LAMINAR AIR FLOW CABINET (HORIZOZNTAL & VERTICAL)

'TSI' BRAND EQUIPMENTS, BEST USE FOR YOUR LABORAORY

- **Microbiology Laboratories**
- **Bio-technology Laboratories**
- **Bio-medical Laboratories**
- **Chemical Testing Chemical Engg. Laboratories**
- **Pharmaceuticals Manufacturer's**
- **Medical & Dental Colleges Laboratories**
- **Research Laboratories**
- **Educational & Research Institute's**
- **R & D Centre's & Q.C. Assurance**
- **Soil, Bitumen, Concrete Laboratories**
- **Environmental Testing Laboratories**
- **Civil Material Testing & Calibration Laboratories**
- **Water & Waste Water Testing Laboratories**
- **Material Management and Metrological Laboratories etc ….**

THERMAL SCIENTIFIC

GSTIN No.33BNUPA8038G1ZW **E-mail: thermalscientific2021@gmail.com**

GeM Seller Id: **JSSP210003098413** **www.thermalscientific.in**

M. ARAVINDH - 99522 04307 **M. KASTHURI - 8925710946**

COMPLETE SOLUTION FOR LABORATORY EQUIPMENTS

THERMAL SCIENTIFIC INSTRUMENTS, CHENNAI

CAT. No.1031: "TSI" LAMINAR FLOW CABINETS (HORIZOTAL / VERTICAL)



Thermal Scientific Instruments offers a comprehensive range of high performance Horizontal, Vertical Laminar Flow Clean air Cabinets. These are designed to meet the filtration. Illumination, and noise & vibration requirements, providing particle free air to meet class 100 conditions of US Federal Standard.



CONSTRUCTION: All Laminar Flow Cabinets are basically constructed out of DURO BOARD teak wood, which is termite and insect proof, fire and weather resistant. Front, back, top and exterior surfaces are covered with white DECOLAM or FORMICA. Interior are epoxy painted. Work table is made of mica top (optional) S.S. top and side panels of 6mm thick transparent flexi glass duly framed.

AIR FLOW AND FILTRATION: Laminar flow principle involves double filtration of air. Atmospheric air is drawn through pre filter and is made to pass through highly effective HEPA (High Efficiency Particular Air) filters having efficiency rating as high as 99.99% with cold DOP and 99.97% with hot DOP, thus retaining all air-borne particles of size 0.3 micron and larger. Double filtered air blow in laminar flow through the work table at designed velocity of 90 ft/min +/- 20%.



BLOWER MOTOR ASSEMBLY: Statically and dynamically balanced, direct drive, sized to provide adequate air flow volume over the entire surface of HEPA filter. Fitted with 1/4 HP motor and operates with minimum noise level i.e. lower than 65 db on scale and Vibration less than 2.5 um. (0.0001 deg).

LIGHTING: Work area properly illuminated by diffused, glare free fluorescent light supplied with Gas inlet, Front Door, Manometer, Wheel for easy movement, UV Lamp.

MODEL	HL-22 / VL-22	HL-32 / VL-32	HL-42 / VL-42	HL-62 / VL-62
Working Area	2' x 2' x 2'	3' x 2' x 2'	4' x 2' x 2'	6' x 2' x 2'
Size of HEPA Filter	2' x 2' x 4"	3' x 2' x 4"	4' x 2' x 4"	3' x 2' x 4"
No. of HEPA Filter	1 No.	1 No.	1 No.	2 Nos.
No. of PRE Filter	1 No.	2 Nos.	2 Nos.	2 Nos.
Illumination	1 x 20 W	1 x 20 W	2 x 40 W	2 x 40 W

POWER REQUIREMENT: 230V, Single phase, 50 Hz AC supply

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OUR RANGE OF PRODUCTS

- Autoclave – Vertical – Double Walled
- Autoclave Horizontal – Cylindrical
- Autoclave Horizontal- Rectangular
- Autoclave (Vertical) Laboratory
- Radial Look Autoclave (Vertical)
- Cooker Type Autoclave (Manual)
- SS Cooker Type Autoclave (Automatic)
- Fume Exhaust Hood
- Muffle Furnace -Heavy Duty Modal
- Fully SS 304 Muffle Furnace -Lab Modal
- Tray Dryer Oven
- Lab Model-Hot Air Oven
- Portable Humidity Chamber
- Hot Plated
- Oil Bath
- Vertical Laminar Air Flow
- Horizontal Laminar Air Oven
- Memment Model Hot Air Oven
- Prosthetic and Orthotic Oven Combined
- Tray Dryer
- Industrial Oven
- High Temperature Oven
- High Temperature Tray Drying Oven
- Temperature Sensor Test Bath
- Bacteriological Inoculator
- Fully Ss 304 Hot Air Oven
- Industrial Water Bath
- Top Door Hot Air Oven
- Portable Water Distillation Unit
- Constant Temperature Water Bath
- 12 Holes Water Bath
- Ss Drying Clarinet
- Sterility Chamber
- Lab Modal -Drying Clarinet
- Industrial - Drying Clarinet
- Humidity Chamber
- Vacuum Oven
- Cod Digester /Reactor
- 25°C Freezer
- C02 Chamber
- Hot & Clod Chamber
- OT Sterilizer

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- Le- Chatelier
- Waking Drying Oven

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