

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)

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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.