Airone R3 Ductless Filtration Fume Cabinet

www.safelab.co.uk

MADE IN BRITAIN®

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Airone R3

Ductless Recirculating Fume Cabinet

The **Airone R3** range of ductless recirculating fume cabinets have been designed to comply with BS EN 17242 for Filtration Fume Cabinets. They provide protection to the operator against hazardous substances, whilst being environmentally friendly and energy efficient. As a ductless solution, no external ducting is required, making installation simple and more cost-effective.

▲ Model shown: 1200R with optional extras

Each unit incorporates a **Variable Air Volume** system which ensures the inflow is constant at variable sash heights. A counterweighted sliding front sash and clear laminated glass sides provide great access and visibility. Digital control systems are included to monitor and optimise performance, always ensuring safe and efficient operation.

Available in 5 standard widths – 1000mm, 1200mm, 1500mm, 1800mm, and 2000mm – the units can be freestanding, walk-in, or bench mounted.

To ensure optimum containment and compliance, each cupboard is fitted with Carbon / HEPA filters specified by our in-house chemist, precisely tailored to the chemical applications and substances used in your laboratory.

Built in the UK, this product can be tailored to each customer's needs.

Benefits

- High specification
- Simple cost effective installation
- Ductless, environmentally friendly
- Laminated glass sided
- Replaceable activated carbon and / or HEPA filters

▶ Walk-In R3 with DDA access

Features & Benefits

Advanced Filtration, Zero Ducting, Total Compliance

▲ Sink & Drip Cup Options

▲ Bench-Mounted R3

Recirculating Technology eliminates the need for external ductwork.

Digital Control System provides real-time monitoring of airflow, filter status, and system performance.

▲ Digital Control System

Carbon / HEPA Filter configurations, customisable to suit specific chemical applications.

Low Energy Digital Fans that deliver consistent airflow while reducing power consumption.

Low Fan Noise creates a quieter working environment that supports concentration and comfort.

Large Front Aperture allows for easy access to the working area, facilitating smooth handling of equipment and materials.

Low Airflow Alarm provides an immediate alert if airflow drops below safe levels, helping prevent accidental exposure to hazardous fumes or chemicals.

Hinged Front Panel aids routine maintenance, allowing quick access to filters and internal components.

Integral LED Lighting is integrated into the unit, providing clear visibility across the working area without adding heat or glare.

▲ Polypropylene Cabinet

▲ Fire Cabinet

▲ Vented Storage Cabinet

Options

Vented Storage Cabinets provide secure, ventilated storage for chemicals and reagents, helping to reduce the risk of vapour build-up and improve overall lab safety.

Selection of Worktop Materials including polypropylene, stainless steel, and epoxy resin to suit your specific laboratory needs.

Remote Gas / Vacuum / Air Services

Drip Cup or Sink can be installed to manage liquid waste safely and conveniently.

Electrical Sockets provide convenient access to power for lab equipment and instrumentation.

Filter Saturation Alarm alerts users when filters are approaching capacity, ensuring timely replacement and maintaining optimal containment performance.

Trolley / Stand offers flexibility in lab layout and mobility, allowing the unit to be repositioned as needed.

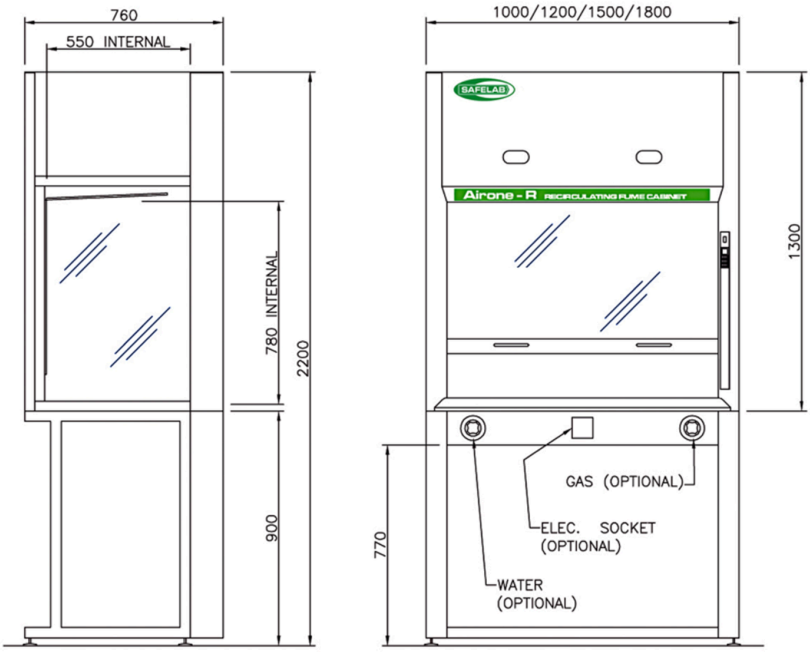
Special Bespoke Units designed to your exact specifications: dimensions, specialist filtration, or integrated utilities.

