



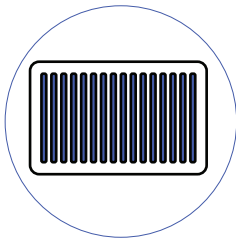
HORIZONTAL LAMINAR FLOW CABINET WITH PREVENT HUYAir HLFP

- ✓ Complies with IEST, ISO 14644-3:2019 standards
- ✓ LCD control
- ✓ AC motor
- ✓ Warranty: 3 years

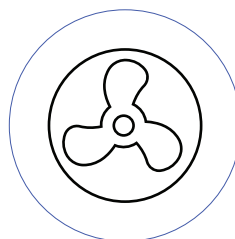
PURPOSE

HUYAir HLFP | HORIZONTAL LAMINAR FLOW CABINET WITH PREVENT Ideal for use with non-hazardous contaminants and easy access to equipment in the working area as desired. A characteristic of the clean cabinet line creates a clean working environment in a wide range of applications, with an LCD digital control system.

TECHNOLOGY



Camfil filters - Sweden
or AAF filters - USA



AC Centrifugal Fan
EBMpapst - Germany



LCD control

- HUYAir HLFP 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.
- Warning indicator displays when the filter has reached the end of its useful life.
- EBMpapst AC Centrifugal Fan: The cabinet uses a powerful and energy-efficient AC 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

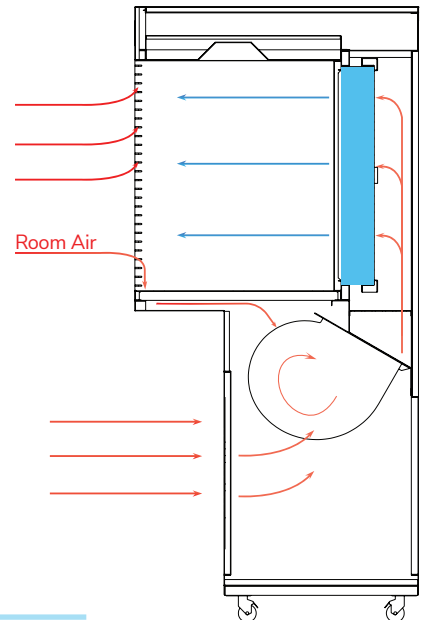
- The cabinet is designed with 2 partition walls and internal pressure to completely prevent and isolate toxic air.
- The cabinet is equipped with 4 wheels, each with a wheel lock, ensuring easy operation and mobility.
- Setting up, operating, and maintaining the filters in the cabinet is straightforward.

MATERIAL

- The outer shell is made of 1.2 mm thick galvanized steel, electrostatically painted to resist chemicals and UV.
- The inner chamber material is made of 0.8mm thick stainless steel SUS 304.

AIR FLOW SYSTEMS

- Air is drawn in from the bottom and directed to the rear of the cabinet through the pre-filter (where large particles are captured, increasing the main filter's lifespan).
- The air is then blown through the main filter, creating a horizontal laminar flow of clean air that is exhausted across the entire open front of the cabinet, diverting away from the work surface.
- The filter face velocity is maintained at 0.45 m/s (90 FPM), ensuring an adequate air change rate to maintain a clean work area.
- The uniformity of the filter face velocity is maintained within $\pm 20\%$ across the entire filter face, a speed that complies with international standards.



SPECIFICATIONS

Model	HUYAir HLPF-900	HUYAir HLPF-1200	HUYAir HLPF-1500	HUYAir HLPF-1800
External dimensions (LxWxH)	L1015 x W795 x H1650 mm	L1315 x W795 x H1650 mm	L1615 x W795 x H1650 mm	L1915 x W795 x H1650 mm
Internal dimensions (LxWxH)	L900 x W560 x H650 mm	L1200 x W560 x H650 mm	L1500 x W560 x H650 mm	L1800 x W560 x H650 mm
Air flow velocity	0,45 m/s			
Lighting intensity	>750 lux			
Noise level	<65 dB			
Input voltage	220 V/50 Hz			