



PRODUCT PORTFOLIO

EKAGGO
AIRTECH
INNOVATING COMFORT

Mfg.& Exporter of HVAC, Clean Room,
Air Handling Unit & Equipments.

About Us

Air Or Vayu is one of the most important element of nature that we are blessed with. Not only does the air keep us alive it is also the primary element that makes us feel comfortable. With the growing global temperatures, we are turning to modern HVAC systems to keep ourselves comfortable while the global outside temperatures rise. With the rising trend in Global temperature, it is only fair that world is looking up to efficient HVAC systems.

Ekaggo meaning Tranquil or Calm in ancient Pali derives our purpose and aim. We at Ekaggo Air strive to live up to the meaning of the name. Our endeavor to deliver Tranquility and calm Air through our products keeps us in a never ending process of delivering excellence and purity. We strive to make Air - Pure, Simple, Tranquil and Affordable. Our product range is crafted to cater to Pharmaceutical industry, commercial space, Hospitality Industry, Residential Space. Our aim is to tailor fit our products to customers' needs to deliver the essence of Ekaggo Air.

Why us ?

- ✓ Ekaggo Airtech Pvt Ltd. Is a registered company specializing in manufacturing of Air Handling units, Air shower, cooling and heating Coil, Fan Coil Units, Laminar Air Flow, Pass box, Clean room project and Modular Operation theater projects.
- ✓ All our products are custom engineered to fit your needs and specifications. Our engineering team will extend their full support in making your requirement and specification into a high quality product.
- ✓ We manufacture range of AHUs that find application in Hospitality, Pharmaceutical and Medical industry. We manufacture all types of AHUs - Single skin air handling units, double skin air handling units, Floor Mounted, Ceiling mounted and Ventilation units.
- ✓ We manufacture range of Air Showers that find their application in medical, research laboratories, food processing and pharmaceutical industry.
- ✓ We undertake Clean room projects to deliver partition panel, quality metallic doors. We have an experienced team dedicated to designing and engineering custom clean rooms to meet unique and stringent requirements for pharmaceutical, medical and industrial clean room clients.
- ✓ At Ekaggo we are in constant pursuit to attain and surpass highest quality product and on time delivery. Your organization can be assured of receiving a high quality product by the agreed time.

MODULAR OPERATION THEATER

At Ekaggo we design and deliver Modular Operation Theater that are designed keeping in mind the hygiene requirements of the Operation Theater. Special emphasis is given to the wall, ceiling and slanted panels, and are designed for incorporating not only electronic equipment, medical gas system and lighting gears but all the necessary functions and equipment that may be needed.

The Modular nature of the design provides scope for future expansion and addition to the existing facility. The prefabricated operating theater offer the advantage of speedy construction combined with precise design, future expansion and development in surgical technique whilst simultaneously providing a structure of the highest quality and standards.



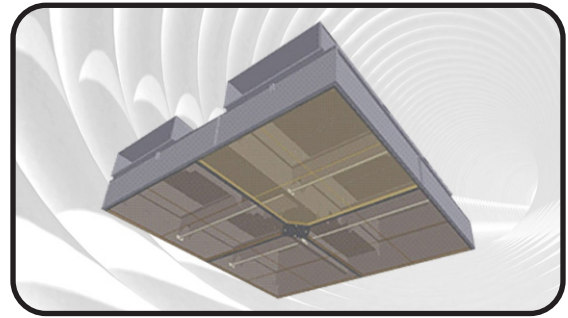
FEATURES

- ✓ A Continuous flow of highly filtered 'bacteria-free' air is reticulated under positive pressure into the operating.
- ✓ Field and air contaminants generated during surgery are removed from the site. With anti bacterial paint has minimum durability of 15 year.
- ✓ Seamless
- ✓ Easy to clean steam cleaned, electro metric (ideal for high humidity areas)
- ✓ Vapor permeability (allows substrate moisture to escape) protects against
- ✓ growth of bacteria, mould and yeasts
- ✓ Moisture resistance, freeze / that resistance

Modular Operation theater components

Laminar Air Flow

Supply of Ceiling Suspension Galvanized / CRCA Sheet Powder Coated Construction Laminar Air Flow Housing with Low leakages G.I. Gear operated / Volume Control Damper, Side Connection, DOP Testing arrangement, Pressure Plate to fixing of filter, Internal arrangement for fixing of HEPA Filter with Mini Plate HEPA Filter And Aluminum Capsule Perforated Supply Air Grill.



