

Metal Vertical Laminar Clean Bench



TopAir provides high quality, safe Vertical Laminar Clean Benches. The 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.

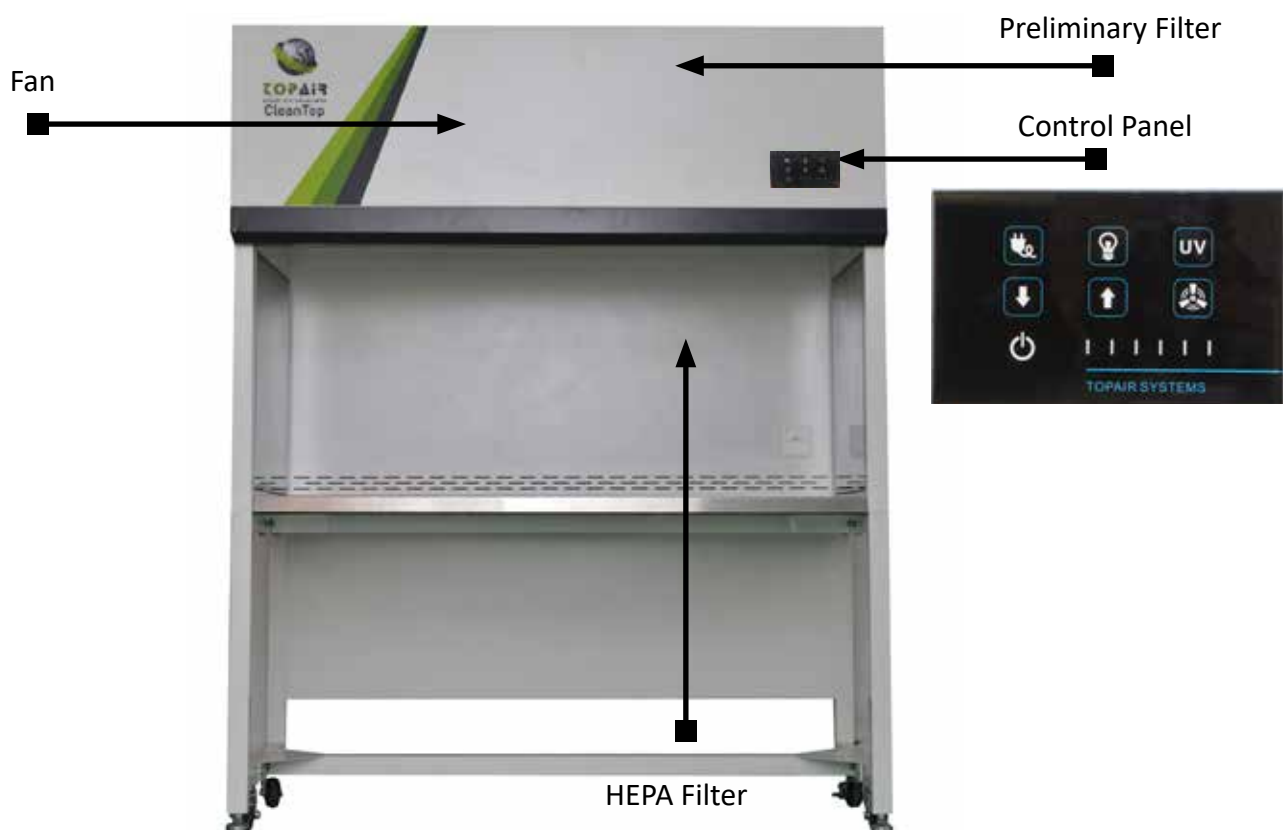
All components are produced by leading global companies such as AAF USA.

The clean bench complies with production/test standard **USA Federal Standard 209E / ISO 14644-1** and is 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
- Massive epoxy-coated and oven tempered metal structure assures stability, preventing bench movements throughout 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-V090	HC-V120	HC-V150	HC-V180
Outer Dimensions	1000 x 760 x 1250 mm	1300 x 760 x 1250 mm	1600 x 760 x 1250 mm	1900 x 760 x 1250 mm
W x D x H	39.3 x 30 x 49.2"	51.1 x 30 x 49.2"	63 x 30 x 49.2"	74.8 x 30 x 49.2"
Workspace	900 x 660 x 750 mm	1200 x 660 x 750 mm	1500 x 660 x 750 mm	1800 x 660 x 750 mm
(W x D x H)	35.4 x 26 x 29.5"	47.2 x 26 x 29.5"	59 x 26 x 29.5"	70.8 x 26 x 29.5"
Production / test Standard	USA Federal Standard 209E / ISO-14644-1, CE			
Air Velocity m/s	0.3 m/s, 60 FPM			
Cleanliness in Workstation	Class-100 (FS 209E) ISO 5, ISO-14644-1			
Hood Material	High grade cold rolled steel and surface is static powder coated			
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	110 / 220V, 50/60 Hz, Single phase			
Illumination	800 LUX LED lighting			
Filter	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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