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Company Profile

MODULAR CLEAN ROOMS

PARTITION WALL & CEILING SYSTEMS

Business Type

Manufacturer , Trader , Supplier

Primary Competitive Advantages

-
-

Industry leading prices

Robust construction of products

Capacious warehouse

Wide distribution network

Expedite delivery

Year of Establishment

2008

OEM Service Provided

Yes

Production Type

Automatic

Product Range

-
-

Air Handling Units

Dehumidifiers

HVAC Module

Air Conditioning Ducts

HEPA Filters

Stainless Steel Pharma Equipments

Grills

Diffusers

Electric Motors

Pressure Gauges

Electromagnetic Doors & Windows.

Providers for Pharmaceutical , Healthcare, Food, Herbal, Cosmetic, Veterinary, Cold Store & Chemical plants. EKCON MULTIFAB offers projects as per WHO, USFDA, PICS, MHRA, TGA & GMP regulations.

Our projects are based on detailed drawings, controlled and validated design, care of details, respect of the production and installation time schedule. We provides complete Turnkey solution – Engineering Support for designing, cost – effective solutions and On – site support during installation for your projects.

CLEAN ROOM

WE DESIGN

With an experience in architectural & mechanical field, our engineers designed your clean room exactly to your needs with the international Standards to achieve the desired needs of clean room.



PROJECTS PLANNING

Our Engineers & Designers, closely work with your Team to understand the needs at the earlier stage and thus by saving the potentials.



PRODUCTION

The high Quality of manufactured products at our factory guarantees Quality, Functionality & Reliability.

INSTALLATION

The secret behind the Successful Installation is Experienced Team. Having installed over 100 + clean rooms, we assure our clean room installation shall meet the all requirements