Flooring

We use high quality antibacterial PVC floorings that are stain proof, easy to clean to keep our modular operation theater Anti-Static. We offer multitude of Color options and designs.

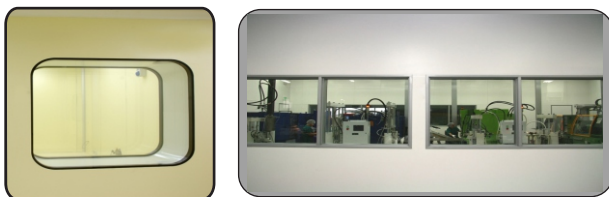
Scrub Sink

Our modular operating theaters are equipped with stainless steel surgical sinks. We design and manufacture according to the layout plan of operating theaters. Our manufactured surgical scrub sinks are durable and easy to maintain.



View Window

We design special Double insulated fixed glazed toughened glass enclosed in a Powder coated Aluminum window frame flush mounted with all Paneling to be installed in Modular operation theater projects.



Hermetically Doors

To maintain satirically and the correct air pressure in the room, we use hermetically sealed sliding doors. The door can be operated manually or automatically with microprocessor based electronic automation system. The door frame is made out of high quality anodized aluminum extrusion and the door panel is made out of compact laminated board that can withstand high abrasions. The door will run on rubber rollers and guided with nylon runner guides which are fixed to the door in such a way that they do not obstruct trolley movements through the door. The controller will be capable of either being operated by elbow switches / foot Switches, radar switch (touch less sensor). All doors will be able to be operated manually easily in the event of failure power supply or the automation Unit.



The Wall & Ceiling

Stainless steel, powder coated / pre coated modular wall panels are used to maintain the sterile nature of the Operation theater environment. To maintain laminar flow the corners of walls, floor and ceiling are rounded, which also makes cleaning easy. We also use special antibacterial sealant in the joints to ensure hygiene. We offer a selection of ceilings to suit all surgical application. Supplied with optional air conditioning and control system or as a part of an existing mechanical service system.

Surgical Control panel

We offer complete set up of Modular Operation Theater Control Panel. Safety standards are key factors taken into consideration and well adhered to. We assure that we assist in offering the complete set up which is defect free and easy in handling. We assure that each part is reliable and safe in use and thus give better performance. Our Panels are micro controller based electronic control mounted in the theater wall panel. The control panel is user-friendly and easy to operate and maintain.



CLEAN ROOM

We undertake Clean room projects to deliver partition panel, quality metallic doors. We have extensive experience designing and engineering custom cleanrooms to unique and stringent requirements for pharmaceutical, medical device and industrial cleanroom clients. Our engineering team undertakes the designing and provides complete design specifications

- ✓Modular, standard, soft wall and hybrid.
- ✓Custom equipment enclosures.
- ✓Glass panel walls.
- ✓Negative pressure plenum with HEPA FFU, Open plenum with mixing boxes, ducted with static HEPA.
- ✓Positive and negative pressure rooms.
- ✓Exhaust systems – standard and BIBO.



FEATURES

- ✓ Class 100, class 1000, class 10k, class 100k clean rooms
- ✓ ISO5, ISO6, ISO7 and ISO8 clean rooms
- ✓ Hard wall and soft wall
- ✓ Design Include Floors, walls, doors, windows, ceilings, structural
- ✓ Temperature and RH control
- ✓ Modular Field Assembly
- ✓ Modular Preassembly

Construction Options:

Modular, standard, soft wall and hybrid.

Custom equipment enclosures.

Glass panel walls.

Wipe down, wash down, non-combustible, fire-rated, and insulated wall construction.

