Polypropylene 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.
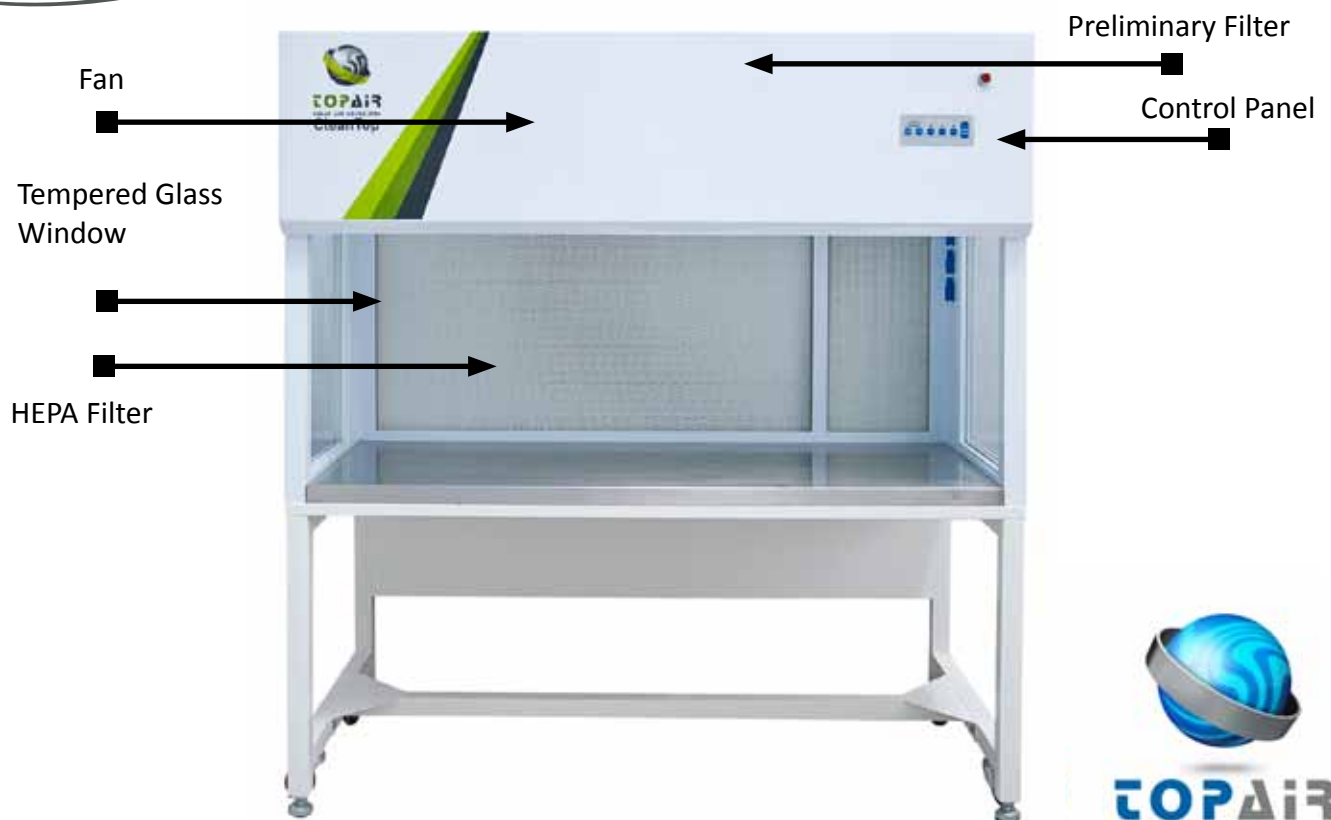
All components are manufactured by leading global companies, such as EBM Germany and AAF USA.

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).
- Polypropylene 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

Fan

Preliminary Filter

Control Panel

Tempered Glass Window

HEPA Filter

TOPAIR
CLEAN AIR SOLUTIONS

Models

Spec/Model	HC-H90P	HC-H120P	HC-H160P	HC-H180P
Outer Dimensions W x D x H	980 x 750 x 1100 mm 38.6 x 31.5 x 53.54"	1280 x 750 x 1110 mm 50.4" x 31.5 x 53.54"	1680 x 750 x 1110 mm 66.1 x 31.5 x 53.54"	1880 x750 x 1110 mm 74 x 31.5 x 53.4"
Workspace (W x D x H)	900 x 660 x 660 mm 35.4 x 23.6 x 23.6"	1200 x 660 x 660 mm 47.2 x 23.6 x 23.6"	1600 x 660 x 660 mm 63 x 23.6 x 23.6"	1800 x 660 x 660 mm 70.9 x 23.6 x 23.6"
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 within Work-station	Class-100 (FS 209E) ISO 5, 14644-1			
Cabinet Material	Polypropylene			
Work Table Matrial	Stainless steel SUS 304			
Noise	<58dB	<58dB	<60dB	<62dB
	(Tested 20 cm from the work table, 1.2m above ground)			
Power Supply Options	110 / 220V 50/60 Hz, Single phase			
Illumination	>800 LUX/ 1700 LUX, Cost-effective Eco friendly LEDs			
Filter	HEPA Filter Efficiency of 99,9995% at 0.3 Microns			

Accessories

Spec/Model	HC-H90	HC-H120	HC-H160	HC-H180-ST
Stand WxDxH	HV-V90-ST	HV-V120-ST	HV-V160-ST	HV-V180-ST
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