

VERTICAL LAMINAR AIR FLOW



SILENT
OPERATION



ENERGY
EFFICIENT



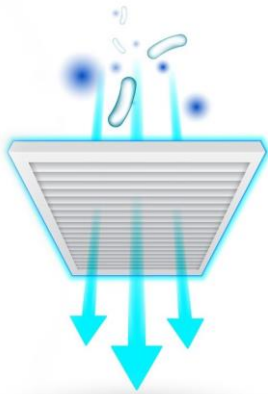
DIGITAL
CONTROLLER

VERTICAL LAMINAR AIR FLOW



Mehrotra Biotech make Vertical Laminar Air Flow Cabinet is engineered specifically for handling non-hazardous materials that require a particle free environment. These cabinets offer the highest product protection.

Vertical LAF have been specially designed to work in Hospitals, Pharmacies, IVF Centers, Food Control, Horticulture in vitro Cultures and also in Electronics, Optics, Micromechanics, Plastic Industries, etc



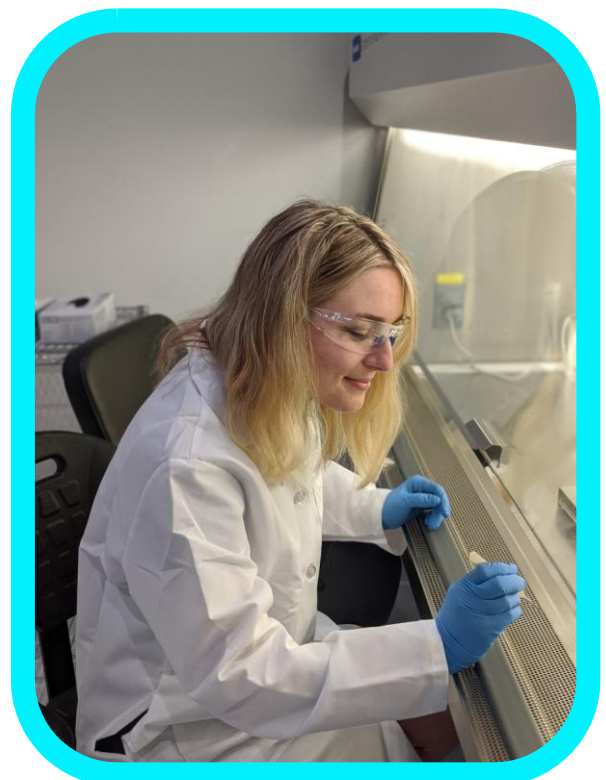
Vertical Laminar Flow system with 30% air recirculation and 70% exhaust system allows operation in sterile and particle free conditions. Thanks to the continuous flushing of the working area by means of a unidirectional vertical HEPA filtered air flow.

The positive pressure at the work area prevents inflow of contaminated air from the surrounding environment into the work area.

FEATURES

- 10 degree sloped front for comfortable user sitting with easy slide sash opening.
- User Friendly LCD display Controller for Fan, UV light and LED illumination.
- Removable, stainless steel work surface.
- LED lighting provides uniform illumination
- Energy efficient compact yet powerful blower motor
- Programmable UV timer along with total UV time log.
- Easy access gas valve and power port.
- HEPA Filtered unidirectional vertical air flow
- Double layered with UV protected Front

Glass



TECHNICAL SPECIFICATIONS

Model	CAV900	CAV1200	CAV1800
External Dimension(LxWxH)	1067x746x1295 mm	1370x746x1295 mm	1980X746X1295 mm
Internal Dimension(LxWxH)	930x580x660 mm	1240x580x660 mm	1860X580X660 mm
Display	16x4 LCD Mono color		
Filter	Down flow 900/1200/1800 x 450x69mm HEPA Filter η 99.999% @0.3 μ m as per EN1822 ; Pre-filter: 450x300x69mm G3 type with η 90% @ 10 μ		
Cleanliness	Class 10 as per ISO 14644-1		
Noise	<58dB \pm 5%		
Pressure Gauge	Analog Differential Pressure Gauge with accuracy \pm 4%,15 PSI(1.03bar)		
Sensor	Digital Air Flow Velocity input		
Sterilization	15W 254nm UV Tube	30W 254nm UV Tube	30W 254nm UV Tube
Blower	High Efficiency Centrifugal Blower		
Flow Velocity	0.45 m/s / 90FPM / 45 Air Changes Per Min (Settable in m/s only)		
Illumination	2 Nos. 18W LED Batten	2 Nos. 40W LED Batten	
Front Sash	Double layered laminated glass for UV protection counter balanced at back		
Workspace	Mirror Polished AISI 304 Stainless steel with removable worktop.		
Standard Service Port	1 Nos 15 Amp Socket with switch 1 Nos Gas nozzle with shutoff valve.		
Sash Opening	8in (203.2mm) adjustable to user requirement		
Rated Voltage	220V -240V /50hz		
Rated Power	155	350W	500W
Standard Accessory	Powder Coated MS Base Stand with Lockable Castors.		
Optional Accessory	Additional Power Sockets, Air Flow Monitoring ,		



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