Filter Options:

Negative pressure plenum with HEPA FFU, Open plenum with mixing boxes, ducted with static HEPA.

Positive and negative pressure rooms.

Exhaust systems – standard and BIBO.

We have extensive experience working with end-users, general contractors, architects and engineering firms.

Cleanroom Engineering Capabilities:

Drawing and Engineering calculations for permits

Professional Engineer review and stamp

AUTOCAD electronic design files

Cleanroom air turnover / cleanroom class

AIR HANDLING UNIT

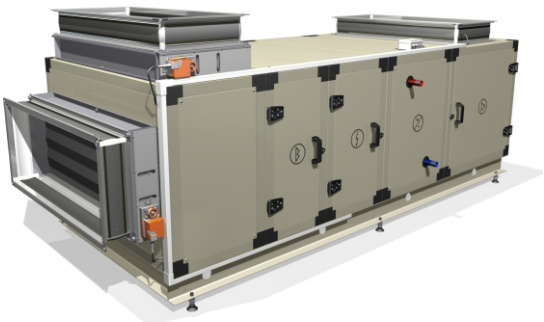
We manufacture air handling systems in various sizes and capacities ranging up to 40000 cfm. Our range of air handling units includes Single skin air handling units, double skin air handling units, Floor Mounted, Ceiling mounted and Ventilation units. These units are highly efficient and are known for unique design, filter frame and unique gasket arrangement. Our units are highly reliable and requires very low maintenance.

With our experience, expertise and the state of the art manufacturing facility we manufacture a wide range of Air Handling Units (AHU) ranging up to 100,000 cfm capacity. Our Design and Engineering team are also capable of delivering any custom project and design custom AHUs as per our clients requirements.

Our Manufacturing Process: -

Our complete manufacturing process starts keeping in mind the stability and strength of our final product. We manufacture AHUs in two variants Such As Aluminum Profile and Stainless Steel. The specially designed aluminum sheets are used for the structure of the unit to provide good rigidity and corrosion resistance. The panels are then injected with CFC free foam to obtain density up to 40 Kg/m³. The entire frame is then mounted on a galvanized steel channel base. The condensate drain pan is fabricated out of corrosion resistant stainless steel and insulated on outside with close cell insulation. The units are designed to deliver performance without vibration and noise.

Our Complete unit assembly consists of imported centrifugal fan, cooling coil, filters, housing and insulation. Additional modules such as thermal break with coved profiles, heating coil, face and pass damper, humidifiers and air mixing chambers are also available based on customer requirement. We also manufacture Units with direct drive plug fans as required by the customer.



DIFFERENT VARIANTS OF AHU'S

Single Skin AHU

Capacity Range –

1200 CFM to 5000 CFM



Salient features

- ✓ Low Height Single Skin Unit.
- ✓ Available in Single Phase Direct.
- ✓ Driven / 3 Phase Belt Driven Variant.
- ✓ Available in Single / Twin Blower Variant.
- ✓ Available With Light Weight Statically Or Dynamically Balanced Blowers.

Double Skin Vertical AHU

Capacity Range –

800 CFM to 10000 CFM



Salient features

- ✓ Available In Single or Multi Centrifugal Fan.
- ✓ Available In Belt Driven Variant.
- ✓ Customized Unit Available Upto 20000 CFM.

DIFFERENT VARIANTS OF AHU'S

Floor Mounted AHU

Capacity Range –

800 CFM to 20000 CFM



Salient features

- ✓ Weatherproof Light
- ✓ Limit switch
- ✓ View glass.
- ✓ Heat recovery Wheel / Heat Pipe.
- ✓ Humidification, Pre / Re-Heat Package.
- ✓ Available in Single / Double Skin Construction.

Ceiling Mounted AHU

Capacity Range –

800 CFM to 10000 CFM



Salient features

- ✓ Low height
- ✓ Available in Single / Multi centrifugal fan
- ✓ Available in Direct Drive / belt driven variant
- ✓ Available in single / double skin package
- ✓ Available in single / three phase variants

Ventilation Unit

Capacity Range –

1000 CFM to 40000 CFM



Salient features

- ✓ Available in Belt driven forward or backward curve fan.
- ✓ Multi-stage filtration available on request.

