



Airone Vertical Laminar Flow Cabinet

The Airone Vertical 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 top of the cabinet, down onto 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 vertically down to the work surface where the air will spread towards the front exit of the cabinet.

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 VLF 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 VLF 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 (optional)
- Polycarbonate Side Glazing
- Hinged Front Glass Panel

Touchscreen Control Panel

Air Velocity Display

Control For:

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

Additional Features:

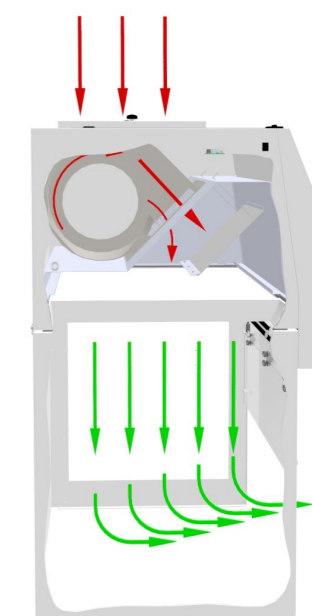
- Airflow Monitoring
- Auto Airflow Compensation
- Audio & Visual Alarms
- Run-time Indicators
- Pin Code Access (For Maintenance & Supervisors)

Optional Extras

- Base Stand
- Double Electrical Socket

- Stainless Steel Work Surface
- UV Light & Night Door

Specifications	VLF1000	VLF1200	VLF1500	VLF1800
External Dimensions (W x D x H)	1000mm x 650mm x 1255mm	1200mm x 650mm x 1255mm	1500mm x 650mm x 1255mm	1800mm x 650mm x 1255mm
Working Area (W x D x H)	984mm x 648mm x 735mm*	1184mm x 648mm x 735mm*	1484mm x 648mm x 735mm*	1784mm x 648mm x 735mm*
Air Cleanliness	> ISO Class 4 (FED Class 10)			
Noise Level	Circa. 51db (A)	Circa. 52db (A)	Circa. 54db (A)	
Airflow	850m ³ /hr	1050m ³ /hr	1325m ³ /hr	1600m ³ /hr
Airflow Speed	> 0.4m/s			
Power	65 watts	70 watts	80 watts	90 watts
Weight	100kg	120kg	150kg	175kg



Airflow Diagram

* Internal area reduced by 30mm when work top fitted