



# Value line Metal Vertical Air Flow Laminar Clean Bench

TopAir's Value Line provides high-quality metal structure Vertical Laminar Clean Benches. Clean benches are designed to supply a clean controlled work environment meeting Class 100/ISO 5 Cleanliness level. The clean bench is tested according to USA Federal Standard 209E/ISO 14644-1/CE and can be customized to meet customer requirements.

TopAir's clean benches draw air from the room or hall space, pass it through a HEPA filter using a fan, and then distribute the clean air across the working area. In vertical benches, the filtered air is directed through a filter installed at the top of the bench.

### Structure:

- Metal epoxy-coated paint
- Work surface made of 304 stainless steel
- Side windows made of tempered glass
- Front sliding sash with counterweight

### Red Light Alert:

Whenever there is an air velocity failure, a red light inside the unit switches on, and the system automatically switches off. This enables convenient detection of failures from a distance, facilitating notice even for the hearing-impaired.

- Microprocessor control system with 7" color touchscreen display
- Fan control with 10 speeds
- Airflow display and alarm
- Filter replacement alarm
- High efficiency quiet EC fan
- Germicidal waterproof UV light (254 nm) system and safety interlock mechanism
- 800 lux LED lighting
- UV light
- 2 universal electrical outlets
- Metal stand with casters
- Multi-language control with metric or Imperial units
- Certifications: Compliance with US Federal Standard 209E / ISO 14644-1 / CE
- Optional Integrated particle monitoring system (IPMS)



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Spec/ Model	HC-V090	HC-V120	HC-V150	HC-V180
<b>Outer Dimensions W x D x H</b>	35.4*33.4*51.9" 900*850*1220 mm	47.2*33.4*47.2" 1200*850*1220 mm	59*33.4*47.2" 1500*850*1220 mm	70.8*33.4*47.2" 1800*850*1220 mm
<b>WE CAN CUSTOMIZE ANY SIZE - EVEN A SINGLE UNIT! CONTACT US FOR DETAILS</b>				
<b>Workspace (W x D x H)</b>	30.3*24.4*23.6" 770*620*600 mm	42.1*24.4*23.6" 1070*620*600 mm	53.9*24.4*23.6" 1370*620*600 mm	65.7*24.4*23.6" 1670*620*600 mm
<b>Test Standard</b>	USA Federal Standard 209E / ISO-14644-1, CE			
<b>Air Velocity m/s</b>	0.33 m/s, 66 fpm			
<b>Cleanliness in Workstation</b>	Class-100 (FS 209E) ISO-5, ISO-14644-1			
<b>Hood Material</b>	Metal epoxy-coated paint			
<b>Worktop Material</b>	Stainless steel SUS 304			
<b>Noise Level (Tested 20 cm from worktop, 1.2 m / 48" above ground)</b>	<52dB	<54dB	<56dB	<56dB
<b>Power Supply</b>	110 / 220 V, 50/60 Hz, Single phase			
<b>Illumination</b>	800 lux LED lighting			
<b>Filters</b>	HEPA Filter Efficiency of 99.9995% at 0.3 microns H14 (Optional ULTRA filter)			