Clean Room Equipments

AIR SHOWERS

We manufacture an extensive range of Air Showers that find their use in medical, research laboratories, food processing and pharmaceutical industry. We deliver highest degree of quality of products to our customers. Highest quality raw material and highly skilled professionals in conjunction with our state of the art manufacturing facility are employed to produce highly reliable and efficient units.



Salient features

- ✓ Hassle-free operations
- ✓ Low maintenance

HEPA Filter Housing Box

We are Supplier of HEPA Filter Housing Box. We manufacture Standard and Custom dimensions of HEPA Filter Housing Box.

Ceiling mounted HEPA (High Efficiency Particulate Air) filters provide 99.99% efficiency in removing particles 0.3 microns or larger. HEPA filters are evenly distributed across the cleanroom ceiling in sufficient quantities to meet the particular ISO cleanliness standards. HEPA filters can also be grouped or concentrated over your cleanroom to provide a special clean zone.

A typical HEPA filter is a nominal 2' x 4' lay-in type, 99.99% efficient @ 0.3 micron particle size, hermetically sealed, ducted aluminum terminal units. Each unit has an upstream sample port, protective painted aluminum face screen, perforated adjustable damper, and ducted collar.

Standard dimension offering:

1Ft.x1Ft. x 6 Inch to 2Ft. x 2 Ft. x 12 Inch.
1Ft. x 1Ft. x 12Inch



LAMINAR AIR FLOW

Laminar Flow Cabinets complete with HEPA filter having efficiency of 99.97% down on 0.3 microns. pre filter 90 % down to 5 micron, suitable motor blowing assemblies, working table SS top, side Acrylic panel, fluorescent tube Lights & Pressure differential manometer and castor wheels. U. V. Light & Gas cork 7 Plexi doors. Available in metallic construction with attractive epoxy powder coating finish.

We Manufacture

- Horizontal Laminar Air Flow
- Reverse Laminar Air Flow

Horizontal Laminar Air Flow



Salient features

- Double-walled construction
- Close pleated pre-filters
- Long service life
- Hassle-free performance

Reverse Laminar Air Flow

With the assistance of our skilled professionals, we have been instrumental in offering to our customers Reverse Laminar Air Flow Units. These air flow units are suitable for dispensing powder and chemicals thereby minimizing the risk of contaminating the work zone and ensuring the safety of the people involved. These units are made in accordance with the industrial standards and are pre-tested on various parameters to ensure their flawless performance and durability.



Salient features

- Double-walled construction
- Close pleated pre-filters
- Long service life
- Hassle-free performance

PASS BOX

It is designed to minimize traffic and contamination entry into the clean room. It effectively enables parts, tools and other work items to be passed to and from the room. The unit acts as an air lock device preventing ambient air from entering, or clean air from exiting, the clean room.