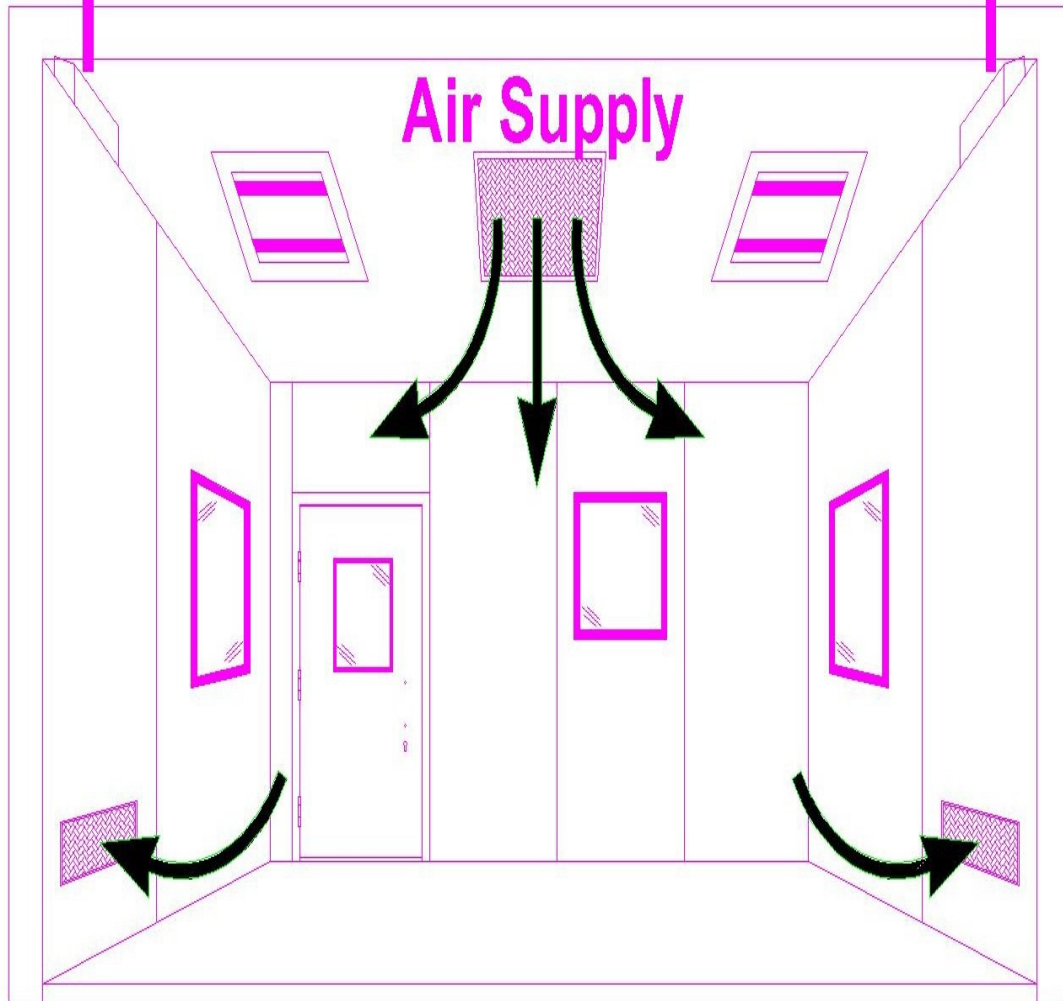
WHAT IS CLEAN ROOM

A room in which concentration of airborne particles is controlled and which is constructed and used in a manner to minimize the introduction, generation and retention of particles and microbes inside the room and in which other relevant parameters, e.g. temperature, humidity and pressure are controlled as necessary.

Air Return

Air Return

Air Supply



CLEAN ROOM DOORS



We are enlisted as one of the foremost Clean Room Doors Manufacturers, Exporters and Suppliers based in India. Made using galvanized steel, the Clean Room Doors offered by us are highly praised in the markets. These doors can be tailor made to suit the varied requirements of the esteemed clients. Available in different specifications, Clean Room Doors are widely acknowledged by the customers.

Specifications:

- Single leaf and double leaf frames
- 44mm Leaf Thickness(or as per specific requirement)
- Suitable to be fitted in panel / Civil wall
- Finishing in primer or pure polyester powder paint
- Ability of accepting glazing in many configurations with louvers, air vents, and a wide range of hardware
- 0.8mm GI sheet thickness for shutter, 1.2mm GI sheet thickness for frame
- Various infill –PUF/ Rockwool / Honeycomb
- Doors are coated with either pure polyester or epoxy polyester powder achieving a coating thickness of 60-80 microns.

Metal Doorsteps Available In:

MODULAR CLEAN ROOMS PARTITION WALL & CEILING PANEL



EKCON MULTIFAB “MODULAR CLEAN ROOM SYSTEM” is designed to be light weight for aesthetic and achieving project timelines while maintaining the modular flexibility. The system offers progressive and non-progressive designed as your needs. The modular false ceilings are suspension type offering walk able and non-walk able designs as required.

General specifications :

- Panel Thickness : 30mm, 44mm, 50mm 80mm & 100mm
- Panel Width : 1200mm
- Insulation : PUF/ Rockwool / PIR / Honeycomb
- Sheet Thickness : 0.6 / 0.8 / 1.0 / 1.2mm
- Sheet Finish : PPGI / PCGI / SS
- Panel Connection : Aluminium interconnecting profile
- Glazing : Flush 5mm toughened glass on both sides with black border

COVINGS :

All the internal & external corners of modular wall panel systems are cover with aluminium covings having special Male and Female profiles with locking system and are fixed from wall panel to floor, ceiling panel to wall panel and wall to wall panel.



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STANDARD DOOR SPECIFICATION:

Type	: Single Leaf / Double Leaf
Leaf Thickness	: 44mm (or as per specific requirement)
Leaf & Frame	: Galvanized Steel, Stainless Steel
Door Leaf	: 44mm thick, Shutter standard sheet thickness 0.6mm to 8mm thick or as per specific requirement.
Door Frame	: Extruded Aluminium powder coated profile frame / GI powder coated frame / SS 304 frame.
Infill	: PUF / Rockwool / Honeycomb
Reinforcements	: At hinges, door closer and lock case fitments
Finish	: Doors are coated with either pure polyester or epoxy polyester powder achieving a coating Thickness of 60-80 microns. (Powder coating available in standard RAL colours)
Glazing	: 5-6mm thick toughened glass / float glass
Ironmongery	: SS Ball bearing hinges, Latch Lock, Dead Lock, Door Closer, D Handle, Push Plates, Kick Plates, Automatic Bottom Drop Seal, Panic Bar for emergency doors, etc
Door Opening	: Left or right as needed
Construction can be tailored to meet specific requirements.	

