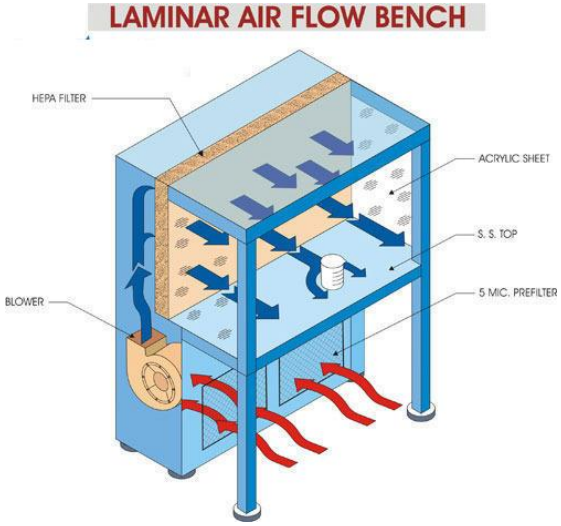
AMESYS INDIA

HORIZONTAL LAMINAR FLOW

Laminar Flow Hoods are self-contained clean work stations designed to provide a sterile work environment. The Laminar Flow Hood produces air flow, free from particulate and biological contaminants. Ambient air is drawn in through a prefilter of the cabinet and introduced to the work zone through a HEPA filter(s). Laminar Flow Hoods are used for:

- *Aseptic dispensing*
- *Media pouring*
- *Tissue culture*

The Laminar Flow Hood provides protection for products or experiments but does not protect the worker or the environment from biohazard and/or infectious material which may be handled in the work zone.



Horizontal Laminar Flow
Model: LF-1200 HDA
MRP : Rs. 495000/-

Email: amesysindia@gmail.com , ***www.amesysindia.in*** , *www.amesys-india.com*

APPLICATION & KEY FEATURE

1. **External structure in epoxy powder coated cold-rolled steel** for excellent corrosion resistance to the attack by aggressive common chemicals.
2. **Work surface in stainless steel AISI 304L** fixed in one piece.
3. **Front window:** Safety polycarbonate/Acrylic glass to give easy access to large items. It is provided with gas springs/Magnetic latch to keep it open during maintenance or sanitization operations.
4. **Filtration:** H14 HEPA/ULPA filter with an efficiency better than 99,995 % MPPS (EN-1822).
5. **Prefiltration:** Inlet G3 pre-filter efficiency 80≤AM≤90 according to EN 779 and UNI 10339
6. **Operation Condition:** Air cleanliness in Class ISO 3 as per ISO: EN 14644-1.
7. **Motor blower:** direct coupled motor, electronic speed controlled to maintain a constant laminar air flow of 0.45 m/sec (± 0.05), and compensate for a partially clogged filter up to a maximum plenum pressure of 40 mm of water.
8. **The user-friendly large Touch Screen** will continuously display all required data keeping the user constantly informed of the cabinet conditions in operation, and in particular:
   - display of laminar airflow velocity
   - display of temperature
   - display of residual lifetime of HEPA/ULPA filter, UV Lamp.
   - display of total number of hours of operation
   - display of saturation level of HEPA/ULPA filter
   - Audio-visual alarms provided for:
   - out of range or incorrect laminar airflow velocity
   - front window opened
   - clogging of HEPA/ULPA filter
   - end of life-cycle of UV lamp
   - Differential pressor of HEPA/ULPA display on Screen
9. Digital pressure gauge with alarm
10. Bluetooth/IR Remote Enable to control all parameter
11. USB/RS232 data transfer
12. 21 CFR SW Enable
13. Thermal Printer
14. **Lighting:** fluorescent tubes in built-in housing, placed outside the sterile area.
15. **D.O.P.-DEHS** inlet port for testing the HEPA/ULPA filters
16. **Magnetic and removable UV sterilizing lamp** that can be placed in the back wall. It is completed with switch-off countdown timers, variable on a 0-3 hours scale (1-minute steps)

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Specifications

Make	AMESYS INDIA
*Model	LF-1200 HDA
MRP (In INR)	495000.00
Internal Dimensions (WxDxH) mm	*1210x610x610*
MOC	*Internal Working Chamber: Stainless steel (SS-304)* *Exterior Cabinet: Powder Coated Mild Steel*
Pre - Filter	*Mounted on aluminum frame, of rating 20 microns*
Supply / Main Filter	*HEPA with efficiency 99.97% @0.3 microns to meet air quality ISO Class IV*
Front window	*Safety polycarbonate/Acrylic glass*
Noise level	*< 60 dB*
Lighting	*Fluorescent tubes/LED Tube*
sterilizing	*Through UV lamp*
Power Supply	*230 Vac 50 Hz*
Utility	*Gas/Air cock and multipoint 15/5 Amp. Electric socket.*

An ISO9001:2015 and WHO-GMP Certified Company

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