



## Laminar Air Flow (Horizontal)



Laminar Flow Cabinets are self-contained workstation units. They can be placed within a clean room to create an ultra-clean environment or used to provide an individual clean air environment for small items not requiring a full-size Clean room.

In case of Wooden Body the bench is made of thick ply board, and reinforced with teak wood wherever necessary. All visible surface are laminated with white decolam Lamination. All interior surfaces are painted with air drying Epoxy paint. The filter seat has rubber padding for a perfect rubber to rubber sealing. The Front & side panels are made of transparent acrylic sheet.

At the delivery end, the unit is provided with Super Air H.E.P.A. Filters, Comprising of non-woven microfibre glass pleated media.

The pleats are separated by corrugated aluminium foil separators. Initial pressure drop is less than 25mm W.C. at rated flow D.O.P. efficiency is better than 99.97% down to 0.3% microns particle size. The HEPA Filters are protected by a plastic/Aluminium grill. The unit is illuminated by fluorescent tube lights and is

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designed to provide a work area conforming to Class 100 of revised US Federal Standard 209B.

## Features

- WORKING TABLE OF S.S. 304.
- HEPA of 0.3m of an efficiency of 99.97% down to 0.3m Media Is of glass fiber & made of pleats back & frow in a anodized Aluminum frame.
- Pre filter (10m ) of dry fiber Washable type with the frame on all the sides.
- Confirm International Standard 209 E.
- Statically Balanced motor blower Assembly (Heavy Duty)
- Velocity at the output of HEPA is 90 + 20 FPM
- Ultra-quiet noise level of not more than 65 dBA
- Vibration is also very low.
- Work area properly illuminated by diffused glare free fluorescent light.
- Static Pressure Manometer
- U. V. Light 1 x 30/15 watts.
- Front & Side Door of Acrylic Sheet (Transparent)
- Cock for gases or vacuum line.

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WORKING SIZE	
L X W X D (In ft.)	L X W X D (In mm)
2' X 2' X2' Ft.	600x600x600
3' X 2' X2' Ft.	900x600x600
4' X 2' X2' Ft.	1200x600x600
6' X 2' X2' Ft.	1800x600x600
8' X 2' X2' Ft.	2400x600x600

## Optional Accessories:-

- Magnehelic Gauge in place of manometer
- U.V. Resistant Poly Carbonate Sheet in Place of Acrylic Sheet
- LCD display with soft touch switches for Motor, U.V. Light, F.V. Light and U.V. Timer

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