

LAMINAR AIR FLOW HORIZONTAL

Laminar flow cabinet (horizontal / vertical) designed so as to meet the requirements of US federal standard 209 B (BS) providing particle free air to meet class 100 conditions. The unit is fitted with pre-filter and HEPA filter. Air is drawn through pre-filter and is made to pass through highly effective HEPA filters having efficiency rating as high as 99.99% with cold DOP & 99.97% with hot DOP thus retaining all air-borne particles of size 0.3 micron and larger. Using a dynamic machine, the blower and motor assembly is statically and dynamically balanced ISI marked motor of 1/4 HP capacity operates with minimum noise level less than 60 dB on a Scale. The working area is illuminated by fluorescent lighting fitted to the unit. Height of the working table provides a comfortable "SIT DOWN" working position for the operator.

SALIENT FEATURES

- The cabinet are fabricated of thick mild steel / stainless steel laminated by cold rolled steel duly powder coated or SS as per requirement
- Work table is made of SS with mirror finish which makes it easy to clean, washable & chemical resistive, corrosive free, Leak proof construction.
 - Side panels are made out of thick transparent plexus glass / acrylic sheet duly framed
 - High efficiency pre filter
 - HEPA filter efficiency- 99.99% with cold DOP & 99.97% with hot DOP thus retaining all air-borne particles of size 0.3 micron
 - Pressure manometer to gauge the pressure drop in the unit
 - Built in two number U.V. Germicidal Light for disinfection and fluorescent light for work space illumination (60 W, 800 Lumens)
 - Utility- gas/air cock and multi point electric socket.
 - Transparent UV protected front door glass.
 - Air flow Rate: 0.35 to 0.75 m/sec.
 - Velocity should be: Approx. 90-100* FPM higher velocity available on request
 - Vibration level <2.5 micron
 - fitted with magnehelic differential pressure gauge
 - Castor wheels for ease of movement.
 - Works on 230V AC supply



SPECIFICATIONS

Model	APS-LAF-H-010	APS-LAF-H-011	APS-LAF-H-012	APS-LAF-H-013	APS-LAF-H-014
Size (feet)	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'
Size of HEPA filter	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 HEPA filters	1	1	1	2	2
No of pre filters	1	1	1	2	2
Illumination	1 x 20 W	1 x 20 W	2 x 20 W	2 x 40 W	4 x 40 W
UV Germicidal light	1' x 1½'	1' x 1½'	1' x 3'	2' x 3'	2' x 3'