

PR TECH

AIR SYSTEMS PVT. LTD.

Better Air is our Business..



“PROTECH” LAMINAR AIR FLOW BENCH (VERTICAL / HORIZONTAL)

Technical Specification :

- Air Cleanliness : ISO Class 5 / Class 100
- Air Velocity : 0.45 ± 0.05 mps (90 ± 20 FPM)
- Air Flow : Horizontal / Vertical
- Power Supply : 230V AC , 1- \emptyset , 50Hz
- EU5 – Intermediate Filter (95% down to 5 Micron)
- EU14 – Hepa Filter – (99.999% down to 0.3 Micron)
- Statically & Dynamically Balanced Motor – Blower with isolate to reduce noise level
- Fluorescent lights with milky white diffuser
- Differential Pressure Gauge
- On / Off Switches (BL/FL/UV)
- Auxiliary Power Socket : 5/15 amp for External Equipment
- DOP port
- DQ, IQ, OQ Documentation



“PROTECH” SAMPLING / DISPENSING BOOTH

The Unit eliminates powder contamination to protect the operator and the surrounding environment. It is designed to handle powder under aseptic conditions for optional G.M.P.



Technical Specification :

- Air Cleanliness : ISO class 5 / class 100
- Air Velocity : 0.45 ± 0.05 mps (90 ± 20 FPM)
- Air Flow : Vertical
- Noise level : less than 65db
- Vibration level : Minimum
- Power Supply : 230V AC, 1- \emptyset , 50HZ
- MOC : SS-304 / SS-316 / Powder Coated
- Three Stage Filtration
- EU4 - Pre Filter (90% down to 10 Micron)
- EU7 - Intermediate Filter (95% down to 0.3 Micron)
- EU14- HEPA Filter- (99.999% down to 0.3 Micron)
- Differential Pressure Gauge: 02 Nos.
- ON/OFF Switches (BL / FL / UV)
- DOP Port
- DQ,IQ,OQ, Documentation

“PROTECH” DYNAMIC PASS BOX AND STATIC PASS BOX

Dynamic pass boxes are designed in conformation to the international standards and are used for transferring the material from and into the classified clean room without contaminating the air of clean room. In the process, room door is not require to open, these can be easily installed on the wall between the classified room and unclassified room.

Technical Specification :

- Air Cleanliness : ISO class 5 / class 100
- Velocity : 0.45 ± 0.05 mps (90 ± 20 FPM)
- Power Supply : 230V AC, 1 \emptyset ,50HZ
- MOC : SS-304 / SS-316 / COMBINATION
- Fluorescent lights (Interlocked with Door)
- UV light (Interlocked with Door)
- Differential Pressure Gauge: 01 no. (HEPA FILTER)
- Door Opening with Solid State Electronic Inter Locking Mechanism



“PROTECH” CEILING SUSPENDED LAMINAR AIR FLOW UNIT

For the protection for sterile / Filling machine in the pharmaceutical industries used where bacteria and particle can have a destructive effect on the final product. The unit is supplied either to be mounted in the ceiling 4 adjustable chains or with legs: which optionally can be supplied with wheels.



Technical Specification :

- Air Cleanliness : ISO class 5 / class 100
- Air Velocity : 0.45 ± 0.05 mps (90 ± 20 FPM)
- Air Flow : Vertical
- Power Supply : 230V AC ,1 \emptyset ,50HZ
- MOC : G.I. / SS-304 / SS-316
- EU5 Pre - Filter (95 % down to 5 Micron)
- EU14 – Hepa Filter (99.999% down @ 0.3 Micron)
- On / Off Switches
- DOP port
- DQ, IQ, OQ, Documentation

“PROTECH” AIR SHOWER UNIT

Prefabricated modular air shower enclosure used for removing surface particle from personnel prior to entering a contamination controlled environment. Air shower are constructed as per ISO 14666.