TYPES OF DOORS :



HEATING VENTILATION & AIR CONDITIONING (HVAC)

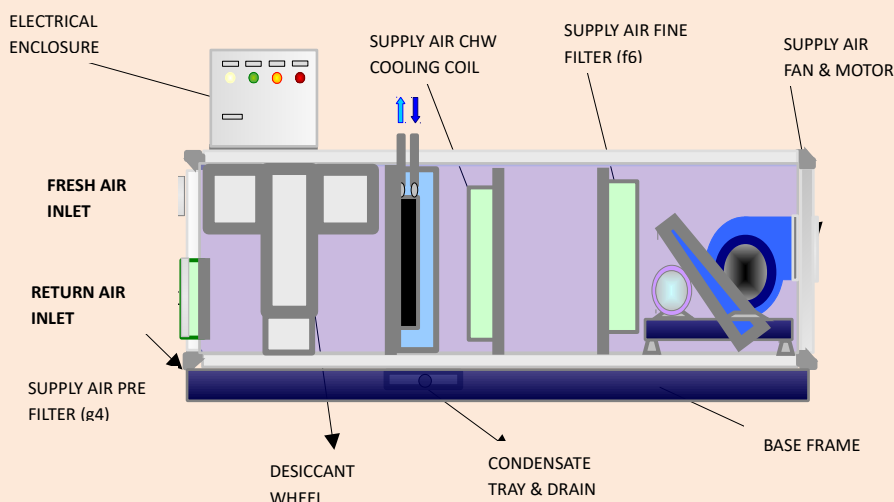
Customised HVAC system & solution *are* designed & engineered by experts having immense experience in designing the Pharma & Biotech plants.

OUR HVAC design is strictly based on the different guide lining and regulation set by authorities;

- Duct fabrication confirms to SMACNA & OW standards.
- Duct Sealing as per class A of SMACNA.
- Duct leakage tested qualitatively by smoke test and quantitatively as per DW standards.
- Classification of area – ISO 14644 series
- Design confirms to WHO Technical Report Series
- All other requirements set by FDAs, US FDA, UKMHARA, TGA & MCA etc.
- High side utility systems offered are another critical design of successful HVAC system. The entire piping confirms to ASTM standard and ASME etc.
- We provide world renowned makes of Air Handling Units and Chillers. Reliable after sales service makes us a preferred HVAC vendor to our clients spanning across the globe.

OUR SERVICE BASKET:

- ARI / EUROVENT / AHRI CERTIFIED CHILLERS
- CTI CERTIFIED COOLING TOWER
- AHU (CUSTOMIZED AIR HANDLING UNITS)
- FACTORY FABRICATED / PRE- INSULATED DUCTS
- BAG IN BAG OUT FILTER ARRANGEMENT (BIBO)
- DEHUMIDIFIERS FOR LOW RH APPLICATIONS
- PACHAGE AIR CONDITIONERS
- FACTORY MADE MANIFOLDS



PASS BOX



Reference taken by google

Dimensions :

Model	Work Area Dimension (LxWxH)
PT-18-18-18	450 x 450 x 450 mm
PT-24-24-24	610 x 610 x 610 mm

Static Pass Box

We are into offering supreme quality Static Pass Box, which is made in compliance with world class standards. Static Pass Box is specifically designed that aids in the material transfer without much personnel movement. Furthermore, the Static Pass Box also acts as a hindrance for entrance of contaminants in clean room and other classified areas.

Specifications :

- Made available in powder coated Mild Steel, SS 304 / SS 316/ SS 316L or a combination of both
- Double Walled Construction
- Doors equipped with double walled flush glass view panels
- SS Handles and SS hinges
- Electro-magnetic Interlocking
- Indicator on either side
- Internal covings for easy cleaning
- Door Release Switch on either side

Accessories Made Available :

- Mechanical Interlocking
- Provision for ventilation with perforated grille
- U.V.Light with Hour Meter with interlocking arrangement to put-off U.V. Light if any of the door opens
- Three wall construction for floor mounting
- Floor mounted construction with three side wall structure & Door Drop Seal
- Support stand for mounting the pass box
- Flange for filling the gap between the pass box and the clean room wall
- Fluorescent light with interlocking arrangement to put on light when the doors are in closed position

Operating Conditions :

- **Power Supply : 230V AC 50HZ**



Reference taken by google

Dimensions :

Model	Work Area Dimension (LxWxH)
PT-18-18-18	450 x 450 x 450 mm
PT-24-24-24	610 x 610 x 610 mm

Operating Conditions :

Air cleanliness	ISO Class 5 (ISO 14644-1:1999 (E))
Air Velocities	0.45 ± 0.05 mps
Air flow	Vertical – Re-circulatory
Noise Level	Less than 67 dB
Vibration Level	Minimum
Power Supply	230V AC 1-Ø 50HZ

Dynamic Pass Box

We are the most trusted Dynamic Pass Box Manufacturer, Supplier and Exporter from India. Our precision-engineered Dynamic Pass Box assists in transfer of materials driven through a controlled environment but without much personnel movement. Furthermore, this box helps in prevention of contaminants entrance either in the clean room or between various classified areas. Dynamic Pass Box that we deliver in the market is accessible at most economical prices.

