

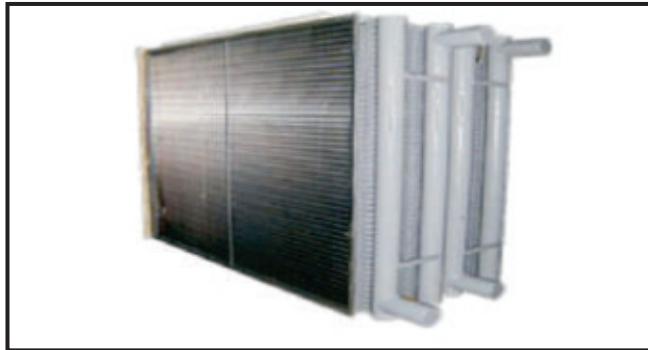
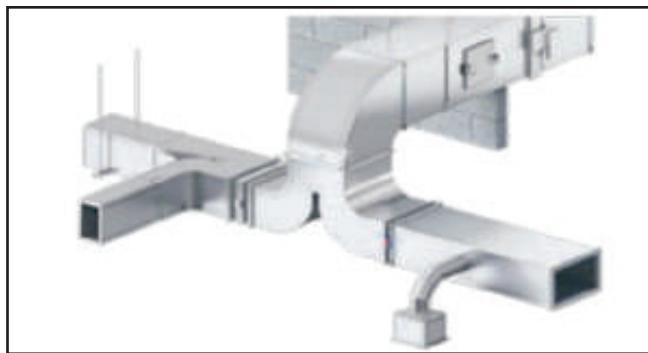


Ultrafil Air Systems (I) Pvt. Ltd.
First in clean air...



Clean Room Products

- AHU (Air Handling Units All types)
- Ducting / Insulation /Accessories
- Clean room / Cold room Doors
- Clean room panels (Ceiling & Wall)
- Hospital Modular OT Tent
- Dampers / Grills / Diffusers



Double Skin Thermal Brake AHU



Capacity	: 500 CFM TO 40000 CFM
Static Pressure	: 25mmwc TO 180mmwc
Inner Skin	: Inner skin 0.6mm Thick GI plain sheet
Outer Skin	: Outer Skin 0.6 mm Thick Pre coated sheet
Panel Thickness	: 30/46 mm thick
Infill	: Sandwich connection with CFC free polyurethane foam Insulation
Frame Work	: Extruded Aluminum Profile with Nylon Filling
Base Frame	: GSS Frame
Coil	: 2/4/6/8 Row Copper tube with Aluminum
Drain	: Aluminum / Stainless steel / GI
Motor	: Crompton / ABB / Siemens Make
Blower	: Centrifugal forward and backward fan
Filter	: 2/3 Stage Filtration
Damper	: AL / GI /SS

Working :

The purpose of this equipment is to collect and mix outdoor air with that returning from the building space. The air mixture is then cooled or heated, after which it is discharged into clean room space through the duct system. Air handler is normally associated with heating / cooling (HVAC) systems. They are normally mounted on the floor or roof mounted. They often have an economizer or inlet damper that allows for small amount of outside air or make up air to be pulled in through air handler. This also consist of Magnehelic gauges for measuring differential pressure across the filters.

Ventilation / Exhaust units



Capacity :

500 CFM TO 50000 CFM Supply exhaust Air handling unit is used to supply exhaust the air from a concerned area into the atmosphere after processing of a normal / multi stage filtration. These units do not involve any high maintenance cost, along with this they can be customized as per the requirement of the client in different sizes and specifications.

Working :

Used for ventilation purpose or for exhaust of unwanted air. Unit can be in double skin/single skin construction, inner skin plain G.I, S.S, and Aluminum. Unit are suitable for low, medium high static pressure. Bird screen / louvers (optional) special arrangement fitting for exhaust unit. Various models for wide selection. Economically designed for most efficient airflow. Units are robust in construction, Maintenance free and vibration free.

Air Handling Units



Capacity :

500 CFM To 10000 CFM Ceiling mounted air handling unit is prominently used in commercial spaces, shopping malls, offices etc. where major requirement is only for comfort cooling. This machine is very cost effective and is good for small setups.

