

## Clean Bench/ Laminar Airflow Cabinet



### TopAir's Vertical Laminar Clean Bench

#### Overview

TopAir's Value Line Vertical Laminar Clean Benches provide a controlled environment for applications requiring Class 100/ISO 5 cleanliness. Designed for diverse industries such as healthcare, pharmaceuticals, and electronics, the clean bench features advanced filtration and air purification technologies to maintain optimal cleanliness levels.

#### Key Features

##### 1. Clean Air Environment:

- Class 100/ISO 5 cleanliness level.
- Airflow system tested to comply with USA Federal Standard 209E, ISO 14644-1, and CE certifications.
- High-efficiency HEPA filter with 99.9995% efficiency at 0.3 microns (optional ULPA filter available).

##### 2. Robust Structure:

- Durable metal structure with epoxy-coated paint.
- 304 stainless steel work surface for easy cleaning and corrosion resistance.
- Transparent tempered glass side windows for visibility.
- Front sliding sash with a counterweight for safety and usability.

### 3. Advanced Alert Systems:

- Red Light Alert for air velocity failure:
- Red light switches on in case of failure.
- System shuts down automatically for safety.
- Facilitates convenient detection of issues, even for the hearing impaired.

### 4. High-Tech Controls and Convenience:

- Microprocessor-based control system with a 7" color touchscreen display.
- 10-speed fan control for customizable airflow.
- Airflow display and filter replacement alarms for proactive maintenance.
- Multi-language interface with metric/imperial units for global compatibility.

### 5. Additional Features:

- High-efficiency quiet EC fan for noise control (<54 dB).
- UV Germicidal Light (254 nm) with a safety interlock mechanism.
- LED lighting at 800 lux illumination.
- Two universal electrical outlets.
- Metal stand with casters for mobility.

### 6. Optional Enhancements:

- Integrated Particle Monitoring System (IPMS).

## Specifications

Model	HC-V120
Outer Dimensions	47.2" x 33.4" x 47.2" (1200x850x1220 mm)

Model	HC-V120
Workspace	42.1" x 24.4" x 23.6" (1070x620x600 mm)
Cleanliness	Class 100 (FS 209E) / ISO-5
Air Velocity	0.33 m/s (66 fpm)
Noise Level	<54 dB
Power Supply	110/220V, 50/60 Hz, Single Phase
Hood Material	Metal epoxy-coated paint
Worktop Material	Stainless Steel SUS 304
Filters	HEPA (99.9995% @ 0.3 microns H14)
Illumination	800 lux LED lighting

## Applications

- Healthcare and diagnostic labs.
- Pharmaceutical production.
- Electronics manufacturing.
- Academic research facilities.

## Certifications

- Complies with USA Federal Standard 209E, ISO 14644-1, and CE standards, ensuring reliability and quality.

## Why Choose TopAir's Clean Benches?

TopAir's Vertical Laminar Clean Benches combine innovative filtration technologies, user-friendly controls, and durable construction to create a versatile, clean, and safe workspace. Designed to cater to strict cleanliness requirements, the Value Line delivers consistent performance for sensitive processes and environments.