

# Metal Horizontal Laminar Clean Bench

TopAir provides high quality, secure Horizontal 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 Horizontal Benches, the filtered air flows through a filter installed at the back of the bench, toward the staff.

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.

- Horizontal air stream producing clean air in compliance with ISO5/ CLASS100 or ISO4/Class10 standards (depending on the filter installed).
- Massive epoxy coated, oven-tempered metal structure assures stability, preventing movement during sensitive operations.
- User-friendly digital control system manages fan speed and lighting system; during lighting system operation, an indicator displays the airflow and warns against filter blockage
- Work surface made of 304 stainless steel that does not emit particles
- Side windows made from tempered glass, allowing an optimal view of work inside the station
- High quality, quiet fan by 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-H90	HC-H120	HC-H160	HC-H180
<b>Outer Dimensions</b>	980 x 750 x 1100 mm	1280 x 750 x 1110 mm	1680 x 750 x 1110 mm	1880 x 750 x 1110 mm
<b>W x D x H</b>	38.6 x 31.5 x 53.54"	50.4" x 31.5 x 53.54"	66.1 x 31.5 x 53.54"	74 x 31.5 x 53.4"
<b>Workspace</b>	900 x 660 x 660 mm	1200 x 660 x 660 mm	1600 x 660 x 660 mm	1800 x 660 x 660 mm
<b>(W x D x H)</b>	35.4 x 23.6 x 23.6"	47.2 x 23.6 x 23.6"	63 x 23.6 x 23.6"	70.9 x 23.6 x 23.6"
<b>Production / Test Standard</b>	USA Federal Standard 209E / ISO 1- 144641 / ISO-9001:2008			
<b>Air Velocity m/s</b>	Average 0.45±20% m/s 90±20% FPM			
<b>Cleanliness within Workstation</b>	Class-100 (FS 209E ) ISO 5, 14644-1			
<b>Cabinet Material</b>	High grade cold rolled steel and surface is static powder coated			
<b>Work Table Material</b>	Stainless steel SUS 304			
<b>Noise</b>	<58dB	<58dB	<60dB	<62dB
	(Tested 20 cm from the work table, 1.2m above ground)			
<b>Power Supply Options</b>	110 / 220V 50/60 Hz, Single phase			
<b>Illumination</b>	>800 LUX/ 1700 LUX, Cost-effective Eco friendly LEDs			
<b>Filter</b>	HEPA Filter Efficiency of 99,9995% at 0.3 Microns			

# Accessories

Spec/Model	HC-H90	HC-H120	HC-H160	HC-H180-ST
Stand	HV-V90-ST	HV-V120-ST	HV-V160-ST	HV-V180-ST
WxDxH				
UV light	HV-V90-UV	HV-V120-UV	HV-V160-UV	HV-V180-UV
Separate Table	HV- V90-VB	HV-V120-VB	HV-V160-VB	HV-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)**

**Copyright © 2014 TopAir Systems. All Rights Reserved.**