Technical Specification :

- Air Cleanliness : ISO class 8 / class 1 Lac
- Air Velocity : 15 ± 5 mps
- Air Flow : Horizontal / Vertical
- Noise level : Minimum
- Vibration level : Minimum
- Power Supply : 440V AC, 3- \emptyset , 50HZ
- MOC : GI Powder Coated / SS - 304 / SS - 316 / combination
- EU7- Intermediate Filter (95% down to 0.3 Micron)
- EU14 - Hepa Filter - Supply (99.999% down to 0.3 Micron)



“PROTECH” BIO SAFETY CABINET

“PROTECH” Biohazards Cabinet, which is meet the laboratories requirements for life science research, clinical or industrial applications. These are manufactured using stainless steel for easy Cleaning and maintenance and excellent powder coating finish helps to prevent microbial or bacterial growth.



Technical Specification :

- Air Cleanliness : ISO Class 5 / Class 100
- Air Velocity : 0.45 ± 0.05 mps (90 ± 20 FPM)
- Air Flow : Vertical
- Power Supply : 240V AC, 1- \emptyset , 50HZ
- MOC : SS-304 / SS-316 / Powder Coated
- Sash (Shutter) : Vertical Rising of Vertical Opening
- EU7 - Intermediate Filter (95% down to 3 Micron)
- EU14 - HEPA Filter - Supply (99.999% down to 0.3 Micron)
- Fluorescent Lights with milky diffuser
- Differential Pressure Gauges
- ON/OFF Switches (BL / FL / UV)
- DOP Port
- DQ, IQ, OQ, Documentation

“PROTECH” POLYPROPYLENE FUME HOOD (NON METALLIC FUME HOOD)

Technical Specification :

- MOC : Main unit -100% Polypropylene Fabricated
- Work Platform : Black Granite (15/20mm thick)
- Sash (shutter) : Vertical rising of vertical opening sash monument with counter weight balance mechanism
- Utility : Gas cock / Air lock / Vaccum cock
- Air Flow : 100% air take from inside roomthrough Polypropylene fume hood for protection of the personnel against toxic gasses and fumes by 100% exhaust the outside.
- Fluorescent lights
- Ducting : made from PP / PVC pipe / flexible duct
- Power Supply : 440V AC, 3-Ø, 50HZ



“PROTECH” DUST COLLECTOR



Technical Specification :

- PULSE JET DUST COLLECTOR – 500 CFM “PROTECH” PULSE JET DUST COLLECTOR Model PJ-04, Construction as follows:-
- 04 Nos. Dia.150 x 932 mm Cylindrical Fabric Filter Elements, enclosed in dust tight rectangle housing
- MOC : Main Body and support structure with coating - ID Fan MS coated
- Air handling capacity : 500 / 1000 CFM, fully automatic with self-cleaning pulse jet related accessories and solenoid valve program timer sets with required TEFC motor suitable for 3-phase high efficiency

LAMINAR AIR FLOW FOR OT ROOM

“We Provide Complete OT Room Solutions”
Protection from Harmful Contaminants
“Clean Room Setup”

- 1) Class 100 Laminar Flow
- 2) Air Handling Unit
- 3) Air Conditioning Unit
- 4) 0.3 Micron Filtration



MODULAR PARTITION PANEL



Intended to meet the particulars for Classes 100 to 100,000 (ISO 5 to ISO 8) condition. We are manufacturers, exporters and suppliers of clean room partitions with wall, puf panel and modular false ceiling in Ahmedabad India to worldwide with assured safety features. Clean Room puf Panels Consists of Following Sub Components : Clean Room Windows, Coving, Doors, 3D Corner Pieces, 2D Corner Pieces.

OUR VALUABLE CLINT



VENTILATION PRODUCT



STERILE GARMENT CABINET



WET DUST DIFFUSER



AXIAL FLOW FAN



AIR CURTAIN



FAN FILTER UNIT (FFU)



POSITIVE PRESSURE MODULE



CENTRIFUGAL BLOWER



DIFFUSER GRILL/VCD/DAMPER

PRTECH

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