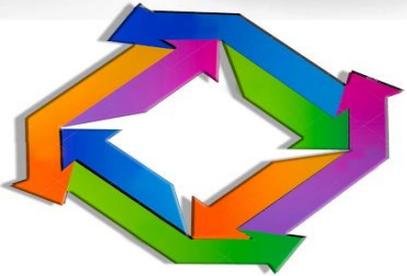


THREE STAR AIRTECH



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About Us

Founded By visionary and self made business man MR. R. Subramanian, Who have had over a 3+ decades of experience in the HVAC industry. THREE STAR AIRTECH, Under the expert guidance of our Founder **Mr. R. Subramanian** , we have created a niche for ourselves in domestic as well as sub-continent markets. Today, emerging as a renowned name in the industry of air handling units, at the heart of the company's DNA is the vision that "simultaneous growth of healthy economy and the clean environment".

- Air Handling Units.
- Heat Exchanger/Coils.
- Fresh Air Units
- Exhaust Units.
- Fan Coil Units.
- Filters.
- Plenum boxes.

Manufacturers Of

Capable of

- 30 AHU's/Month
- Coil Face area 6000 Sq.ft/month
- Individual erection team for site.
- Site Support can be provided.
- Expert After sales Services
- Separate expertise service team.

Air Handling Unit

We in Three Star Airtech are firm believers of "quality finds more business". Established in 2004, in Chennai, India, Three Star Airtech today has come a long way to become world class manufacturer of air management system, delivering reliable and superior quality products. With incredible expertise in design and selection of air management system, the company is serving the customers according to the application with innovative technology, high quality and cost effective solutions. The company is continuously meeting the demands of the changing and challenging market environment around the globe.

DOUBLE SKIN AIR HANDLING UNIT

We are one of the leading Manufacturer of Air Handling Units in Chennai which are used in various industrial applications. These are available in various designs and capacities as per the specs provided by the clients. These units are constructed from premium grade of raw material and high quality accessories. Designed to perform under extreme conditions and environments. These are engineered to give high performance and are available in following types,

- Horizontal Type AHU
- Vertical Type AHU
- Ceiling Suspended AHU
- Two Teir AHU
- Clean Room AHU

Types

Standards Followed in Manufacturing

- AHU's are cerified for electrical and mechanical safety.
- Mechanical Strength – Class 2A
- Casing Air leakage –Class B
- Filter by passleakage- Class F9
- Thermal Bridging-Class TB2

Air Handling Unit



HORIZONTAL AIR HANDLING UNIT

We in Three Star Airtech experts in manufacturing double skin air handling Unit from high grade GI, SS, Pre coated plastic coloured sheet. The blowers used here are from Kruger, Nicotra, Air Humdin. All fans are AMCA certified manufacturers. The coils are manufactured using aluminium fins and imported Cu tubes. Pre filters and all other accessories are acquired from the best production unit, hence the quality is ensured.

Applications

- Malls
- Theatres
- Multi-storey complex
- Factories and manufacturing units
- IT Companies

- High Static fan for high efficiency filters.
- Panels are weather proof.
- Designed for compactness
- Noise and vibration free.
- Ranging From 1200 CFM-40,000 CFM

Special Features

Horizontal Type Air Handling Unit- Floor Mounted



VERTICAL AIR HANDLING UNIT

We bring forth a wide range of air handling units that are manufactured using superior quality material and are available in component spacing and custom built unit layout. Sturdy and durable, our range of air handling units comprises of Vertical Air Handling Units. These low noise air handling units are offer optimum performance and available in various designs and capacities.

Applications

- Space contrained areas
- Installing in the old building where is no designated place for AHU.
- Places where HVAC consulting were not carried out.

- Efficient Cooling.
- Space Savers.
- Designed for compactness
- Hastlenss Opertaion & Installation.
- Ranging From 1200 CFM-20,000 CFM

Special Features

Vertical Type Air Handling Unit- Floor Mounted



CEILING SUSPENDED AIR HANDLING UNIT

The Ceiling Suspended air handling unit is

designed to save space and high efficient cooling. Saves more investment in ducting area. Generally placed or hanged above the false ceiling. This is easy for installation and creates more room for work space. Loss of chilled air is less, since the duct running distance is lowered with minimum no of bends.

