



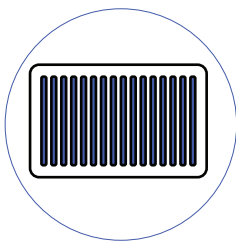
Clean Bench With Horizontal Laminar Flow HUYAir HLF Elite

- ✓ Complies with IEST, ISO 14644-3:2019 standards
- ✓ LCD control
- ✓ DC motor

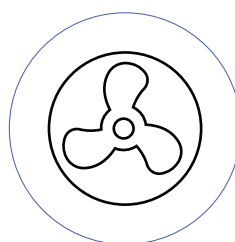
PURPOSE

HUYAir HLF | Clean Bench With Horizontal Laminar Flow is ideal for use with non-hazardous contaminants and provides easy access to equipment within the working area. The unique features of this laminar flow cabinet create a clean working environment suitable for various applications. The cabinet has double glass walls, allowing easy observation and access from both sides.

TECHNOLOGY



Camfil filters - Sweden
or AAF filters - USA

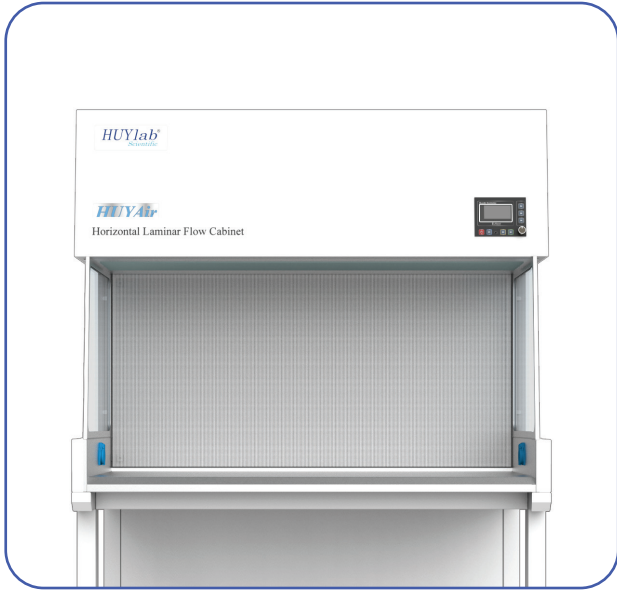


DC Centrifugal Fan
EBMpapst - Germany



LCD control

- HUYAir HLF uses a control system with the "HUYAir Comprehensive" processor, displaying the full performance of the hood on the LCD screen.
- Airflow Monitoring: The cabinet is equipped with sensors to directly monitor airflow rates and includes a low airspeed alert feature.
- Display alerts when the filter reaches the end of its usable life..
- EBMpapst DC Centrifugal Fan: The cabinet uses a powerful and energy-efficient DC centrifugal fan from EBMpapst in Germany, designed to minimize noise while ensuring efficient air circulation.
- Camfil or AAF Filters: It utilizes Camfil filters from Sweden or AAF filters from the United States, providing high-efficiency H14 filtration, capturing 99.999% of particles at 0.3 micrometers.



DESIGN

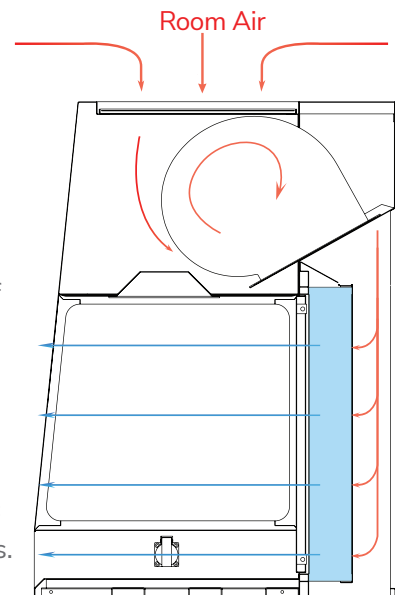
- The cabinet is designed with double toughened glass walls on both sides, allowing easy observation of the actions of the operator and the samples.
- The cabinet is set up, operated, and maintained with simplicity.

MATERIAL

- The outer shell is made of 1.2mm thick galvanized steel with chemical-resistant electrostatic coating.
- The inner chamber is made of 0.8mm thick stainless steel (SUS 304).

AIR FLOW SYSTEMS

- Air is drawn in from the top and pushed through the main filter, where larger particles are retained, increasing the lifespan of the main filter.
- The air is then blown through the main filter, creating a flow of clean air horizontally that exits the work area across the entire open front of the cabinet after being deflected away from the work surface.
- The surface velocity of the filter is maintained at 0.45 m/s (90 FPM), ensuring sufficient air changes to maintain clean air in the working area.
- The maintenance of an airspeed of 0.45 m/s with a uniformity of $\pm 20\%$ over the entire filter surface is in line with international standards.



SPECIFICATIONS

Model	HUYAir HLF-900 Elite	HUYAir HLF-1200 Elite	HUYAir HLF-1500 Elite	HUYAir HLF-1800 Elite
External dimensions (LxWxH)	R985 x S750 x C1750 mm	R1285 x S750 x C1750 mm	R1585 x S750 x C1750 mm	R1885 x S750 x C1750 mm
Internal dimensions (LxWxH)	R885 x S522 x C583 mm	R1185 x S522 x C583 mm	R1485 x S522 x C583 mm	R1785 x S522 x C583 mm
Air flow velocity	0,45 m/s			
Lighting intensity	>750 lux			
Noise level	<65 dB			
Input voltaget	220 V/50 Hz			