

Vertical Laminar Airflow Cabinet



Vertical Air Flow Laminar Clean Bench – PRO

The **Vertical Laminar Clean Bench** provides a high-quality, clean, and controlled work environment that adheres to strict cleanliness standards. Designed for laboratories and cleanroom applications, it ensures effective airflow management and contamination control.

Key Features

- **Airflow System:**
 - Draws air from the surrounding environment.
 - Passes through a HEPA filter using a high-efficiency fan.
 - Distributes clean air vertically downward for uniform airflow across the workspace.
- **Structure:**
 - **Worktop:** Stainless Steel 304 for durability and easy cleaning.

- **Front Window:** 5 mm safety acrylic transparent plastic with a counterweight system for easy adjustment.
- **Side Windows:** Transparent panels for enhanced visibility.
- **Filter System:**
 - Equipped with a HEPA filter for superior air purification.

This clean bench is ideal for laboratories, pharmaceutical facilities, and precision-driven industries requiring a contamination-free workspace.

Technical Specifications

Dimensions

- **Outer Dimensions (W x D x H):**
 - **Inches:** 47.2 x 33.4 x 51.9
 - **Millimeters:** 1200 x 850 x 1320

Workspace Dimensions:

- **Inches:** 42.1 x 27.5 x 29.5
- **Millimeters:** 1070 x 700 x 750

Custom sizes are available upon request to meet specific requirements.

Performance Specifications

- **Air Velocity:** 0.33 m/s (66 fpm)
- **Noise Level:** <54 dB (measured 20 cm from the worktop, 1.2 m above ground)

Lighting and Electrical

- **Light Types:** UV 366 nm, UV 254 nm, VIS
- **Illumination:** 800 lux LED lighting
- **Power Supply:** 220 V, 50/60 Hz, Single Phase
- **Indoor Facility:** Two socket outlets
- **Extra Facility:** Vacuum pump installation arrangement (vacuum pump included)

Filter and Fan System

- **Pre-Filter:** 5 μ m filter
- **Final Filter:** HEPA Filter (Efficiency of 99.9995% at 0.3 microns, H14)
- **Blower Fan:** High-efficiency centrifugal fan with adjustable speed control via a regulator

Material and Construction

- **Hood Material:** Polypropylene
- **Worktop Material:** Stainless Steel 304

This Vertical Laminar Clean Bench is a robust and reliable solution for ensuring contamination-free workspaces. It combines advanced performance, durability, and user convenience, making it a valuable addition to any laboratory or cleanroom.