

LAMINAR AIR FLOW



Brand: **BioGenix®**

OVERVIEW

Laminar Air Flow are conceptualized to provide a work area completely bathed in high efficiency perfect air, which is free from any kind of particulate contamination or impurities. These units are ideally suited in all the applications, requiring protection of biological specimens or products from the possible contamination during the process or test. Our **Laminar Air Flow Bench** is fast gaining popularity in other fields, such as pharmaceutical production, electronic industries and various other manufacturing applications.

It is useful for various works that require maintenance of the cleanness and purity like plant tissue culture, examination and experimentation of precision electronic parts, medical science, entomology, pharmacy, agriculture sector, seed science, veterinary science.

A clean bench, on the other hand, offers a pivoting glass sash as a safety measure. This sash offers personal protection and a physical barrier when working with chemicals. Clean benches are common place in microbiology, forensic, biotech and many other industries, which utilizes them during procedures that require clean work area.



SPECIAL FEATURES

- Durable & cost-effective
- Fluorescent tube light
- HEPA filter filters that allow unidirectional airflow Preventing the recirculation of molecules.
- No gaps and joints to prevent the accumulation of germs.
- Air filters made up of mini-plated non-woven fabric.
- Balanced motor static as well as dynamic
- 99.997% efficiency at 0.3 μ particle
- Transparent Front Door (5mm)
- Pressure Manometer
- Built in U.V. Germicidal Light
- Corrosion Resistant and Energy Efficient** –laminar air flow uses less energy to provide the same level of performance, comfort and convenience, thus making it energy conserving.
- Sturdy Construction**–laminar air flow are built with robustness to withstand stress and strain, giving it long life and ability to perform in extreme stress environments.



Features

- Outer body: Wooden Body/ M.S, Body Duly Powder Coated/S.S. 304 Body
- Working table of S.S. 304.
- Air flow and filtration: Double filtration of air.
- Atmospheric air to be drawn through pre filter and made to pass through highly effective HEPA (High Efficiency Particular Air) filters having efficiency rating as high as 99.99% with cold DOP and 99.97% with hot DOP, thus retaining all airborne particles of size 0.3 micron and larger.
- Pre filter (10μ) of dry fiber Washable type with the frame on all the sides.
- Confirm International Standard 209 E.
- Statically Balanced motor blower Assembly (Heavy Duty)
- Double filtered air blows in laminar flow through the work table at designed velocity of 9 ft. min. ± 20%.
- Velocity at the output of HEPA is 90 + 20 FPM
- Consumable size in van= 26" (W) X 32" (D)
- Noise level is very low.
- Vibration is also very low.
- Normal working fluorescent Light.
- Static Pressure Manometer
- U. V. Light 1 x 30/15 watts.
- Front & Side Door of Acrylic Sheet (Transparent)
- Gas cock. air or vacuum line
- The body is made of laminated board duly satin finished wherever necessary/M.S. duly powder coated/S.S. Body.
- Power requirement: 230V,1 phase, 50 Hz, AC supply

Optional feature

- U.V. Resistant Poly Carbonate Sheet in Place of Acrylic Sheet
- LCD display with soft touch switches for Motor, U.V. Light, F.V. Light and U.V. timer
- Timer for U. V. Light.
- Microprocessor based Touch screen display system with special features like
- Display of velocity with lower and upper safe limits.
- Display of total run time of instrument & timer for U.V. lamp
- Control of U.V. light to prevent the operator from U.V. rays as and when required.
- Door sensors to switch off the UV light when door is opened. Display of message for life of

Working Size

MODEL NO	WORKING AREA
BS-LAF-2FT	2' X 2' X 2'
BS-LAF-3FT	3' X 2' X 2'
BS-LAF-4FT	4' X 2' X 2'
BS-LAF-6FT	6' X 2' X 2'
BS-LAF-8FT	8' X 2' X 2'