

Spire Automation & Innovation, India.

Inspiring Generations...

LAMINAR AIR FLOW BENCH



Laminar flow cabinet (horizontal / vertical) designed so as to meet the requirements of US federal standard 209 B (BS 5295) 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 1/5 HP capacity operates with minimum noise level. The working area is illuminated by fluorescent lighting fitted to the unit. Height of the working table provides comfortable "SIT DOWN" working position for the operator.

SALIENT FEATURES

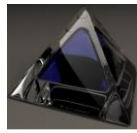
- The cabinet is fabricated of thick wooden sheet (Optional : outer body made of mild steel duly powder coated / SS as per requirement)
- Work table is made of SS with mirror finish which makes it easy to clean, washable & chemical resistive, corrosive free.
- Side panels are made out of thick transparent 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 U.V. Germicidal Light for disinfection and fluorescent light for work space illumination
- Utility- gas/air cock and multi point electric socket.
- Transparent front door
- Castor wheels for ease of movement.
- Works on 230V AC supply

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Corporate Office: S.No 71,B-28,Rajsagar,Kirti Nagar,New Sangvi,Pune,Maharashtra,India-411061 **Tel:** +91-9975777088 / +91-9422771136

Email ID: sagar@spireautomation.com / nisarg@spireautomation.com **Web:** www.spireautomation.com



SPECIFICATIONS

Model	SAIL-LAF-H / V-010	SAIL-LAF-H / V-011	SAIL-LAF-H / V-012	SAIL-LAF-H / V-013	SAIL-LAF-H / V-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'

Note: "H" in models stands for Horizontal & "V" stands for vertical

While placing order please select H or V from the model i.e. Horizontal / Vertical

Optional:

- Outer cabinet body made of MS duly powder coated
- Front door made of transparent POLYCARBONATE SHEET in lieu of plexi glass to cost extra.
- Magnetic gauge (To track filter pressure) in lieu of static pressure manometer.
- Electronic filter choke alarm. (Differential pressure monitor).
- Interlocking of U.V. Germicidal tube & fluorescent light with auto switch off/on mode for motor blower when the door is closed/open.
- Microprocessor LCD Controller with Auto Switch off mode for motor blower when door is closed. Digital buzzer timer sounds an audio alarm on completion of sterilizing time of the chamber and the switches off U.V. germicidal tube and automatically switches ON the fluorescent light, alerting the user that the bench is ready for use.
- Hour meter totalizer for U.V. light.