

(A) HVAC (heating, ventilation & air conditioning) Products

i) Air Handling Unit & Ventilation

Air Micron Cleantech is leading manufacturer of Clean Room and Air-conditioning Equipments. Air Micron offer double Skin and single Skin Air Handling units that are developed and power with innovative technology to provide customer satisfaction. Air Micron are also design and execution of central air conditioning for Pharma company, cleanroom, hospital ,call centre, shopping mall, office building, hotel ,school ,R& D centre and many more.

Type **Horizontal /Vertical /Ceilinga Suspended**



Double/Single Skin/Double Decker

Capacity	400 CFM to 50000 CFM
Static Pressure	25 mm to 150 mm of Wg
MOC	Inner Skin-.6 mm Thick Pre coated
Outer Skin	0.6 MM thick GI Plain
Panel Thickness	25 mm and 50 mm thick
Infill Between Panel	Sandwitch construction with CFC Free PUF Insulation
Frame Work	Extruded aluminium profile with nylon fitting
Base Frame	GSS Frame
Coil	4 / 6 / 8 / 2 Row Copper Tube with aluminium fins
Drain	Aluminium/SS/GI
Motor	Crompton, ABB/siemens Make 3 Phase Motor
Fan	Forward and Backward Fan imported Fan
Filters	50M thck pre filter/300mm fine and HEPA filter



ii) Terminal Filter Box



Terminal Boxes are normally used as boxes for flange type **HEPA** Filter made from s.w.g 16 gauge C.R.C.A sheets for overall construction with epoxy powder coated finish. Housing Box for **HEPA** Filter is complete with:

1. Inside M.S. angle frames duly epoxy powder coated
2. Hold fast (grounding arrangement/ceiling suspension angles)
3. Fixing and tightening S.S bolts
4. Flexible canvas connection for two-side Aluminum flange
5. Perforated Aluminum sheets, duly epoxy powder coated and S.S fixing screws

iii) Return Air Riser



Air Riser is extensively applied to overall appearances of cleaned rooms. Through strong manufacturing capabilities, we are able to provide Customized Return Air Riser as per the specifications of clients.

Construction :

Riser is made up of stainless steel, analyzed, aluminium, GI, powder coated steel and double skin.

Riser come with aluminium and SS perforated sheet along with filters and dampers.

iv) Ducting



Basically, ducting or piping system needs to be insulated for two major reasons. One is to avoid condensation on the surface, another one is to control the stability of the temperature during transportation inside the system.

Ducting is made up of stainless steel, analyzed, aluminium, GI, pre coated sheets

(B) CLEANROOM Products

i) Dynamic Pass Box /PASS BOX



DESCRIPTION : It is used for transfer of material from one area to another with isolation by means of Mechanical / Electromagnetic door interlocking, which ensures opening of only one door at a time. Thus avoiding cross contamination between two area's.

CONSTRUCTION : These units are factory assembled and are made up of S. S. 304 grade Stainless Steel material. These units have smooth welded corners.

INSTALLATION : Pass-Through Chambers can be installed in a number of ways, depending on the wall or door that will support them.

General Specification of the **Dynamic Pass Box**:

MOC	SS 304, SS316.
Pre-filter	Air Micron Make EU 4 rating with suitable size having efficiency 90% down to 10 micron.
Final Supply Filter	HEPA Filter having EU 13 or EU14 rating with suitable size having efficiency 99.997% down to 0.3 micron.
Motor Blower Assembly	Statically & Dynamically balanced with suitable rating and size. (Induction motor with centrifugal blower) A Mounting unique spring suspension system to take care of vibration and noise.
Differential Pressure Gauge	(make : Dwyer, USA) (To measure differential pressure across the supply HEPA

	filter
Lights	CFL Light Through Clear Acrylic to Get Maximum Illumination / Hour Meter with UV Light.
Door Interlocking	Electro Magnetic Interlocking
Air Cleanliness	Class ISO 5 (as per ISO 14644-1).
Air Flow Rate	0.45 + 0.1m/sec.
Vibration Level	Minimum

General Specification of the **Static Pass Box**

MOC	SS 304, SS 316
Doors	Sandwiched Door with double sided View Panel, Handles
Door Interlocking	Electro Magnetic Interlocking
Coving	Inner Side Bottom Corners will be Duly Coved.
Protective Light	UV light with hour meter.

