

## PSI-045 Horizontal Laminar Airflow

PSI Horizontal Laminar Airflow System ideal for Microbiological manipulations, work with bio-assays, sterility testing and research work; Vial filling and bunging operations in parenteral units and general dry processing work in semi-conductor manufacture and Tissue culture work. Horizontal Laminar Airflow (unidirectional Airflow) is an confined area moving in a uniform velocity along parallel flow lines. A continuous wash of HEPA/ULPA filtered Air moving horizontally across the work area. The uniform stream of air filtered air moves forward over the work surface from the rear of the work area. The airflow across the work area directly at the user and exhausts into the surrounding area.



### Floor Mounted Version suitable when floor space is available

Product	PSI Horizontal laminar Airflow - Standard Version
Application	Tissue Culture / Biotechnology / Microbiology etc.
MOC	M.S. with Powder coated / Stainless Steel - Matt Finish
Pre Filter	PSI Make Pre Filter with Micro Glass Fibre Media of 5 Micron
Supply HEPA Filter	HEPA Filter efficiency 99.97% 0.3 Micron
Motor Blower Assembly	Induction Motor with Centrifugal Blower Statically and Dynamically balanced with Suitable Rating and Size.
Working Table	S.S. 304 with Due Reinforcement for Better Performance and Stability.
U.V. Light	U.V. Light for Sterilization
Side Panel Accessory No.	Clear Acrylic panel / UV Protected Polycarbonate panel
Pressure Gauge	USA Make Minihelic Differential Pressure Gauge / PSI Inclined manometer.
Lights	Fluorescent Tube with Milky White Diffuser.

### Performance

Air Cleanliness	Class ISO - 5 (as per ISO - 14644-1).
Air Flow Rate	0.45 ± 0.05mps. or 90 FPM ± 10 FPM
Illumination Of Light	Minimum 800 Lux on work table
Noise Level	Less than 67 db on Scale 'A' When Ambient sound Level is not Greater than 57 db on Scale 'A'
Vibration Level	Minimum.

- We are Mfg. of Complete s.s. (GMP).
- We are Provided IQ,OQ,PQ, Documents and user manuals.