

# Metal Horizontal Laminar Clean Bench



TopAir provides high quality, safe 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.

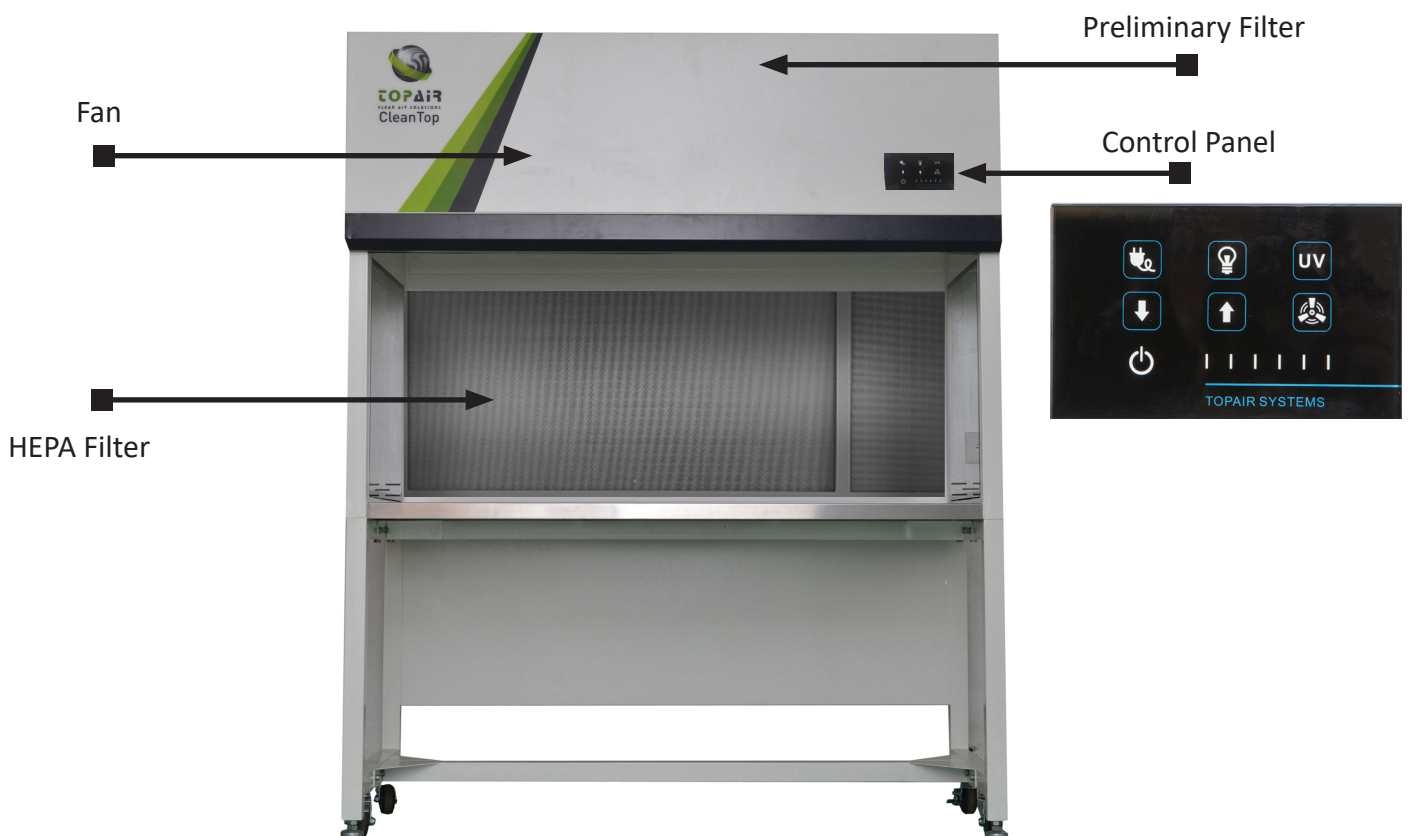
All components are produced by leading global companies, such as AAF USA.

The Clean Bench complies with production/test standard **USA Federal Standard 209E / ISO 1- 144641** and can be 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
- Work surface made of 304 stainless steel
- Side windows made of tempered glass
- High quality, quiet fan
- Noise level < 58 DBA
- Universal electrical outlet
- Innovative, advanced design
- Variety of sizes and materials; optional stand
- Eco-friendly, cost-effective LED lighting
- Compliance with production/test standard: US Federal Standard 209E / ISO-14644-1



# Models

**CUSTOM SIZES AVAILABLE!**

Spec/Model	HC-H090	HC-H120	HC-H160	HC-H180
<b>Outer Dimensions</b>	1030 x 930 x 1110 mm	1330 x 930 x 1110 mm	1630 x 930 x 1110 mm	1930 x 930 x 1110 mm
<b>W x D x H</b>	40.5 x 36.6 x 43.7"	52.3" x 36.6 x 43.7"	64 x 36.6 x 43.7"	76 x 36.6 x 43.7"
<b>Workspace</b>	900 x 660 x 640 mm	1200 x 660 x 640 mm	1500 x 660 x 640 mm	1800 x 660 x 640 mm
<b>(W x D x H)</b>	35.4 x 26 x 25"	47.2 x 26 x 25"	59 x 26 x 25"	70.9 x 26 x 25"
<b>Production / Test Standard</b>	USA Federal Standard 209E / ISO-14644-1, CE			
<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, ISO-14644-1			
<b>Hood 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</b>	110 / 220V, 50/60 Hz, Single phase			
<b>Illumination</b>	800 LUX LED lighting			
<b>Filter</b>	HEPA Filter Efficiency of 99,9995% at 0.3 Microns H14 (Optional ULPA filter)			

## Accessories

Spec/Model	HC-090	HC-120	HC-150	HC-180
Stand	HC-090-ST	HC-120-ST	HC-150-ST	HC-180-ST
Combined UV light and front sash	HC-090-UV-FS	HC-120-UV-FS	HC-150-UV-FS	HC-180-UV-FS
Separated "floating" table	HC-090-VB	HC-120-VB	HC-150-VB	HC-180-VB

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