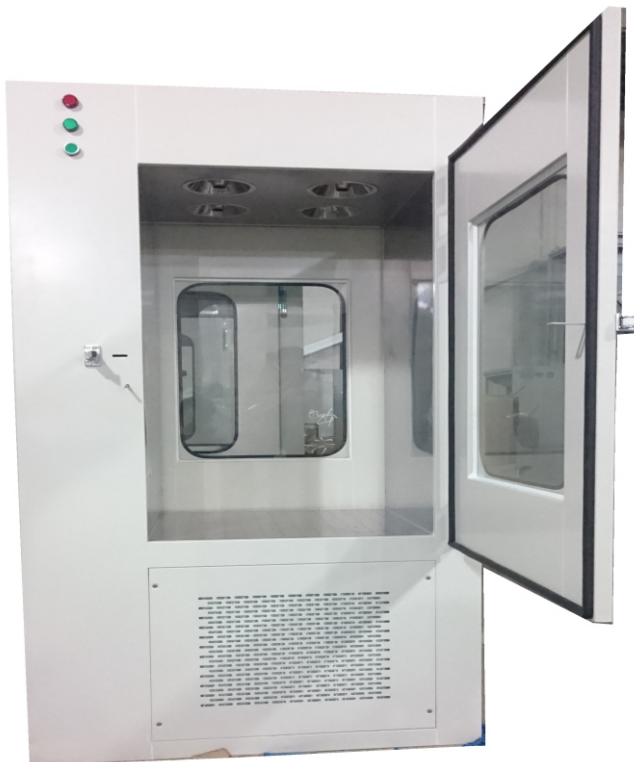
Essential elements in sterile environments in production, quality control laboratories, goods and bulk materials flow areas, in controlled environments. The germicidal treatment provided inside the Pass Box and Pass Trolley is generated by direct irradiation (programmable) with UV-C lamps, ensuring sterility on the surfaces reached and the surrounding air, in turn, previously filtered through absolute H14 filters. An important advantage of this physical (not chemical) disinfection procedure is that bacteria, viruses, spores, fungi, and mites are all sensitive to UV-C radiation, and consequently the microbial load on treated products is eliminated. There are several extensive solutions of optional accessories, designed to offer a solution for every possible requirement. They are ideal to be used in food processing industries, pharmaceutical companies, and precision engineering segments. Designed with utmost precision; the offered box is made in compliance with the latest industrial standards. Moreover, customers can avail this at rock bottom price.

Types Of Passbox

- (1) Static passbox
- (2) Dynamic passbox

Salient features

- Hassle free installation
- User-friendly operation
- Low maintenance



FAN FILTER UNIT

We manufacture a comprehensive array Fan Filter Unit. Our Fan Filter Units are Used for protection against contamination introduced from various sources, such as personnel, general work area, manufacturing, etc. This product is extensively demanded in the industrial sector, commercial sector and residential sector. These filter units are designed using best raw material and contemporary technology under the vigilance of Subject matter expert professions.

Salient features

- ✓ Fine finish
- ✓ Minimal maintenance
- ✓ Hassle free operation
- ✓ Wide variety of sizes and configurations
- ✓ Mini pleat HEPA filter of efficiency 99.999% for supply
- ✓ Close pleated pre - filters for suction 95% for suction
- ✓ Magnehelic gauge for pressure differential
- ✓ Fluorescent light
- ✓ UV light along with hour meter
- ✓ Acrylic/ Poly carbonate side panels



Applications :

- Assembly and cleaning tasks in industry and research,
- laboratories, universities, pathology departments, authorities
- Pharmaceuticals and chemical research laboratories
- University clinics
- Electronic industry
- Optical industry
- Semiconductor production
- System engineering

FAN COIL UNIT

We Manufacture fan coil units that provide trouble free and silent operation. Made using best quality copper and aluminum fins, we manufacture them in horizontal as well as vertical designs. Our FCUs find application in the industrial, commercial and residential sector.

Salient features

- ✓ Rugged construction
- ✓ Silent operation
- ✓ Standard And Custom FCUs
- ✓ Hideaway type ceiling suspended horizontal design
- ✓ Hideaway type units in vertical design
- ✓ Duct able units in single skin and double skin construction