Applications

- IT Companies.
- UPS Rooms.
- Data Server Rooms
- Conference Halls
- Auditoriums
- Work Stations
- Cold Rooms

- Saves more Carpet Area.
- Low cost Production.
- Unique compact design.
- Noiseless working & Installation.
- Energy Efficient
- Ranging From 1200 CFM-12,000 CFM

Special Features

Ceiling Suspended Air Handling Unit



TWO TEIR AIR HANDLING UNIT

The Two Teir air handling unit is designed accomadate the parts and equipments used in the construction. It Generally have the side throwand floor mounted.Extensively used the process plants and in manufacturing the edibles. Generally placed near the equipment or the plant floor mounte din position. This is easy for installation and creates more room for work space. Maintains the temperature and the ambient of the working conditions.

Applications

- Process Industries.
- Food Manufacturing Facilities
- Edible products
- High temperature emitting machines.

- Extreme Ambient Conditions.
- High temperature operations.
- Sleek and neat design.
- Thermal protection.
- Energy Efficient
- Ranging From 1200 CFM-20,000 CFM

Special Features

Two Teir Horizontal Air Handling Unit



CLEAN ROOM AIR HANDLING UNIT

The clean room air handling unit is designed and used extensively in pharmaceutical industries. It is designed in such a way to rent a pure and germless air to the environment. Number of filters Viz., 20 μ , 10 μ , 5 μ & 3 μ and 0.3 μ HEPA filters. To filter the finest particles in the manufacturing of the Medicinal products. Process plants also use these type of clean room AHU.

Applications

- Pharmaceutical Industries
- Hospitals
- Operation Theatres
- High Performance Engineering
- Manufacturing sterile products.

- Extreme Ambient Conditions.
- High temperature operations.
- Sleek and neat design.
- Thermal protection.
- Energy Efficient
- Ranging From 1200 CFM-30,000 CFM

Special Features

Clean Room Air Handling Unit



PLENUM BOX

We in Three Star Airtech have experience in the manufacturing of plenum boxes for ventilation purposes. We are amongst the well known names in the industry, manufacturing and supplying comprehensive range of plenum boxes. These boxes are available in different construction, different grades and dimensions and suits the requirements of the clients efficiently. Our product range is designed by a panel of expert professionals and is available as per the set industrial standards of the quality.

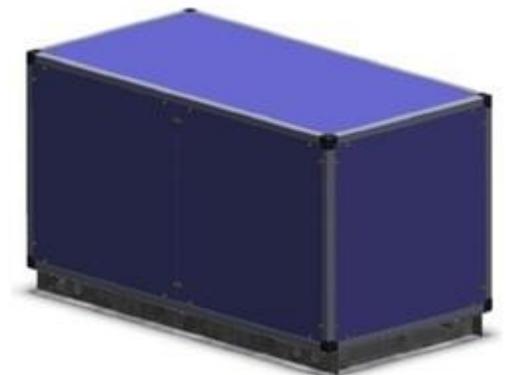
Applications

- Highly Used in high air volume operations.
- Number of distributions can be provided.
- Server Room Operations.
- PAC operations.

- Manufactured both in Singlr Skin And Double Skin.
- Both Thermal Insulation And Sound Insulation can be achieved
- Ranging From 2000 CFM-30,000 CFM

Special Features

Clean Room Air Handling Unit



HEAT EXCHANGERS / COILS

Over the years, Three Star Airtech Coils have evolved class products, thanks to quality that is the best in the business. Excellence in the designing, leading edge technology and flexible production formats for complete customer satisfaction – giving priority to ‘Three Star Airtech’ coils. We manufacture a wide range of plate & fin Heat exchangers/ AHU cooling coil/Chill water/Hot water/steam/ refrigerant and brine applications for diverse end -uses.

Applications

- Air Handling Units
- Cold Room
- Hot water coil for humidification.
- Steam coil for Laundry purpose
- Automobiles
- FCU's
- Chiller Plants

- 36G-34G Aluminium fins.
- 26-28G imported Cu tubes.
- Fin spacing 12-13FPI ranging from 3-4FPI.
- Distributors are made up of brass material.
- Can withstand high pressure operations

Special Features

Heat Exchangers/ Coils



COILS

Our coils can be provided with high premium quality aluminium fins in plain Or Hydrophilic coated protection from harsh environment. Coils are despatched only after stringent quality checking by our pros in the production. Extreme environments and weather conditions can be handled by these hydrophilic fins. No corroding or shredding will happen subsequently leading to long life of the units installed.

