

VERTICAL LAMINAR AIR FLOW

HIGH QUALITY

**FRONT WINDOW 10 DEGREE
SLOPED**

HIGH FILTER EFFIECIENCY



VERTICAL LAMINAR AIR FLOW



About it

A laminar flow cabinet or tissue culture hood is a carefully enclosed bench designed to prevent contamination of semiconductor wafers, biological samples, or any particle sensitive materials. Air is drawn through a HEPA filter and blown in a very smooth, laminar flow towards the user. Due to the direction of air flow, the sample is protected from the user but the user is not protected from the sample.

APPLICATIONS:

- Laminar Flow Cabinets are suitable for a variety of applications and especially where an individual clean air environment is required for smaller items, e.g. particle sensitive electronic devices.*
- In the laboratory, Laminar Flow Cabinets are commonly used for specialized work.*
- Laminar Flow Cabinets can be tailor made to the specific requirements of the laboratory and are also ideal for general lab work, especially in the medical, pharmaceutical, electronic and industrial sectors.*

ISO 9001: 2015
ISO 13485: 2016



CONTROLLER



Features:

- 1) Programmable setting
- 2) 16x4 LCD Display
- 3) Easy to operate
- 4) High accuracy of load
- 5) Excellent quality, safety and strong resistance to interference.

Technical Specifications:

- 1) **Measuring accuracy:** 0.01%
- 2) **Sensor:** Analog input
- 3) **Range:** Hr 999:59 min\ Hr 99:59 min
- 4) **Supply:** 230V Ac +/- 20%.

ISO 9001: 2015
ISO 13485: 2016



TECHNICAL SPECIFICATIONS

Model No	CAV 900	CAV 1200	CAV 1800
Working area: Feet/ mm	3x2x2/ 914x605x587	4x2x2/ 1259x605x587	6x2x2/ 1869x605x587
Direction of flow	Vertical		
Velocity	100 FPM +/- 20%		
Noise level	65 db A +/- 5%		
Material of construction	Outer material: MS Powder coated, Inner material made up of Stainless steel		
Working table	Made of perforated stainless AISI 304 grade.		
Front door	UV protected glass door front window		
Hepa filter / Inflow and exhaust	H-14; Pre filter present; Particle retention: 0.3 micron; grade with efficiency of 99.9997% as per EN 1822 standards; Pressure drop: 23mm WG.		
Blower assembly	Single phase, 1440 RPM Motor, directly coupled with a pair of aluminium centrifugal impeller.		
Exhaust assembly	By ¼ HP, Single phase motor, directly coupled with an aluminum impleer. Ducting made of 150 dia PVC pipe with rain-guard.		
Front window	The 10° slope front window provides the operator comfortable ergonomics Posteur		
UV Management	Programmable UV Decontamination Kit		
Display	Digital Display with touch pad key for operation		
Ultra violet lamp	3 feet, 30 watt		
Illumination	Automatic Internal Lighting		
Standard accessories	Base stand with storage shelves, Magnehelic differential pressure gauge, additional power points and wire chord.		
Power supply	220V, single phase, 50Hz.		

STANDARD ACCESSORIES



**ELECTRICITY SOCKET WITH SWITCH
& VACCUM TAP**



DIFFERENTIAL PRESSURE GAUGE

MEHROTRA BIOTECH PRIVATE LIMITED

HEAD OFFICE: LUCKNOW ADDRESS -M&M TOWER B-22 23 VIBHUTI KHAN GOMTI NAGAR, Lucknow 226010

Tel + 91 522- 2720663 Fax + 91 522- 4004804.

BRANCH OFFICE: DELHI ADDRESS-302, Building No.38, 3rd floor Ansal Tower, Nehru Place New Delhi-110019

Phone number- +91 9654785888, +91-011 41021495.

BRANCH OFFICE: HYDERABAD ADDRESS-G1, 6-3-1177, A/12, HUSSAIN NAGAR, KUNDANBAUG , HYDERABAD 500016.

Phone number- 09911675755, 08447143644

BRANCH OFFICE: MUMBAI ADDRESS- 301, SUDAMA SHILPA, DR. R. P. ROAD DATTANAGAR, DOMBIVILLI (EAST)-421201, MUMBAI.

Phone number: 9769173005

E-mail: sales@mehrotrabiotech.com, service@mehrotrabiotech.com,

Website: www.mehrotrabiotech.com.