

# Polypropylene Vertical Laminar Clean Bench

TopAir provides high quality, secure 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 manufactured by leading global companies, such as EBM Germany and AAF USA.

The products comply with relevant international standards and are customized to the specifications of each client.

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.

- Vertical air stream producing clean air at ISO5/CLASS100 or ISO4/Class10 standards
- Polypropylene structure assures stability, preventing bench movements throughout sensitive operations.
- User-friendly digital control system manages fan speed and lighting system operation; when lighting is operating, an indicator displays the airflow and warns against filter blockage.
- Work surface made of 304 stainless steel which does not emit particles
- Side windows made of tempered glass, allowing an optimal view of work inside the station
- High quality, quiet fan from EBM Germany; the fan enclosure is padded with noise-absorbing material
- Noise level < 58 DBA
- Universal electrical outlet
- Innovative, advanced design
- Variety of sizes and materials
- Eco-friendly, cost-effective LED lighting

# Models

Spec/Model	HC-V90P	HC-V120P	HC-V150P	HC-V180P
Outer Dimensions	980 x 750 x 1110 mm	1280 x 750 x 1110 mm	1580 x 750 x 1110 mm	1880 x 750 x 1110 mm
W x D x H	38.6 x 29.5 x 43.7"	50.4 x 29.5 x 43.7"	62.2 x 29.5 x 43.7"	74 x 29.5 x 43.7"
Workspace	900 x 660 x 660 mm	1200 x 660 x 660 mm	1500 x 660 x 660 mm	1800 x 660 x 660 mm
(W x D x H)	35.4 x 26 x 26"	47.2 x 26 x 26"	59 x 26 x 26"	70.9 x 26 x 26"
Production / test Standard	USA Federal Standard 209E / ISO 1- 144641 / ISO-9001:2008			
Air Velocity m/s	Average 0.45±20% m/s 90±20% FPM			
Cleanliness in Workstation	ISO 5 / Class 100			
Cabinet Material	Polypropylene			
Work Table Material	Stainless steel SUS 304			
Noise	<58dB	<58dB	<60dB	<62dB
Test Location	(Tested 20 cm from the work table, 1.2m above ground)			
Power Supply Options	110 / 220V 50/60 Hz, Single phase			
Illumination	>800 LUX			
Filter	HEPA Filter Efficiency of 99,9995% at 0.3 Microns			

# Accessories

Spec/Model	HC-V90	HC-V120	HC-V160	HC-V180
Stand WxDxH	HC-V90-ST	HC-V120-ST	HC-V160-ST	HC-V180-ST
UV Light	HC-V90-UV	HC-V120-UV	HC-V160-UV	HC-V180-UV
Separate Table	HC-V90-VB	HC-V120-VB	HC-V160-VB	HC-V180-VB

**Web:** [www.topairsystems.com](http://www.topairsystems.com) **Email:** [sales@topairsystems.com](mailto:sales@topairsystems.com)

**Office - USA:** 3182 Monterey Dr., Merrick, NY 11566, USA

**Tel :** +1-718-841-8886 **Email:** [sales@topairsystems.com](mailto:sales@topairsystems.com)

**Office - UK:** Evolution Testing & Analytical services (UK) Ltd,  
Elstree House, Elstree Way, Borehamwood, Herts WD6 1SD, UK

**Tel:**+44-203-1374012 **Email:** [sales@topairsystems.com](mailto:sales@topairsystems.com)

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