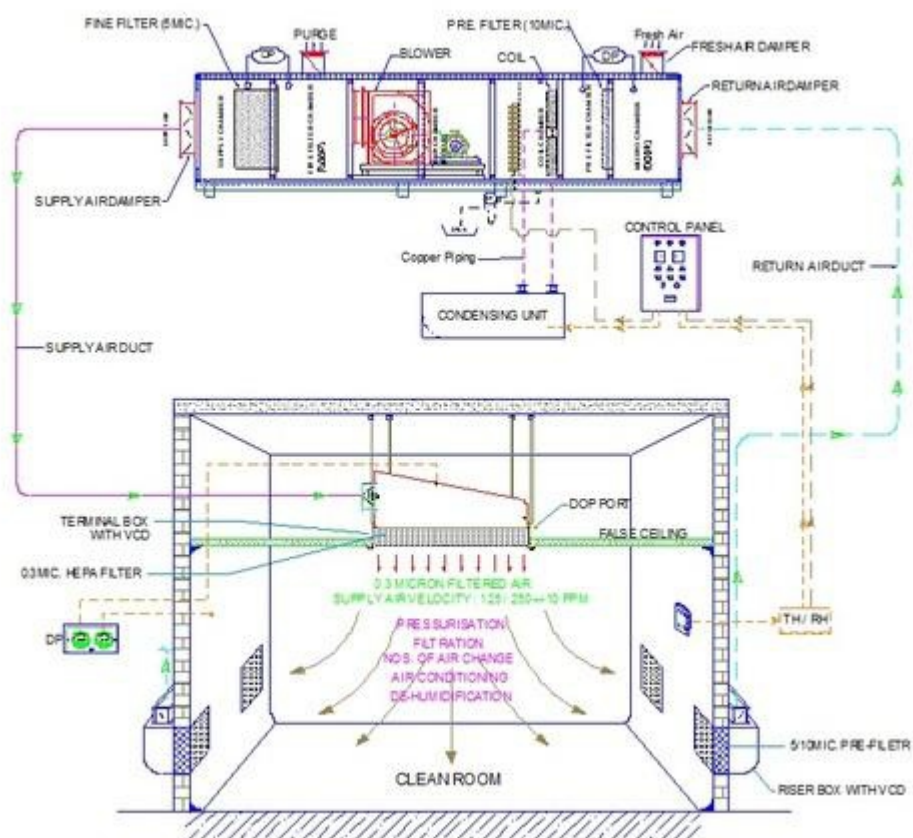
Low Leakage Dampers

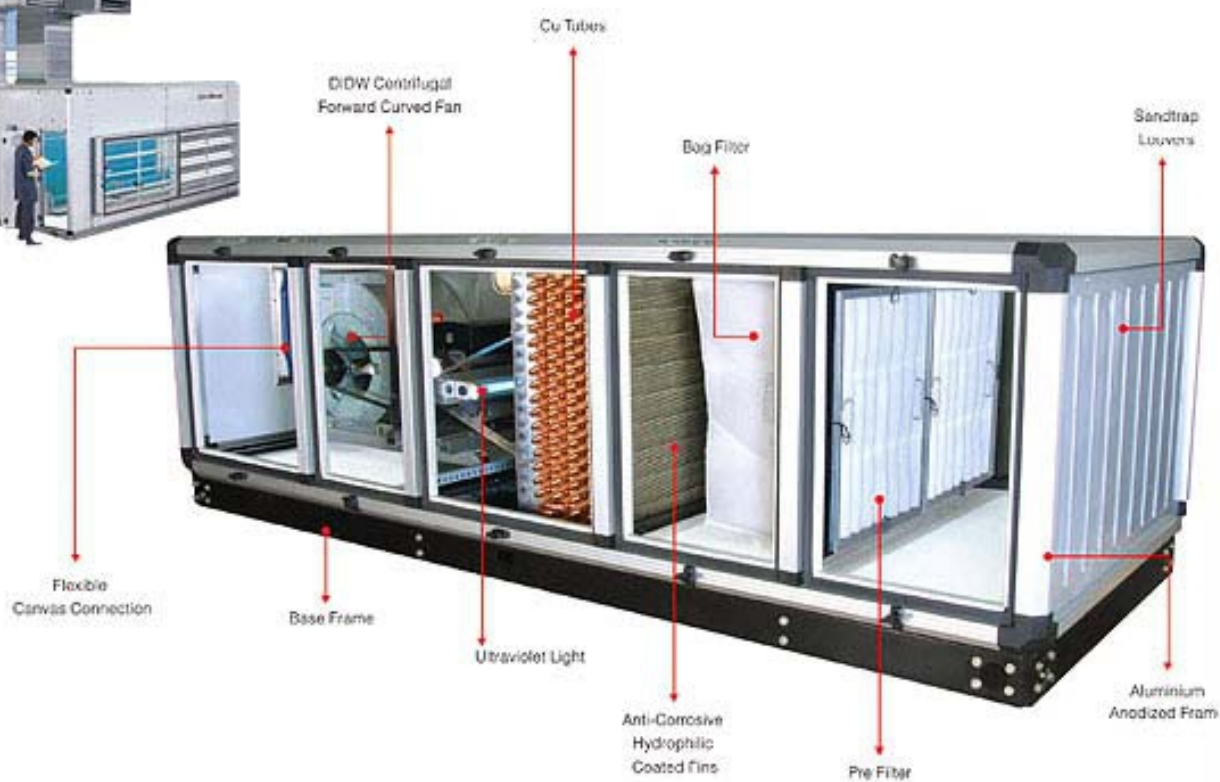
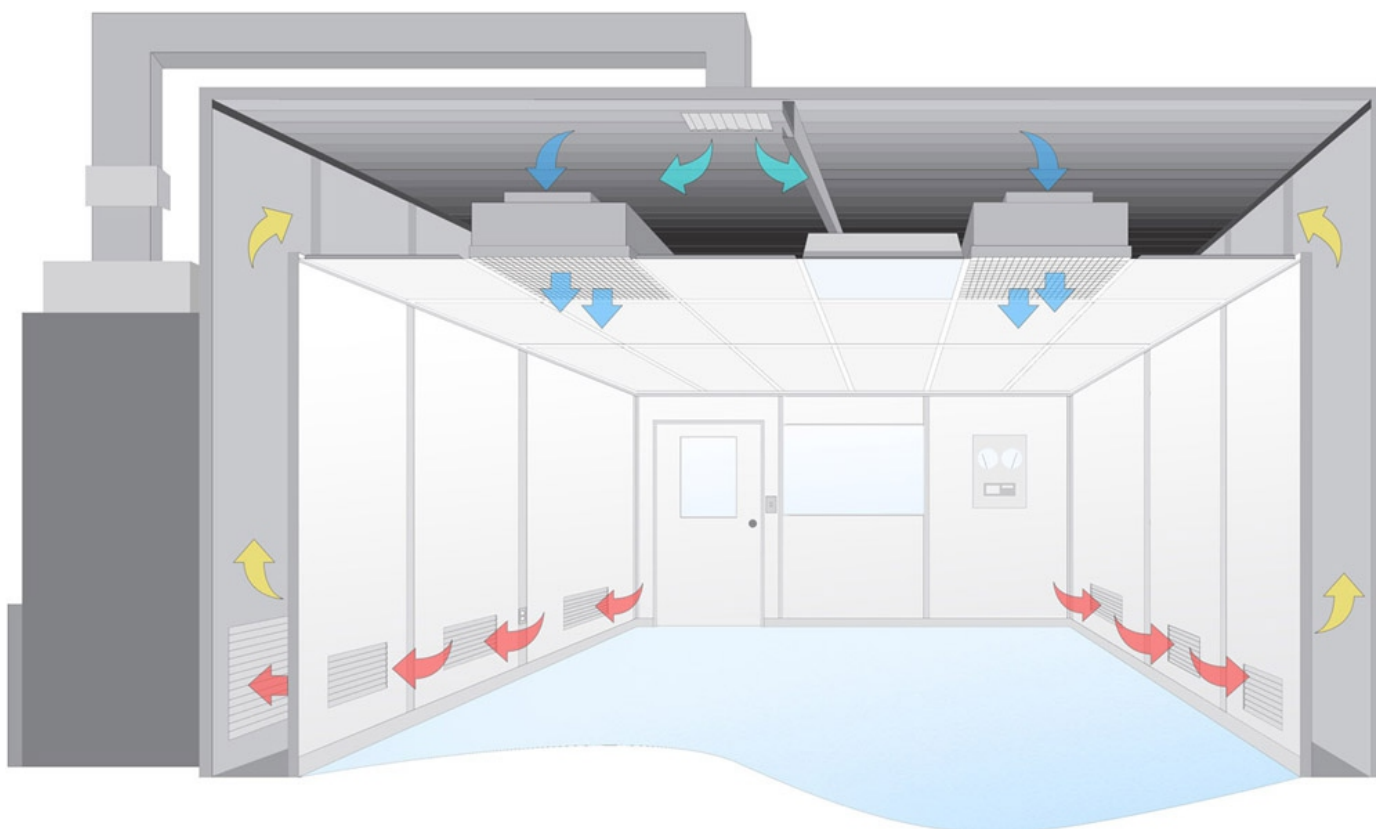
We Manufacture Zero Leakage dampers that are made using special profile anodized aluminum extrusions. We provide variants for operating manually, electrically or using pneumatic actuator. Our units are highly resistant against corrosion and mechanical damages due to their anodized finish. Our units are also smooth and noiseless in operation.

