

SINCE 1978



OPTICS TECHNOLOGY

Manufacturer & Exporters of : LABORATORY TESTING INSTRUMENTS



An ISO 9001:2008 CERTIFIED
An ISO 10002:2004 CERTIFIED

CE Certified

LAMINAR AIR FLOW (HORIZONTAL)



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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 0.3µm particle size. The HEPA Filters are protected by a plastic/Aluminium grill.

The unit is illuminated by fluorescent tube lights and is 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 0.3µm of an efficiency of 99.97% down to 0.3µm Media Is of glass fiber & made of pleats back & front in a anodized Aluminum frame.
- Pre filter (10µm) of dry fiber Washable type with the frame on all the sides.
- Conform 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.

OPTIONAL ACCESSORIES:-

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



4. Microprocessor based Touch screen display system with special features like



- Display of velocity with lower and upper safe limits.
 - Display of total run time of instrument & timer for U.V. lamp
 - Control of U.V. light to prevent the operator from U.V. rays as and when required.
 - Door sensors to switch off the UV light when door is opened.
 - Display of message for life of HEPA filter, U.V. light etc.
5. Mini Pleat Hepa Filter (Separator Less)

AVAILABLE MODELS / SIZES

- 3' x 2' x 2'
- 3' x 2' x 2'
- 4' x 2' x 2'
- 6' x 2' x 2'
- 8' x 2' x 2'

Material of Construction (Outer Body)

WOODEN BODY

OR

MILD STEEL DULY POWER COATED

OR

STAINLESS STEEL (304)

*** ALL OTHER TYPES ARE ALSO AVAILABLE AS BELOW*****

VERTICAL LAMINAR AIR FLOW

HANGING MODEL

TABLE TOP MODEL

INCLINED MODEL FOR SEALING / FILLING

AND USER DEFINED MODELS



VALIDATION OF LAMINAR AIR FLOWS IS ALSO AVAILABLE, BEFORE DISPATCH / AT SITE ON REQUEST

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