

LAMINAR AIR FLOW

Manufacturer of
Life Science Research
Equipment



GeM
Government
e Marketplace



EPS Laminar Air Flow are the premium selection for the discerning researcher, offering a combination of value, high quality construction, low operating noise levels, and a wide product range to suit all budgets from the Research and Industry leader

Features

- The blower system maintains airflow as the filter becomes loaded, ensuring optimum efficiency and product protection.
- EPS products are manufactured for the most demanding laboratory applications.
- All components are designed for maximum chemical resistance and enhanced durability for a long service life.
- Each Laminar Air Flow is individually factory tested for safety and performance in accordance with standards.

Controller (Optional)



Horizontal/Vertical Models

EPS Laminar Air Flow - available in both horizontal and vertical flow models. In both models, air is taken in from above the cabinet and passed through a HEPA filter.

Blower System:- Direct drive, continuous duty 1/4HP with sealed bearings motors selected for energy efficiency, compact design and flat profile. Completely integrated assembly optimizes motor cooling. All rotating parts balanced for smooth, quiet and vibration-free operation.

Pre filter System:- Washable type pleated pre-filter with 90% efficiency is provided.

HEPA Filtration System:- Aluminum framed High efficiency Particulate air (HEPA) filter operate a typical efficiency of 99.97% at 0.3 micron size, provides superior product protection

User Interface:- An angled front, curved work surface front edge and glass sides promote ergonomics. The vertical air flow design minimizes direct airflow which may lead to dry eyes and fatigue on horizontal flow models.

Material of Construction:- EPS Models available in laminated finish /18 gauge Mild steel (MS) material with working area SS non corrosive material.

Control panel:- Switch controls for blower, light, outlet and UV are easy to clean and allow airflow to be monitored more accurately.

Product Protection:- Horizontal /Vertical laminar air flow with HEPA filtration, 99.97% at 0.3 micron size, provides superior product protection.

Air Flow:- 90FPM(0.45 m/s) 10FPM(0.05m/s) average velocity measured 6inches(152.4 mm) from the diffuser screen. Uniformity 20% of average or better 20 to 100 FPM. Compared with horizontal flow models, vertical flow clean benches generate less turbulence when large instruments or items are placed in the work zone.

Special features

- Provided with flexible / rigid clear side screens
- Can be designed to any size to suit site requirement

Applications

- Research laboratories
- Production machinery
- Micro Electronics
- Food Processing industries
- Filling line process
- Pharmaceutical Sealing
- Packaging Industries

Technical Specifications & Ordering Information:

MODEL	Inner working size (mm)	Overall Dimension in mm (LXDXH)	Material of Construction		
			Inner	Outer	Optional
EPS/LAF-H600	2' x 2' x 2'	660 x 840 x 1740	SS	MS	Fully SS
EPS/LAF-H900	3' x 2' x 2'	960 x 840 x 1740	SS	MS	Fully SS
EPS/LAF-H1200	4' x 2' x 2'	1260 x 840 x 1740	SS	MS	Fully SS
EPS/LAF-V600	2' x 2' x 2'	660 x 780 x 1980	SS	MS	Fully SS
EPS/LAF-V900	3' x 2' x 2'	960 x 780 x 1740	SS	MS	Fully SS
EPS/LAF-V1200	4' x 2' x 2'	1260 x 780 x 1980	SS	MS	Fully SS
Cleanliness Level	CLASS 100				
Air Velocity	90 FPM ± 20				
Particle Retention	0.3 u & above				
Accessories	Acrylic Door UV lamp Manometer Gas inlet Base stand Power socket HEPA filter Pre-filter other Other standard features.				
Optional Accessories	Ulpa filter (optional) Pressure gauge (Optional)				
Power Supply	230 V AC, 50 Hz				



Madras University



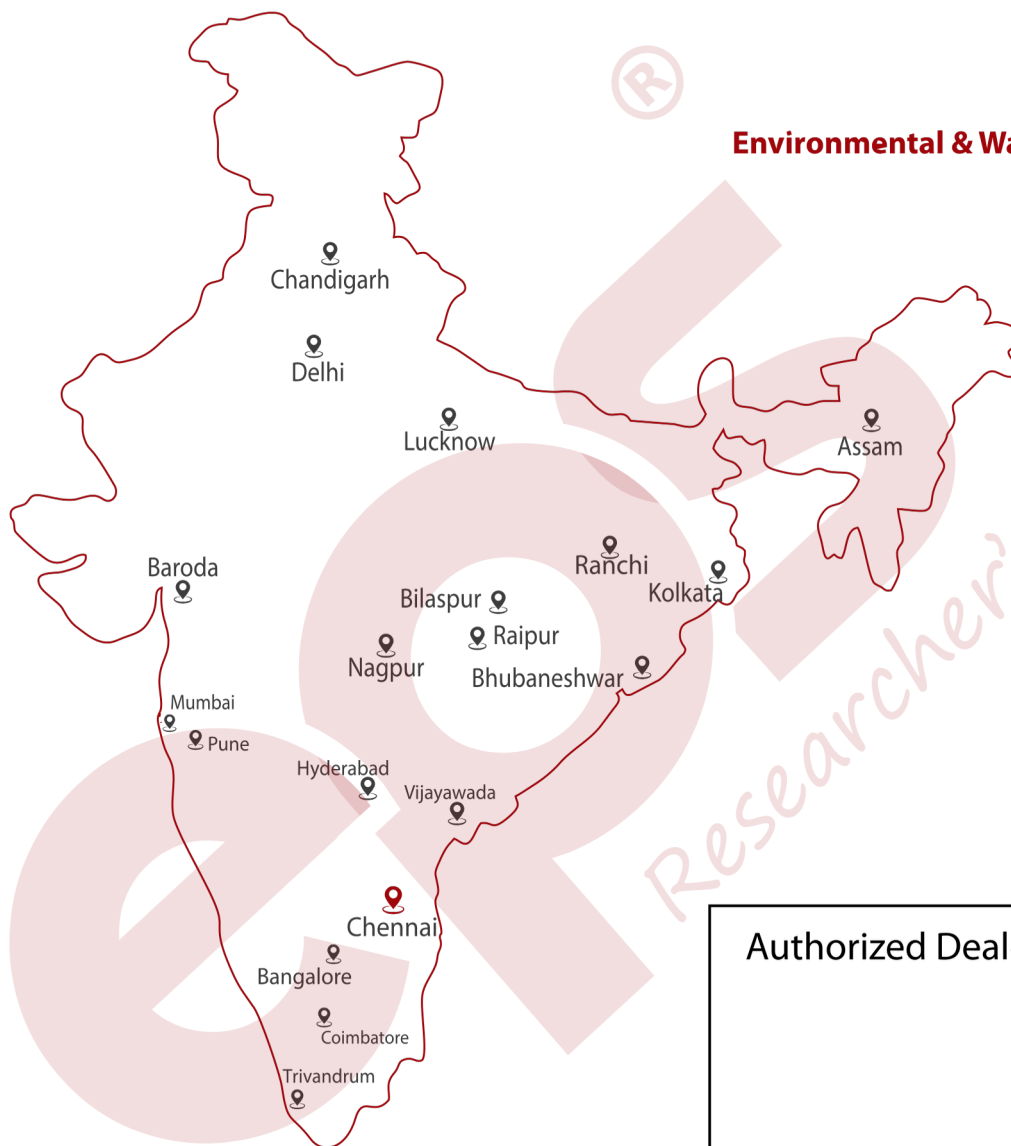
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