



Vertical laminar flow cabinet (clean bench)

Description

A clean bench is a laminar flow cabinet or similar enclosure that provides filtered air across the work surface to protect against contamination. The clean bench was originally crated to supplement clean room technology and it is used across a broad spectrum of industries including research, manufacturing, aerospace, bioscience, pharmaceutical production and food processing. Many medical preparations take place on a clean bench, which explains why you often see them hospitals, clinics, laboratories and medical facilities worldwide.

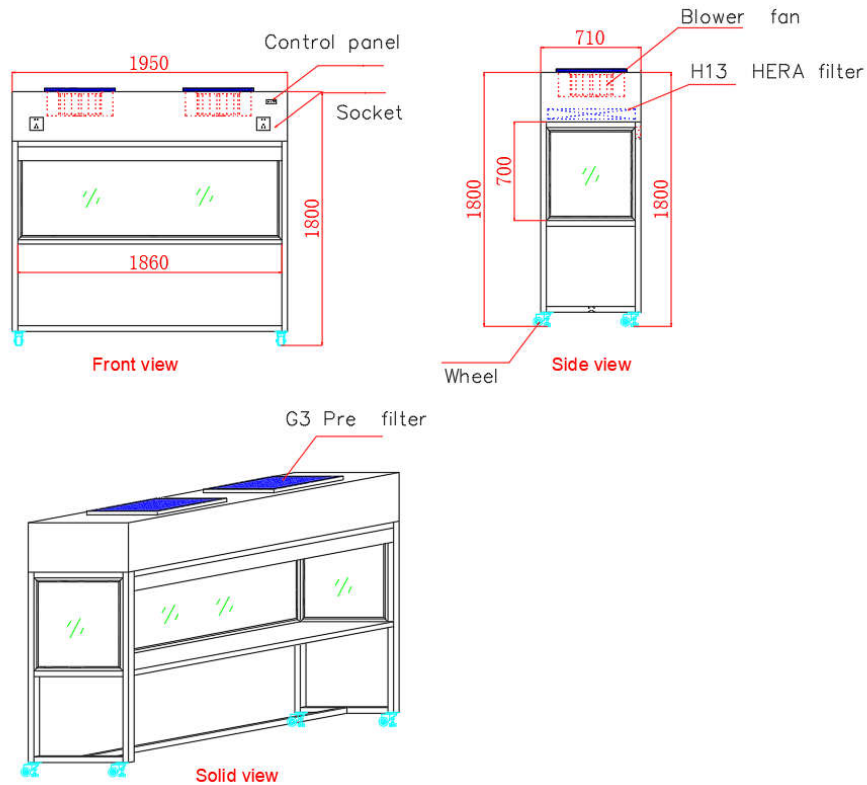
Laminar flow cabinets are designed to maximized performance and efficiency. Vertical laminar flow cabinets are manufactured with rear wall perforations to reduce turbulence by removing a small amount of air at the rear of the cabinet. The airflow of the horizontal laminar flow cabinet doesn't not directly impinge upon the work surface or encounter turbulence but rather is smoothly drawn across it. Laminar flow cabinets maintain a 0.3-0.45m/s airflow velocity through HEPA filters (ULPA filters), which is in compliance with international standards for safety and performance.

Optional accessory:

1. HEPA filter ULPA filter
2. Stainless steel worktop/ Static-free work top
3. Material for main body: cold rolled steel plated with powder coated or stainless steel.
4. Blower fan brand: China brand or EBM
5. Pressure gauge
6. UV light
7. Iron Bar
8. Controller: IC display, can adjust the air velocity



Drawing:



Size and Specifications:

Model	ZS-CL-1040	ZS-CL-1340	ZS-CL-1640	ZS-CL-1950
External size (W x D x H)mm	1040x710x1800	1340x710x1800	1640x710x1800	1950x710x1800
Workable size (W x D x H)mm	960 x 615 x 700	1260 x 615 x 700	1560 x 615 x 700	1870 x 615 x 700
Suitable people	1 person	1-2 people	2-3 people	3 people
HEPA filter (99.99% at 0.3um)	915 x 610 x 69	1220 x 610 x 69	760x610x69	915 x 610 x 69
QTY of HEPA filter	1	1	2	2
Noise	58dB	58dB	58dB	58dB
Power	125W	125W	160W	125W x 2
Spec and Qty for Lamp	20W	30W	20W x 2	30W x 2
Material of worktop	SS304			
Produce/Inspection standard	Class 100 (US Federal standard 209E)			
Wind speed	0.45m/s±20%			
Powder	AC220V/50Hz/1Ph; AC110V/60Hz/1Ph			



