Airone Class II
Microbiological Safety Cabinet

www.safelab.co.uk

MADE IN BRITAIN®

Document: L64 Issue No: 02 Issue Date 27.05.2026

Airone Class II Microbiological Safety Cabinet

Key Features

- Type tested and approved to BS EN 12469:2000
- Up-to-date microprocessor control techniques
- Ducted or recirculating
- 4.3" full-colour touchscreen interface
- Electric front-sliding sash with auto trap detection
- Clear glass side panels with cable holes
- Constant airflow speed
- Low airflow alarm
- UV lighting
- Double electrical sockets

The **Airone Class II Safety Cabinet** is designed for use in microbiology and biotechnology, with the most up-to-date microprocessor control techniques setting new standards for operator, environmental, and product protection.

The Airone Class II Safety Cabinet has been independently type tested and approved to BSEN 12469:2000 by the UK's leading authority on Biological Safety Cabinets, the Health Protection Agency at Porton Down.

Air is drawn in through the front aperture, providing operator protection. The inflow air mixes with the downflow air as it enters the front intake grille and passes through the plenum where the air is split into exhaust systems. 70% of the air is recycled and pushed back into the Work Area through the downflow HEPA filter. The remaining 30% is exhausted through the exhaust air HEPA filter back into the laboratory environment.

The Airone Class II Safety Cabinet also has fantastic 'green' credentials. With normal operation starting at just 100 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.

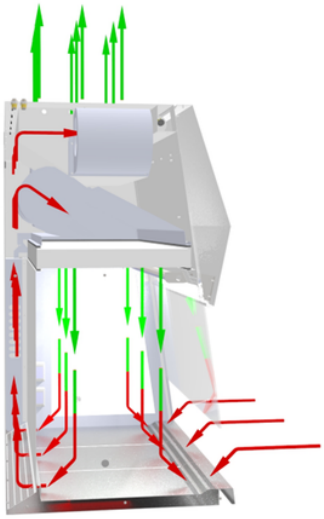
Overhead high-intensity LED lighting is provided as standard (> 1000LUX) to ensure even illumination of the working area. The Airone Class II range of cabinets are fitted with the latest digital high-performance fans to ensure low noise operation and low energy consumption. Energy efficiency is improved further with the use of PIR movement sensors to shut off all non-essential electronic items when the cabinet senses a period of inactivity.

Technical Information

Technical Data

	CLII-800	CLII-1200	CLII-1800
External (W x D x H)	800 x 750 x 1350mm*	1200 x 750 x 1350mm*	1800 x 750 x 1350mm*
Working Area (W x D x H)	707 x 500 x 690mm	1107 x 500 x 690mm	1707 x 500 x 690mm
Air Cleanliness	> ISO Class 4 (FED Class 10)		
Primary Exhaust & Downflow Filters	H14 HEPA Filter - 99.97% efficient at 0.3µm		
Secondary Exhaust Filter	H14 HEPA Filter - 99.97% efficient at 0.3µm (optional)		
Power	100 watts	150 watts	140 watts
Weight	135kg	170kg	215kg

*Add 62mm to height if second exhaust filter is fitted.
Add 222mm to height if anti-blowback valve is fitted.



Airflow Diagram

Construction

Zintec mild steel frame — Epoxy-coated to prevent against corrosion

Removable sectional solid 316-grade stainless steel worktop

Safety glass side panels

Touchscreen Control Panel

Inflow & downflow air velocity display

Sash movement

Control for:

- UV light
- Electrical socket
- Cabinet power
- Light variable intensity
- Electric sash operation

Additional features:

- Auto eco mode (5-60 mins or disabled)
- Airflow monitoring
- Auto airflow compensation
- Audio and visual alarms
- Run-time indicators
- Pin code access (for maintenance and supervisors)

Optional Extras

- Base stand
- Second HEPA exhaust filter
- Anti-blowback valve
- Gas valve
- Vacuum valve
- Carbon exhaust filter box
- CI-200 carbon exhaust filter (for fumigation)
- Uninterrupted power supply (UPS)

Service & Maintenance

Precision Maintenance for Peak Lab Performance

It is a **legal requirement** that **Class I and Class II** safety cabinets undergo a **thorough examination and test at least every 12 months**.

Trusted Expertise

Our service engineers are highly trained and accredited, including **COSHH LEV P601 qualification**, ensuring compliance with legislation and peace of mind for our clients. All staff are **DBS-checked** and operate to strict safety standards. We test and maintain to the latest regulations and guidance:

- **BS EN 12469:2000**

Safelab is also accredited by **Reset**, **Constructionline**, **SafeContractor**, **CHAS**, and **Building with Confidence**, reflecting our strong health and safety culture.

What Our Thorough Examination & Test Includes

- KI Discus and DOP testing
- Operation checks on the safety cabinet
- **Qualitative (smoke)** and **quantitative (anemometer)** airflow assessments
- Condition and operation checks on **external fans and ductwork** (where applicable)

Flexible Service Programs

We offer a choice of service plans to fit your requirements:

- **Routine inspections** and maintenance visits
- **Specialist testing** for clients needing additional performance certification

Safelab keeps your laboratory safe, compliant, and running smoothly with tailored support you can rely on.

With over 40 years of experience, Safelab, now part of the SDI Group, is a leading UK designer and manufacturer of high-quality fume cupboards and safety cabinets. Since 2003, we have produced more than 11,000 fume cupboards and provide servicing and support to more than 2,500 customers each year.

We work with a broad spectrum of clients, from pharmaceutical organisations, industrial R&D facilities, and major universities to schools and small laboratories.

By collaborating closely with consultants (often with BIM and REVIT information), laboratory furniture specialists, leading construction firms, and end users, Safelab has become the preferred supplier for many of the UK's largest laboratory projects.

What Safelab Stands For:

- Exceptional manufacturing quality
- Expert consultation
- Outstanding customer support
- Continuous innovation

To meet the diverse needs of our clients, we offer both filtered and ducted fume cupboards, delivering tailored solutions for every environment.

We also test, maintain, and service fume cupboards from any manufacturer, ensuring full compliance with COSHH Regulation 9.

Commitment to Excellence

Our dedication to quality, innovation, and customer care ensures that every Safelab fume cupboard is built to the highest standards.

With Safelab, you can be confident you are choosing the very best in laboratory safety and fume extraction technology.

UK Headquarters
Airone Building
8 Beaufighter Road
Weston Super Mare
Somerset
BS24 8EE

www.safelab.co.uk
safelab@safelab.co.uk
+ 44 (0)1934 421340