



LAB-CARE INSTRUMENTS & SERVICES

Mfg. of : Laboratory, Scientific, Surgical,
Industrial Heating & Cooling Equipments & Instruments

LAMINAR AIR FLOW CABINET



Horizontal Model



Vertical Model

Specification:

Models	HL-2/VL-2	HL-3/VL-3	HL-4/VL-4	HL-6/VL-6	HL-8/VL-8
Working Size	2' x 2' x 2'	3' x 2' x 2'	4' x 2' x 2'	6' x 2' x 2'	8' x 2' x 2'
Filter Size	2' x 2' x 6"	3' x 2' x 6"	4' x 2' x 6"	3' x 2' x 6"	4' x 2' x 6"
No of HAPA Filter	1	1	1	2	2
No of Pre-Filter	1	1	1	2	2
Illumination	1 x 20 watts	2 x 20 watts	2 x 40 watts	3 x 40 watts	4 x 40 watts
Working Table Top	2' x 2'	3' x 2'	4' x 2'	6' x 2'	8' x 2'
Motor Blower	0.25 H.P.	0.5 H.P.	0.5 H.P.	1.0 H.P.	1.0 H.P.
Cabinet	Mild Steel powder coated				
Side panels	Acralic / Glass				
Air Velocity	Between 0.4 to 0.5 m/s +/- 20%				
Sound Level	Less than 65 db (A)				
Light Intensity (Lux)	900-1300 Lux				
cleanliness	Federal Standard 209 E class 100				
Optional					
Front Door	Acralic				
Gas cock	1 no for each				
Castor	Movable castor wheels at the bottom				
S.S.Table Top	2' x 2'	3' x 2'	4' x 2'	6' x 2'	8' x 2'
U.V. LIGHT	2'	3'	4'	3' X 2 Nos	4' x 2 Nos
Power Consumption	2 Amps	3 Amps	5 Amps	8 Amps	10 Amps
Net weight , approx	50 kgs	65 kgs	75 kgs	88 kgs	105 kgs
Electric requirements AC 230 V & 50 Hz cycle.					



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Construction Details

Construction Details - Our modular units are fabricated of industrial grade stainless steel grade SS-304 or PCRC body as desired. The inner portion painted with epoxy paint coating for extra-long life. The side panels made glass sheets are mounted on anodized aluminum frames.

Noise Level - These laminar air flow units are designed to ensure minimum possible noise and vibration levels.

Illumination - The fluorescent light housing is externally mounted to provide optimum lighting into the work area. The acrylic top and side panels allow for additional ambient light and visibility into the work area.

Filter Assembly

Laminar air flows are fitted with fully washable synthetic pre-filter units and secondary high efficiency air filters made of mini pleated non-woven fabric. The efficiency of filters have a rating of better than 99.99% at DOP (cold) and 99.97% at DOP (Hot). Filter units have the capacity to hold all suspended particles of size greater than 0.3 micron.

Motor and Blower Assembly

laminar air flow units are provided with perfectly balanced (Static as well as dynamic) motor and blower motors bearing ISI mark. The rating of the assembly is 1/5 HP. high efficiency pumps which have life long lubricated bearings ensure a trouble free operation for a long time.

Ultra Violet Light

Technical Details

Cabinet construction SS-304/PCRC SHEET
Working Platform :Stainless Steel Grade SS-304
Frequency 50Hz
Nominal voltage 220-230 volts
Air flow Unidirectional
Noise pressure(dB) (A) <54dB
Pre filter unit Washable pre filter unit
Illumination Fluorescent light illumination greater than 800 lux
Power Requirements

Application :Pharmaceutical, Heath Care,Bimedical Research Laboratoires,Chemical
Medical Application ,Laboratory Application ,Microbiological & Laboratory