Air Micron Cleantech Clean room Pass Box with Laminar Air Flow						
Model	Bioclean storage space dimensions			Overall dimensions		
	w	d	h	W	D	H
2610-SP-LF	1220	1220	1220	1470	1370	2000
2610-SP-LF-1	910	610	910	1100	680	1560
2610-SP-LF-2	610	610	610	790	680	1260

ii) **AIR SHOWER**



Air Showers are to be used for removing surface particles from personnel prior to entering a Cleanroom work area.

Features:

- HEPA filter eff. 99.97% down to 0.3 micron
- Pre filter eff. 85-95%
- Motor blower assly : High capacity, FRP blower with aluminum impeller dia 7" x 4½" to produce 6000 FPM high velocity
- Electrical supply 3 phase, 440 volt, 50Hz
- Total 16 nozzles provided for single person entry level
- Hinge type door with glass window.
- Hydraulic door closer

iii) Dispensing / Sampling Booth

Equipment is used for dispensing of powder & chemicals to minimize the risk of contaminating of the work area & ensures the health for working person under the laminar air flow. The equipment is based on 3 level of filtrations of air circulation. This ensures that the cloud or particles formed by the material dispensed is sucked form the pre filter, intermediate filter & supply with mini pleat HEPA filter. Magnehelic gauge will indicate the pressure difference between the filters. During the initial cycle we achieve class 100 air with velocity 0.45m/s +/- 20% below working area.



Features:

- Class 100 air
- Air curtain PVC curtains is provided
- Internal coving is provided
- DOP port up stream is provided
- Mini pleat HEPA filter eff. 99.997% down to 0.3 micron as a supply filter
- Pre filter eff. 95%
- Intermediate filter efficiency 90%
- Motor blower assly : High capacity, FRP blower with aluminum impeller dia 7" * 4 1/2"
- Electrical supply 3 phase , 440 volt, 50Hz
- Velocity 90 +/-20% below working area

iv) Horizontal Laminar Flow



The application of these laminar air flow module is varies and takes place in the industrial manufacturing for the protection of the product in the following areas.

- Pharmaceutical micro-biology, food, electrical, cosmetic industry
- Filling sections, Assembling processes, Tissue culture

The unit is ideal to protect the product from particular contamination with the help of class 100 air & UV tube.

Items	Description
MOC	SS304, 316, GI powder coated
Pre-Filter	Air Micron Make EU 4 rating with suitable size having efficiency 90% down to 10 micron.

Final Hepa Filter	HEPA Filter having EU 13 or EU14 rating with suitable size having efficiency 99.997% & down to 0.3 micron.
Motor Blower Assembly	Statically & Dynamically balanced with suitable rating and size. (Induction motor with centrifugal blower) A Mounting unique spring suspension system to take care of vibration and noise.
Mounting	Unique Spring Suspension Systems to take care of Vibration and Noise
Working Table	S.S. 304 with Due Reinforcement for Better Performance and Stability.
Side Panel Accessory	Glass Side Panels
Pressure Gauge	DWYER, USA Minihelic Differential Pressure Gauge : 01 No
Air Cleanliness	Class ISO - 5 (as per ISO - 14644-1).
Air Flow Rate	0.45 ± 0.05mps.
Vibration Level	Minimum
On-off Switch	Feather Touch on off Switch for blower-motor, Lamp & UV lamp etc.

Model of the Horizontal Laminar Air Flow clean air work station as following:

HORIZONTAL LAMINAR FLOW CLEAN AIR WORKSTATIONS						
Model	Work space dimensions			Overall dimensions		
	w	d	h	W	D	H
2202	610	610	610	710	1070	1450
2203	910	610	610	1015	1070	1450
2204	1220	610	610	1320	1070	1450
2206	1830	610	610	1930	1070	1450

v) Ceiling Suspended Laminar Flow



Ceiling suspended laminar air flow (claf) are used for ot applications, pharma filling & packing line etc. Claf provides ultra clean sterile hepa filtered class 100 air in a isolated area where the highly sensitive process activities are carried-out. Claf available in complete stainless steel construction or gi construction with pu coated finish. Equipped with minipleat hepa with dynamically balanced ultra-low noise blowers for optimum airflow.

vi) Operation Theater



Modular OT is a finished steel structure with joint less sterile coating providing a high quality finish. Pre-fabricated modular OT offer the advantage of speedy construction, high quality finish in prevention of contamination build up, long durability, robust and flexibility design for future expansion, ease of maintenance etc. The pre-engineered modular Operation Theatre solves the problem of infections.