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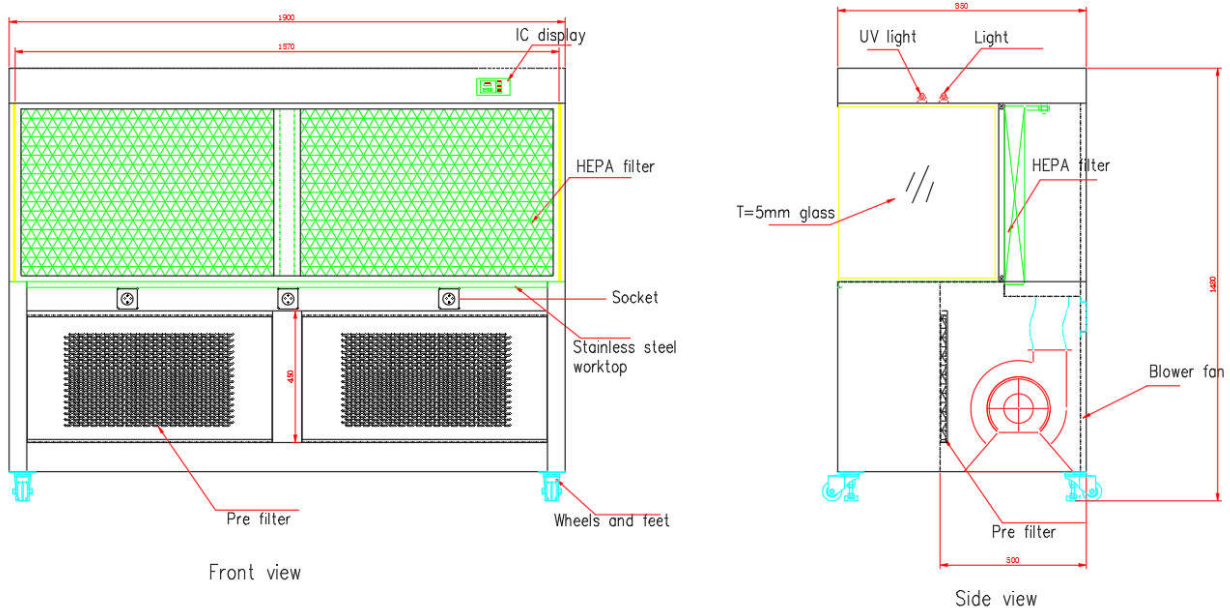


Horizontal flow clean bench ideally suited to many types of mechanical or processing work. It is designed to provide an ISO Class 5 (Class 100) clean air environment suitable for laboratory work, testing, manufacturing, inspection and/or pharmaceutical operations. The clean HEPA-filtered air flows outward from the cabinet. This horizontal laminar flow air washes out particulates and prevents contamination from entering the clean work zone. The cabinet features “clean edge” construction that puts the hood and table top in shear with the media edge of the HEPA filter.

Optional accessory:

1. HEPA filter ULPA filter
2. Stainless steel worktop/ Static-free work top
3. Material for main body: cold rolled steel plated with powder coated or stainless steel.
4. Blower fan brand: China brand or EBM
5. Pressure gauge
6. UV light
7. Iron Bar
8. Controller: IC display, cannot adjust the air velocity

Drawing:





Size and Specifications:

Model	ZS-SP-900	ZS-SP-1300	ZS-SP-1600	ZS-SP-1900
External size (W x D x H)mm	900x850x1480	1300x850x1480	1600x850x1480	1900x850x1480
Workable size (W x D x H)mm	820x550x610	1220x550x610	1520x550x610	1820x550x610
Suitable people	1 person	1-2 people	2-3 people	3-4 people
HEPA filter (99.99% at 0.3um)	820 x 610 x 69mm	1220 x 610 x 69mm	760x610x69mm	915 x 610 x 69
QTY of HEPA filter	1	1	2	2
Noise	63dB	63dB	63dB	63dB
Power	125W	125W	160W	125W x 2
Spec and Qty for lamp	20W	30W	20W x 2	30W x 2
Material of Bench top	SS304			
Produce/Inspection standard	Class 100 (US Federal standard 209E)			
Wind speed	0.45m/s±20%			
Power	AC380V/50HZ/3Ph; AC220V/50Hz/1Ph; AC110V/60Hz/1Ph			

Remarks: Customized sizes can be accepted