, machining, etc. We offer a variety of configurations such as individual, series & parallel operations depending on the application.



ANAGHA UNIT DUST COLLECTORS :



ANAGHA unit dust collector s are compact with inbuilt centrifugal exhaust blowers. The units will have polyester filter bags with auto pulse cleaning system. Dust collection trays are provided at the bottom of the unit. Since the blowers are developing high vacuum are prone to make noise to control the noise level, the fan outlets will have acoustically treated sound absorber. Suction hoods with MS ducting/PVC flexible hose will be connected to dust collector.

Manual cleaning (Mechanical shaker) & pulse jet cleaning both models are available.

ANAGHA BAG FILTER(BAG HAOUSE) :

Commonly known as bughouses, fabric collectors use filtration to separate dust particulates from dusty gases. They are one of the most efficient and cost effective types of dust collectors available and can achieve a collection efficiency of more than 99% for very fine particulates.

Dust-laden gases enter the baghouse and pass through fabric bags that act as filters. The bags can be of woven or felted cotton, synthetic, or glass-fiber material in either a tube or envelope shape.

The three types of ANAGHA bag filters are :

- > Mechanical shaker bag house
- > Reverse air Bag house
- > Pulse jet



ANAGHA FUME SCRUBBERS(WET COLLECTORS) :



We offer various gas scrubbing solutions wherein, Waste gases are sucked with the help of centrifugal blower or by vacuum created at ventury. A scrubbing liquid is made to flow in counter current direction to the gas flow. The packing media present in the column offers large mass transfer area thereby causing the gas absorption process. The mist created by spray nozzles is eliminated by mist eliminator. The treated gases coming out of scrubber are released to atmosphere through chimney.

Types of Wet c(scrubbers)

Spray-tower scrubber wet scrubbers may be categorized by pressure drop as follows:

- > Low-energy scrubbers (0.5 to 2.5 inches water gauge - 124.4 to 621.9 Pa)
- > Medium- to high-energy scrubbers (6 to 15 inches water gauge - 1.493 to 3.731 kPa)
- > Packed bed scrbbers Vertical/ horizontal
- > High-energy scrubbers Ventury scrubbers

ANAGHA AIR HANDLING UNIT :

Air Handling Units are often called AHU. The air-handling unit is box-like equipment with a fan and a cooling coil inside. Some units also contain air filters. The whole fan and motor assembly, comprising shaft, bearings, pulley, belting is usually put inside the AHU.

Air Handling Units represent an important contribution to the improvement of our living environment. We maintain the quality of AHU which we deliver to the customers. Designed to operate at low, medium and high pressures, our units are made using a modular system that includes 18 sizes and can thus satisfy a wide range of flow rates



ANAGHA SPRAY PAINTING BOOTH:



Anagha Spray Painting Booths with pump without pump are very popular, and widely used by a number of leading Industries all over India.

Anagha Booths comprise of a collecting section and a booth section. A closed cycle water system is employed in Anagha booths. The principles of paint fumes coming in contact with water and being scrubbed as shown in the diagram on the right. The drawing of the paint fumes into the water and exhausting it after being scrubbed, is achieved by the use of Centrifugal fans. These fans can be located at any suitable position and can be connected to the booth by a suitable duct run. The tubular light fitting provided in the booth gives necessary illumination for painting.



Fume Extraction System



Dust Collection System



Electro Static Filtration



Air Handling Unit



Welding Fume Extraction



Wood Saw Dust Collector



Bag House



Anagha Engineering Systems

SYNo.49/3.#12, S.L.V.Industrial Estate,
Opposite to Shushruti Bank, Andhrahalli Main Road,
Peenya 2nd Stage, Bangalore - 560058
Ph: +91-80-64507439, Fax: 080-2836 5667,
Mobile: +91-98804 70436, +91-98453 66338

E-mail: anagha_aes@rediffmail.com,
info.anagha@gmail.com
Website: anaghaengineering.com

