



Horizontal Laminar Flow Cabinet With High Chamber

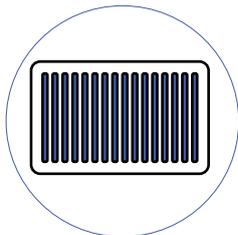
HUYAir HLF High Elite

- ✓ Complies with IEST, ISO 14644-3:2019 standards
- ✓ High Chamber
- ✓ Touchscreens
- ✓ DC motor

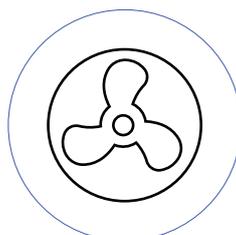
PURPOSE

HUYAir HLF High Elite | Horizontal Laminar Flow Cabinet With High Chamber is an ideal horizontal laminar flow cabinet with a high chamber designed for applications involving non-hazardous pollutants and easy access to equipment within the working area. This cabinet provides a clean working environment suitable for a wide range of applications. It features two glass walls that facilitate easy observation of samples and operations from both sides. The high chamber is well-suited for accommodating various types of equipment.

TECHNOLOGY



Camfil filters - Sweden
or AAF filters - USA



DC Centrifugal Fan
EBMpapst - Germany



Touchscreens

✓ Horizontal Laminar Flow Cabinet With High Chamber – HUYAir HLF High Elite is designed to handle non-hazardous substances, creating a clean working environment and easy handling of equipment in the work area.

✓ Cabinet structure: 2 layers, with SUS 304 stainless steel working chamber, galvanized steel outer shell, electrostatic paint resistant to chemicals and microorganisms..

✓ The high chamber is suitable for various types of equipment.

✓ The side walls are made of UV-resistant tempered glass, allowing easy observation.

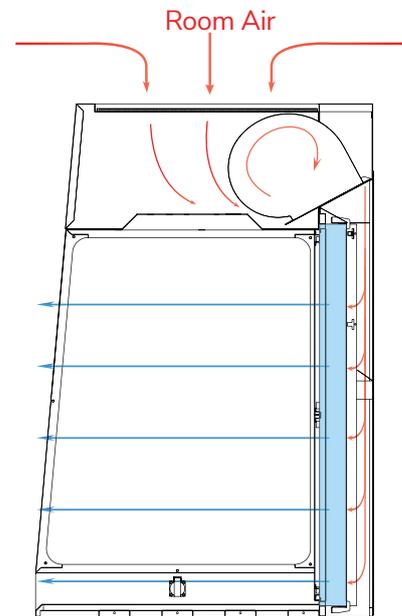
- ✓ DC motor and EBMpapst fan from Germany ensures energy savings.
- ✓ Work zone: ISO class 5
- ✓ HEPA (H14) or ULPA (U15) filters from Camfil (Sweden) or AAF (USA) with 99.999% (H14) or 99.9999% (U15) filtration at 0.3 µm/0.1 µm.
- ✓ The cabinet is controlled by a microprocessor controller with a touch screen displaying real wind speed, time settings, wind speed according to settings, and can be calibrated directly on the screen about fan speed.
- ✓ The cabinet angle is 7° for easy operation
- ✓ There are access ports for accessories such as valve of air, water, gas, and head for online particle counting samplers.

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.



SPECIFICATIONS

Model	HUYAir HLF-1500 High Elite	HUYAir HLF-1800 High Elite
External Dimensions (W × D × H, mm)	W1520 × D1073 × H1640 mm	W1720 × D1400 × H1640 mm
Internal Dimensions (W × D × H, mm)	W1400 × D789 × H1200 mm	W1400 × D1200 × H1200 mm
External Dimensions (Including Stand) (W × D × H, mm)	W1520 × D1073 × H2340 mm	W1720 × D1073 × H2340 mm
Airflow Velocity	0.45 m/s	
Light Intensity	>750 lux	
Noise Level	<65 dB	
Power Supply	220 V / 50 Hz	