Specifications :

- Two Stage filtration
- Available in powder coated Mild Steel, SS 304 / SS 316/ SS 316L or a combination of both.
- EU6 Prefilter (95% down to 5 micron)
- EU14 - HEPA Filter Supply (99.999% down to 0.3 micron)
- Dynamically balanced Motor-blower facilitated with suspension arrangement to minimize the noise level
- Double walled flush glass view panels provided with doors
- SS Handles and SS hinges
- Internal covings for easy cleaning
- Electro-magnetic Interlocking
- Indicator on either side
- Door Release Switch on either side
- Differential Pressure Gauge : 1 No.
- On / Off Switch for Motor
- DOP Test Port

Accessories Made Available :

- Mechanical Interlocking
- U. V. Light with Hour Meter with interlocking arrangement to put-off U.V. Light if any of the door opens
- Floor mounted construction with three side wall structure & Door Drop Seal
- Support Stand for mounting the pass box
- Flange for filling the gap between the pass box and the clean room wall
- Audio / Visual alarm for blower tripping with Fault Acknowledgement & Reset Switch
- Clean Down Timer with Operation Hold Indicator & interlocking to put on fluorescent lights only after clean down time over



Dimensions :

Model	Work Area Dimensions (LxWxH)
SGV-36-24-60	915 x 610 x 1525 MM
SGV-36-24-72	915 x 610 x 1830 MM
SGH-24-24-24	610 x 610 x 610 MM
SGH-24-24-36	610 x 610 x 915 MM

Operating Conditions :

Air cleanliness	ISO Class 5 (ISO 14644-1:1999 (E))
Air Velocities	0.45 ± 0.05 mps
Air flow	Vertical / Horizontal (Based on application)
Noise Level	Less than 67 dB
Vibration Level	Minimum
Power Supply	230V AC 1-Ø 50HZ

Garment Storage Cabinet

Cabinet is designed to provide ISO Class 5 (Class 100) particle free work area to meet garment storage needs which avoids any particulate accumulation. The work area is continuously supplied with positive pressure HEPA filtered recirculated vertical /horizontal air flow.

General Specifications :

- Two Stage filtration
- EU6 – Pre-filter (95% down to 5 micron)
- EU14 – HEPA Filter (99.999% down to 0.3 micron) at supply position
- Statically & Dynamically balanced Motor-blower with suspension arrangement to reduce noise level
- U. V. Light with Hour Meter with interlocking arrangement to put-off U.V. Light if either door opens
- Differential Pressure Gauge : 1 No.
- SS 304 Hanging Arrangement / SS 304 removable Shelves
- SS 304 doors with double walled flush glass view panels
- Heater with thermostat
- ON/OFF Switches
- 5/15 Amp Switch Socket for external equipment

Options and Accessories :

- A wide range of configurations to suit any containment application :
- Blower tripping alarms (audible and visible)
- Velocity display with alarms (audible and visible)
- Filter blocked alarms (audible and visible)
- Explosion proof electrics for Flame-proof applications



Models :

Model
Hdv- 1500 (1.5 ton)
Hdv- 2000 (2.0 ton)

Dehumidifier

Backed by an experienced team, we are able to consistently deliver high quality Vertical Dehumidifier. The equipment made available in this range is appropriate for high humidity areas approximately 2000 – 4000 cu. These dehumidifiers are portable and are designed to work independently without any assistance.

Technical Specifications :

- To operate on 230 volts single phase
- Complete with trolley
- Water collecting tank
- Mini starter
- Complete body made of Mild Steel or St. Steel

Product Specification :

Body Material	Stainless Steel
Water Tank Capacity	20-25 ltr.
Color	stainless steel
Dehumidifying Capacity (Litre/Day)	50-75
Voltage	230V

PHARMACEUTICAL EQUIPMENT & ALL TYPE OF FABRICATION IN STAINLESS STEEL



AIR CURTAIN



STOOL



SINK WITH PLATFORM & CABINET



SS CLEAN ROOM TABLE



CROSS OVER BENCH WITH SHOE RACK



SCOOP



SOP STAND



DESPENSING BOOTH



AIR SHOWER