Cooling / Heating Coils



Standard Cooling & Heating Coils are made in galvanized steel frame with seamless copper tubes with Aluminum fins, MS headers with threaded connection & copper return bends. They are arranged in a staggered form in the direction of airflow .Copper tubes are mechanically expanded into continuous corrugated Aluminum fins. Coils are assembled in slide in guides for easy removal for maintenance or replacement. For water coils, air vents & drain plugs are the standard ones. Moistures eliminator can also be provided for the coils according to air velocities & conditions. Insulated drain pan & drain connection are provided for the cooling coil section. Copper fins or blue fins are optional.

Volume Control Damper



Volume Control Dampers have been designed, engineered and tested for smooth, reliable and quiet operation for field test and balance. HVAC performance depends largely upon efficient air-flow, The VCD dampers are designed to control airflow volume in low to medium pressure and velocity HVAC systems. Typical applications for the VCD would include volume control of airflow in zoning, air handler units, intake, exhaust, mixed air applications and also economizer systems. The control air flow dampers are used with the blades casing & opening alternately. Our heavy duty aluminum dampers have airfoil blade with rubber seal at the blade edges. The blades are interconnected by gear system. Our GI Dampers have opposing stiffened GI blades with bushes and a lever to close /open the blades.

Ducting & Insulation



Factory Fabricated Ducts are used in heating, ventilation, and air conditioning (HVAC) to deliver and remove air. The needed air flows include supply air, return air, and exhaust air. Ducts commonly also deliver ventilation air as part of the supply air. G.I Ducting site fabricated complete with supports, nut-bolts with 3 mm thick neoprene gaskets duly installed between flanges. Food grade silicon sealant shall be applied in the longitudinal length of ducts. All clean room ducts are insulated with aluminum foil faced nitrile rubber using adhesive such as SR-505 Fevicol etc. 3" Self Adhesive Aluminium tapes are used at the joints. Mostly used insulation types are Normal class & "O" class. The main application of insulation is to maintain the cooling & heating of ducting without leakage.

Hospital OT Tent



- Compact & sleek design, Quiet operations less than 62db.
- Perforated grill to protect Hepa filters.
- Class 100 work surface, No vibration.
- Available in MS/GI powder coated & Stainless Steel.
- Velocity 0.45ms +/-20% below working area.
- Standard Operation Theatre sizes : 6'x6', 6'x8', 8'x8'

Modular Operation Theatre also known as Modular OT, manufacturing and designing for hospital operation room, laboratories etc. Most integrated functions are always required in an operating department, such as cleanliness must be preserved and the safety facilities, equipment and device must be maintained all the time. Our modular operating theater equipment has been satisfying those conditions consisting of a ceiling, slanted panels and wall. In addition, the fogging machine for modular operation theatre, with high work ability and enough functions, which is provided for the introduction of a new facility in the future.

Clean Room Wall Panel



Modular Wall panel system has several unique features to build state of-the-art Clean rooms and other controlled environments for various applications. Alternate surfaces and cores, however, are available to meet the requirements of any type of clean room application. We will be happy to provide a customized quote based on your specific requirements and application. Self-Bearing wall provided in modular units consisting of Flush Surfaces for easy cleaning and for complying with GMP requirements. Practically no maintenance, good stability due to advanced architectural design. Attractive appearance Custom designed solutions from a single room to complete departments. Full modularity, easy to assemble and dismantle.

Standard size : 1200 X 3000mm (Other sizes customizable on request)