We provide following products for completion of O.T.

- 1) Volume Control Dampers
- 2) Minipleat Hepa Filters of efficiency 99.997%

4) Our Clients : We pledge to live up to your expectations.

Client Name	Nature Of work
Ar-ex Laboratories Pvt Ltd (Mumbai)	Clean Room Equipment
Olive Soft Gel (Deharadun)	Clean room Equipment
Kopran Ltd (Mahad-Raigad)	HVAC & Turnkey, Clean room System
Lyok Laboratories (Andheri)	HVAC & Clean room Equipment
Bittu Pharmaceuticals (Vasai)	Clean room Equipment
Arco Pharmaceutical Ltd (Vasai)	Clean room Equipment
Remadies Pharmaceutical Ltd (Vasai)	Clean room Equipment
Inor Medical Product Ltd (Mumbai)	HVAC & Clean room
Coral laboratories Pvt Ltd (Deharadun)	Clean room Equipment
Scientific Pharmacy (Andheri)	HVAC & Clean room System
Sevil Pharmaceutical Ltd. (Mumbai)	Clean room Equipment
Olive Health Care (Daman)	Clean room Equipment
Sanjivani Parentrile Ltd (Rabale)	HVAC & Turnkey, Clean room System
Vital Health Care Pvt Ltd. (Nashik)	Clean room Equipment
Magna Laboratories Pvt Ltd. (Vapi).	Clean room Equipment
MEDISYNTH CHEMICALS PVT LTD (Turbhe)	AHU
Badrivishal Chemical & Pharmaceutical	HVAC & Clean room
On Top Pharmaceutical Pvt Ltd (Banglore)	Clean room Equipment
Iatro Pharma & Biotech Ltd (Pune)	Clean room Equipment
Nem Laboratories Pvt Ltd. (Vasai)	HVAC & clean room
K M Hospital (Mumbai)	AHU
Omega products Pvt Ltd. (Mhape-Navi Mumbai)	AHU & HVAC
Metagraph Ltd (Pune).	AHU & FDV System
BARC (Bhabha Atomic research Center- Vashi-Navi Mumbai)	Fume Hood
Harkishandas Hospital (Mumbai)	AHU & OT Module
Johnson & Johnson	Clean room Equipment
Dortmund Pharmaceutical Pvt Ltd.	Clean room Equipment
Shreechem Pharmaceutical Pvt Ltd.	HVAC & Clean room System
Advance Enzyme (Sinner)	AHU & Ventilation.
Pennwalt Ltd- Nerul	AHU & HVAC System
Watson Pharma Pvt Ltd – Ambernath	HVAC
Nanawati Hospital – Mumbai.	AHU, HVAC & OT System
Bioxera Pharma – Ambernath	Clean room Equipment
Hope Hospital (Pune)	AHU & HVAC System

Mfg. of HVAC system & solution, Clean Room Equipment, Etc.

Corp. off.: Plot no X-18/8, Subodhi Commercial complex, MIDC Residential Zone,
Mamta Hospital Road, Dombivali (E).-421203, Tel.: 0251-2800047
Email Id- airmicron@rediffmail.com

Website: www.airmicron.com
www.indiamart.com/airmicroncleantech
<http://www.airmicroncleantech.tradeindia.com>

Factory Add.1: Unit No- 6, Vasant Patil Compund-2, Sonarpada,
Kalyan Shill Road, Dombivali (E)-421204.

Factory Add.2: Unit No-5/11, Roop nawal Indl Est, Near Vidyavikasini School Road,
Fatherwadi, Vasai Road (E). Dist- Thane.
