



Airone Horizontal Laminar Flow Cabinet

The Airone Horizontal Laminar Flow cabinet provides clean conditions to ISO Class 4 (FED Class 10) and compliance to BSEN 14644. The cabinet provides a clean ULPA filtered parallel flow of air, through filters situated at the back the cabinet, across the working area.

Operation

Air is initially drawn through a high-quality EV4 pre-filter to remove all large particulates.

All air then passes through the fan system before being forced through a U15 ULPA filter to remove 99.9998% of all particulates > 0.12µm in size.

Filtered air will then flow horizontally towards the operator at a velocity of 0.35-0.55m/s to ensure no air from the room can flow back into the working area.

This guarantees an ISO Class 4 (FED Class 10) particle-free working environment and can ensure the best product protection.



Benefits

- 4.3" Full Colour Touchscreen Interface
- ULPA Filter Technology
- Constant Airflow Speed
- Low Airflow Alarm
- Integral Lighting
- Clear Glazed Side Panels
- Integral Pre-Filter
- No Ducting or Building Costs
- Easy Maintenance
- Cable Ports on Both Sides

Environmentally Friendly

The Airone HLF also has fantastic 'green' credentials. With normal operation starting at just 65 watts of power, the cabinet uses a fraction of the power consumption of rival models. In addition, the unit has some of the most attractive sound levels available—measuring at just 54db (A) for the largest unit.

Overhead high intensity LED lighting is provided as standard (> 1000LUX) to ensure even illumination of the working area. The Airone HLF range of cabinets are fitted with the latest digital high-performance fans to ensure low noise operation and low energy consumption.

Technical Specification

Construction

Zintec Mild Steel Frame - Epoxy-coated to prevent against corrosion
Solid 316—Grade Stainless Steel Worktop with Rolled Edge for comfort
Polycarbonate Side Glazing

Touchscreen Control Panel

Air Velocity Display

Control For:

- UV Light (optional)
- Electrical Socket (optional)
- Cabinet Power
- Light Variable Intensity

Additional Features:

- Airflow Monitoring
- Auto Airflow Compensation
- Audio & Visual Alarms
- Run-time Indicators
- Pin Code Access (For Maintenance & Supervisors)

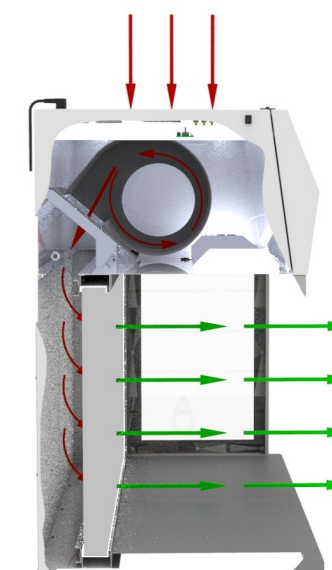
Optional Extras

Base Stand

Double Electrical Socket

UV Light & Night Door

Specifications	HLF1000	HLF1200	HLF1500	HLF1800
External Dimensions (W x D x H)	1000mm x 721mm x 1166mm	1200mm x 721mm x 1166mm	1500mm x 721mm x 1166mm	1800mm x 721mm x 1166mm
Working Area (W x D x H)	984mm x 540mm x 715mm	1184mm x 540mm x 715mm	1484mm x 540mm x 715mm	1784mm x 540mm x 715mm
Air Cleanliness	> ISO Class 4 (FED Class 10)			
Noise Level	Circa. 50db (A)	Circa. 52db (A)	Circa. 54db (A)	
Airflow	950m ³ /hr	1175m ³ /hr	1325m ³ /hr	1600m ³ /hr
Airflow Speed	> 0.4m/s			
Power	65 watts	70 watts	80 watts	90 watts
Weight	100kg	115kg	140kg	170kg



Airflow Diagram