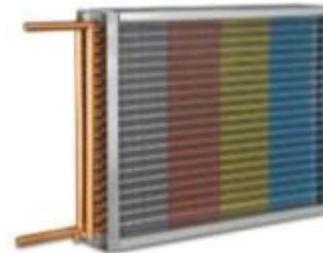
Applications

- Coastal Areas
- Pharmaceutical companys
- Nuclear power plants.
- High altitude buildings
- Chemical Industries.

- Hydrophilic Fins comes in various colours.
- Corrosion resisant
- Pressure testing done under water 350-600psi in the process.
- Leak proof silver brassing done on the header side.

Special Features

Hydrophilic Condensor coils



FAN COIL UNITS

Our Fan Coil units are among the best in manufacturing sectors. We in Three Star Airtech can build both single skin and double skin fan coil unit according to the applications of the clients. These are deployed in the hospitality sectors, mainly hotels, restaurants, bars, hospitals, clinics, laboratories, work shops etc., The FCU's are most preferred because of it's noiseless operation and low maintenance.

Applications

- Hospitals.
- Cabin Rooms.
- Hotels.
- Cold rooms.
- Office areas.
- Canteen areas.
- Paint shops.
- Laboratory.

- 3/8th coil made up of imported Cu tubes.
- HDPE plastic blowers.
- 3 speed/variable speed motors.
- Specialised condensate tray.
- Both Single skin/Double skin FCU's are available.

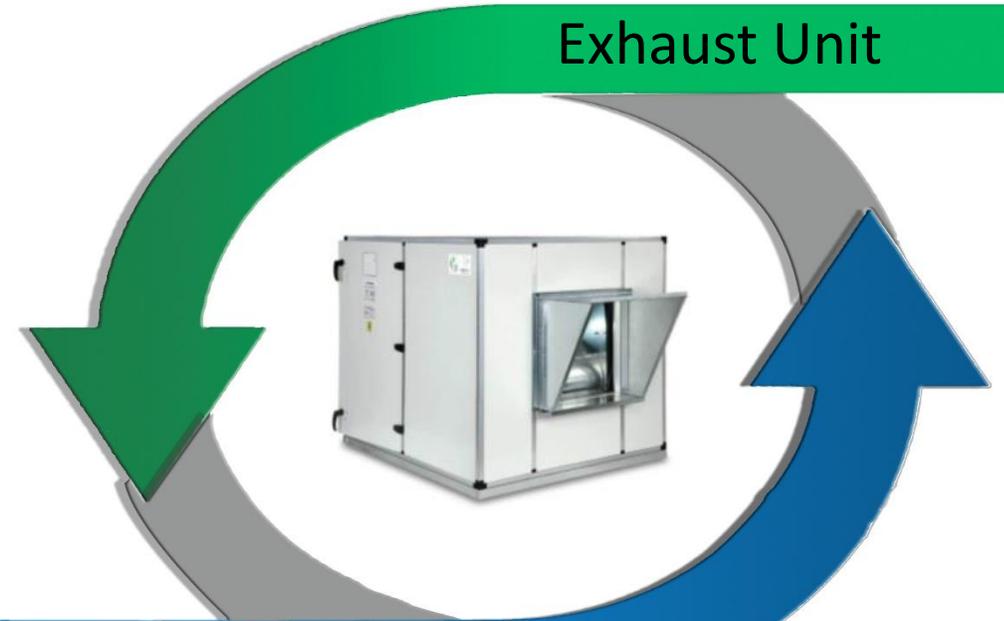
Special Features

Fan Coil Unit



VENTILATION EQUIPMENTS

Owing to our in-depth domain expertise, we manufacture and export a range of quality fresh air unit. Our products are manufactured with quality approved basic material and in strict adherence with set industrial standards. Our range of fresh air units is widely demanded owing to its high performance, application specific design and better durability standards. To attain complete client satisfaction, we offer these in customized specifications and at industry leading prices



Fresh Air Unit

We bring forth for our clients, a highly effective range of fresh air fans that is available in the size range of 9" (225 mm) and 12" (300 mm). These are robustly constructed with precise dimensions for assuring smooth operation and longer functionality. These fresh air fans are also available in the "deluxe" range, which is offered in the sizes of 9" (225 mm) and 12" (300 mm). These deluxe fresh air fans are offered with capacitor start and run motor for high speed. There are several types of units namely kitchen exhaust unit, toilet exhaust unit.