Polypropylene Vertical PRO Laminar Clean Bench/PCR

TopAir provides high-quality, safe Vertical Laminar Clean Benches. TopAir's clean benches suck air from the room or hall space, transfer the air through a HEPA filter using a fan, and then clean the bench area with filtered air.
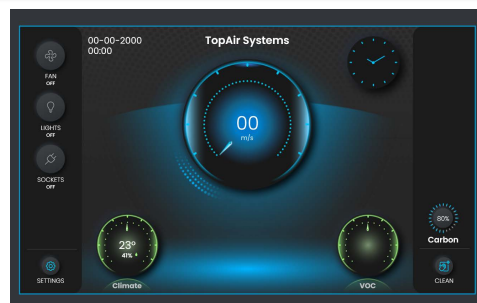
In vertical benches, the filtered air is channeled downwards through a filter installed at the top of the bench. All components are produced by leading global companies, such as AAF USA.

Advanced Operation System:
- 10.1" screen with air velocity display
- Automatic air velocity control
- Filter status
- Air flow alarm , temp and humidity disply

Red Light Alert: Whenever there is an air velocity failure, a red light inside the unit switches on and the system light automatically switches off. This enables convenient detection of failures from a distance , even by hearing-impaired people.

- Vertical air stream producing clean air in compliance with ISO5/ CLASS100 or ISO4/Class10 standards (depending on the filter installed
- Polypropylene structure with high chemical resistance
- Work surface made of 304 stainless steel
- Side windows and front sash made of 6mm tempered glass
- Microprocessor control with 10.1" full touch screen with air velocity display and alarm.
- Automatic configuration for air velocity
- High efficiency quiet EC fan
- UV light
- Universal electrical outlet
- Eco-friendly, cost-effective LED lighting
- **Compliance with Test Standard: US Federal Standard 209E / ISO 14644-1 / CE**

Clean benches are designed to supply a clean controlled work environment meeting Class 100/ISO5 cleanliness standard, resembling a clean room, with the additional advantages of portability and small dimensions.

Clean benches provide a high quality alternative to a clean room at a much lower cost and without massive construction. The clean bench complies with Test Standard **USA Federal Standard 209E / ISO 14644-1 / CE** and can be customized to customer requirements.

Models

Spec/Model	HC-V090PP-PRO	HC-V120PP-PRO	HC-V150PP-PRO	HC-V180PP-PRO
Outer Dimensions W x D x H	900 x 850 x 1320 mm 35.4 x 33.4 x 51.9"	1200 x 850 x 1320 mm 47.2 x 33.4 x 51.9"	1500 x 850 x 1320 mm 59 x 33.4 x 51.9"	1800 x 850 x 1320 mm 70.8 x 33.4 x 51.9"
WE CAN CUSTOMIZE TO ANY SIZE - EVEN A SINGLE UNIT! CONTACT US FOR DETAILS				
Workspace (W x D x H)	770 x 700 x 750 mm 30.3 x 27.5 x 29.5"	1070 x 700 x 750 mm 42.1 x 27.5 x 29.5"	1370 x 700 x 750 mm 53.9 x 27.5 x 29.5"	1670 x 700 x 750 mm 65.7 x 27.5 x 29.5"
Test Standard	USA Federal Standard 209E / ISO-14644-1, CE			
Air Velocity m/s	0.33 m/s, 60 FPM , with auto air velocity adjustment -VAV and air speed monitoring and alarm			
Cleanliness in Workstation	Class-100 (FS 209E) ISO 5, ISO-14644-1			
Hood Material	Welded 8 mm Polypropylene, stainless steel SS 304 Worktop, 6 mm tempered glass side windows, full sliding front sash , UV protected			
Included accesories	Metal stand with casters included, 2 x electric outlets , 2 x tap ports			
Noise (Tested 20 cm from the work table, 1.2m above ground)	<50dB	<50dB	<54dB	<54dB
Power Supply	110 / 220V, 50/60 Hz, Single phase, low energy DC-ECM fan , power consumption 250-300w			
Illumination	Energy efficient 800 LUX LED lighting, 254nm Germicidal UV light with safety interlock system			
Filter	HEPA Filter Efficiency of 99,9995% at 0.3 Microns H14 , Pre filter (Optional ULPA filter)			

Accessories

Spec/Model	HC-090	HC-120	HC-150	HC-180
IPMS- Particle monitoring	HC-IPMS	HC-IPMS	HC-IPMS	HC-IPMS
Separated "floating" table	HC-090-VB	HC-120-VB	HC-150-VB	HC-180-VB

** More accessories available

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