Salient features

- ✓ Made out of special profile anodized aluminum extrusions
- ✓ Concealed type gear train in heavy-duty engineering plastic construction
- ✓ Aerofoil shaped blades with special profile gasket secured in the grooves
- ✓ Smooth and noiseless movement
- ✓ Can also be provided with suitable electric / pneumatic actuator







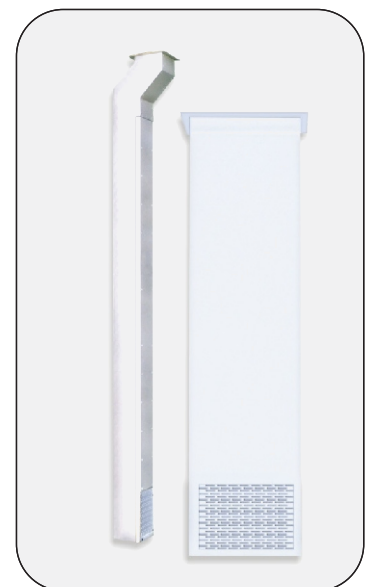
CENTRIFUGAL BLOWERS AXIAL FLOW FAN

Manufacturer & Exporter of Centrifugal Fans & Heavy Duty Centrifugal Fans. Our product range also comprises of Air Handling Units, Fan Coil Units and Industrial Chillers. Our expertise lies in meeting the demands of heavy Duty Centrifugal Fans. These heavy duty fans are made available by us for] operating in high static pressures up to 200 mm. Further, coming in the capacities of up to 5,10,000 CMH (in backward & forward curve blades), these are highly suitable for low noise as well as high pressure applications. Its superior design standards also make them perfect to be used for applications like ventilation, air-conditioning, filtration and conveying system. Heavy duty Centrifugal fans available for high static pressure up to 200 mm Capacity up to 5,10,000 CMH in backward and forward curve blades. Suitable for low noise & high pressure application. Design and supply for ventilation, air-conditioning, filtration and conveying system..



RISER

Manufacture & Exporters of Wide Range of Return Air Riser Made out of 18/20 Swg. CRCA / Galvanize Powder Coated / Stainless Steel 304 Construction for Suitable of Wall Mounted Top / Side Connection With Arrangement of Manually Operated Volume Control Damper , Aluminum Powder Coated / SS 304 Capsule Perforated Grill & 20u HDPE Washable Cassate Type Pre Filter.





EKAGGO AIR TECH PVT. LTD.

**Mfg.& Exporter of HVAC, Clean Room,
Air Handling Unit & Equipments.**



● **Manufacturing unit**

**Plot No.28 & 31, Satyam Industries Estate-1,
Kubadthal Gam Road,
Village- Kubadthal, Dist.- Daskroi,
Ahmedabad, Gujarat, India.**



● **Registered Office**

**B/28/2, Ambica Industrial Estate,
Opp Odhav G.I.D.C. Road no.-15,
Odhav, Ahmedabad, Gujarat, India.**

 **ekaggoairtech@gmail.com**

 **ekaggoair.com
ekaggoairtech.com**



EKAGGO AIR TECH PVT. LTD.



● Registered Office

B/28/2, Ambica Industrial Estate,
Opp Odhav G.I.D.C. Road no.-15,
Odhav, Ahmedabad, Gujarat, India.



● Manufacturing unit

Plot No.28 & 31, Satyam Industries Estate-1,
Kubadthal Gam Road,
Village- Kubadthal, Dist.- Daskroi,
Ahmedabad, Gujarat, India.



ekaggoairtech@gmail.com



ekaggoair.com