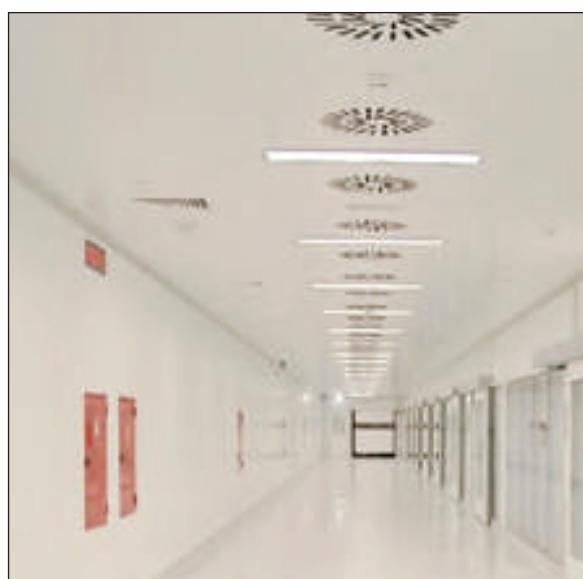
MOC : GI Pre-Coated / GI powder-coated

Thickness : 0.6 / 0.8 / 1mm

Skin type : GPSP sheet / Aluminum sheet

Panel Thickness : 50 / 80 / 100mm

Clean Room Ceiling panel



Skin thickness : 0.6/0.8/1.0 mm in GI, 0.5/0.6 mm in GIPC, 0.8/1.0 mm in SS

Structural frame work : Galvanized Iron

Insulation : PUF / Paper Core

Connecting profile : AL / GI

Base profile : GI & SS Raised Floor Track / U Type

Sealant : Silicon Sealant

Panel HxW : 1200 mm x 3000 mm

Panel thickness : 50/80/100 mm

Powder coating thickness : 70-90 Micron in GI, 30-50 Micron-GIPC,N/A

Finishing : Matt Finish in GI, Pre -Painted in GIPC, SS finish (Matt /Mirror finish) in SS

Color : As Per GMP RAL Chart in GI, 9001/ 9002 in GIPC, NA

Coving : R-50 / R-70

A perfect ceiling makes a perfect clean room, ULTRAFIL Ceiling Systems are designed to fit every requirement and adhere to stringent quality standards that fit in seamlessly with the rest of the room paneling. The Ceiling Panels are fastened to profile that are placed on a particle tight extruded aluminum grid matrix with silicone sealant.

Window Frames



All window units for the ULTRAFIL modular clean room system are double glazed, and fit flush with both surfaces of the wall panel system & civil wall. The window system is especially designed for the cleaning needs of the pharmaceutical clean room.

It is completely silicon sealed, and includes a micro perforation profile with an integral silica gel moisture absorption system, designed to eliminate fogging. The major accessories required for Window frames are 6/5 mm thick Normal/ Toughened Double glazed View glass Screw / plug type fisher with screws two sided gum tape, silicon sealant (Clear / Black)

Cold Room Doors



We regularly upgrade our working methodology in order to manufacture and supply excellent quality Cold Room. Designed in tandem with the contemporary market demand, the cold room provided by us facilitates proper temperature in order to preserve diversified commodities and usage in warehousing, research laboratories, chemical and food processing industries. Fabricated by making use of pioneering technology and latest machines, it is highly effective to store both, perishable and non perishable food items for long time to maintain their freshness. Moreover, we provide this cold room doors at negligible prices to the clients.

Clean Room Doors



Clean Room compatible Doors. These are basically meant for air ingress in the room. The door has mechanically interlocked vertical edges that add strength and rigidity, which makes them appropriate for light and heavy use. Fully flush surfaces with wall system. A large variety of swing out pharmaceutical doors. Door hardware by standard manufacturers. Customized dimensions are available. Heavy-duty structure for high durability. Thick flush doors made of 0.8 mm thick PU powder coated GPSP sheet with honeycomb Kraft paper / PUF as infill, 1.2 mm thick GPSP powder coated doorframes, with provisions for double glazing glass

Accessories :



Covings



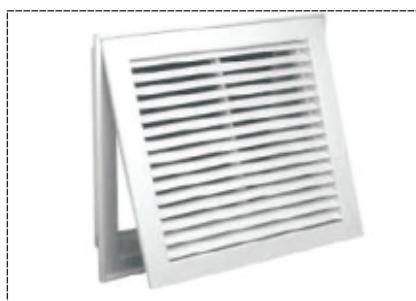
Three way corners



Door closures



Limit switch



Louvres



SS drain pan



Handle



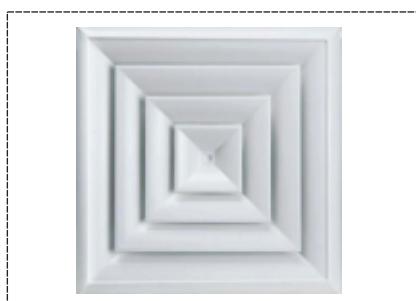
View glass



Vibration isolator



Dampers



Diffuser



Taper lock pulleys



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