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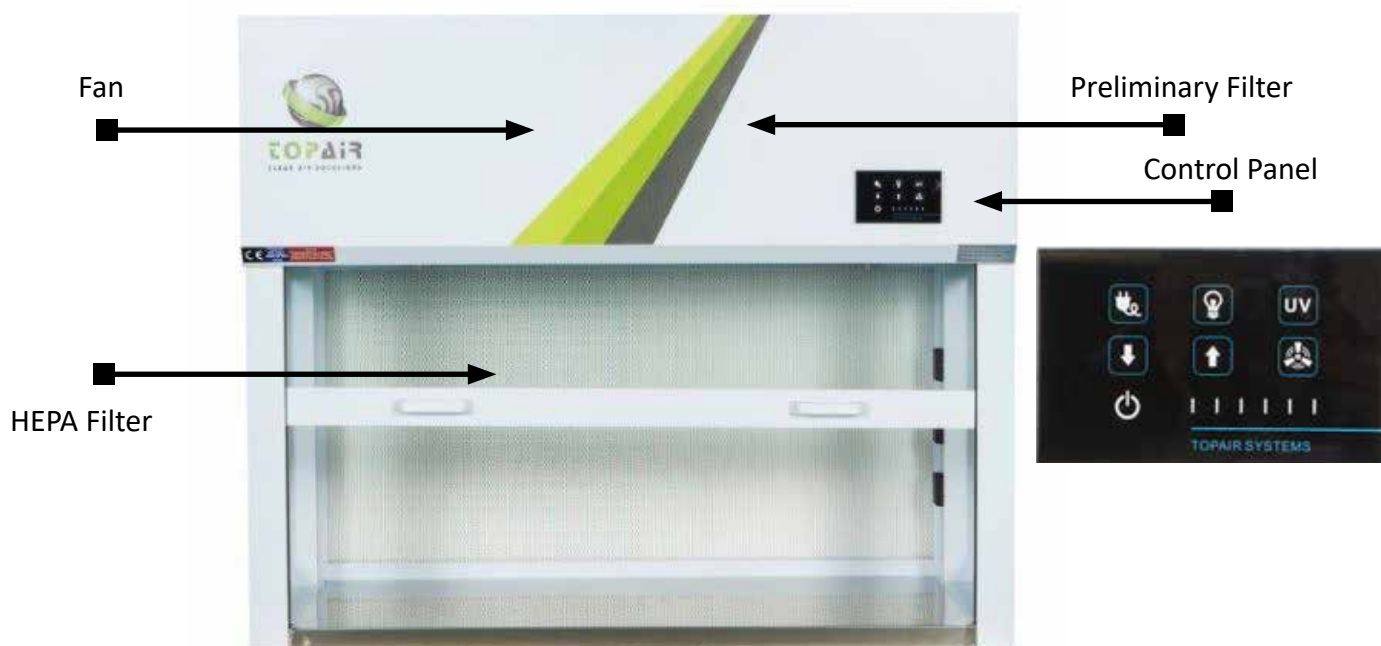
All components are manufactured by leading global companies, such as AAF USA.

The clean bench complies with **production/test standard USA Federal Standard 209E / ISO 14644-1** and can be customized to customer requirements.

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 with high chemical resistance
- 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

Fan

Preliminary Filter

Control Panel

HEPA Filter

Models

CUSTOM SIZES AVAILABLE!

Spec/Model	HC-H090P	HC-H120P	HC-H160P	HC-H180P
Outer Dimensions **W x D x H**	1030 x 930 x 1110 mm 40.5 x 36.6 x 43.7"	1330 x 930 x 1110 mm 52.3" x 36.6 x 43.7"	1630 x 930 x 1110 mm 64 x 36.6 x 43.7"	1930 x930 x 1110 mm 76 x 36.6 x 43.7"
Workspace **(W x D x H)**	900 x 660 x 640 mm 35.4 x 26 x 25"	1200 x 660 x 640 mm 47.2 x 26 x 25"	1500 x 660 x 640 mm 59 x 26 x 25"	1800 x 660 x 640 mm 70.9 x 26 x 25"
Production / Test Standard	USA Federal Standard 209E / ISO-14644-1, CE			
Air Velocity m/s	0.3 m/s, 60 FPM			
Cleanliness within Work-station	Class-100 (FS 209E) ISO 5, ISO-14644-1			
Hood Material	Polypropylene			
Work Table Material	Stainless steel SUS 304			
Noise	<58dB	<58dB	<60dB	<62dB
	(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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