Technical Information

Mechanical Data

Airone R3 Ducted Fume Cabinet

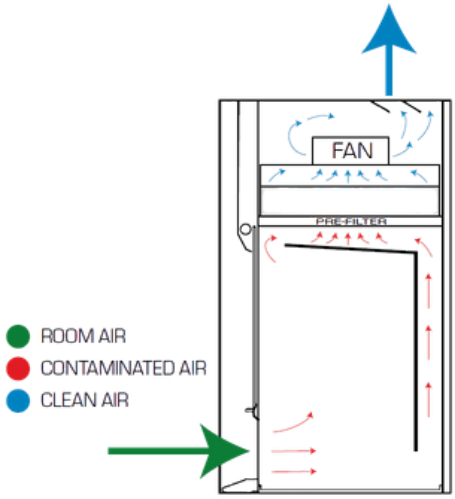
Min. Working Height	200mm[1]
Max. Working Height	365mm[1]
Usable Internal Height	780mm[2]
Power Supply	230V, 50Hz
Main Construction	Mild Steel
Stand	Mild Steel



[1] From worktop to sash.
[2] From worktop to lowest point of top baffle.

Technical Data

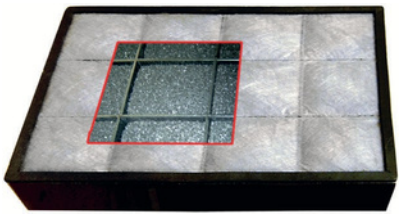
	1000R3	1200R3	1500R3	1800R3
External (W x D x H)	1000 x 760 x 1300mm	1200 x 760 x 1300mm	1500 x 760 x 1300mm	1800 x 760 x 1300mm
Internal (Standard) (W x D x H)	950 x 550 x 780mm	1150 x 550 x 780mm	1450 x 550 x 780mm	1750 x 550 x 780mm
Lighting	LED	LED	LED	LED



Carbon Filters

for Filtration Fume Cabinets

At **Safelab**, we design, manufacture, and supply an extensive range of high-performance **carbon and HEPA filters** for recirculating fume cabinets, servicing not only our own systems but also a wide range of products from other leading manufacturers. Each filter is designed for specific chemical groups, ensuring targeted protection, and optimal performance.



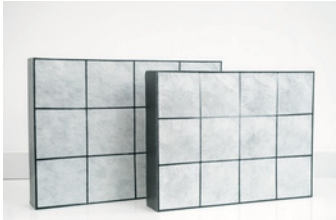
Tailored Filtration – Built Around Your Needs

Every laboratory is different, that's why our experienced in-house chemist works closely with customers to evaluate their requirements and specify the most suitable filter:

- Clients provide us with a list of chemicals they use
- Our technical team identifies the most suitable carbon filter type
- We manufacture and supply a filter matched to those needs

This tailored approach ensures your fume cabinet delivers optimum containment, efficiency, and peace of mind.

Trusted Safety and Support



All filters are manufactured to rigorous quality standards and supported by Safelab's technical expertise and comprehensive service. From selection and installation to ongoing maintenance and replacement schedules, we ensure your laboratory continues to operate safely, compliantly, and sustainably.

Our filters are trusted across the **pharmaceutical, R&D, healthcare, industrial, and education sectors,** where safety and reliability are paramount. With decades of experience and in-house expertise, we deliver proven filtration technology that safeguards people, processes, and the environment.

Safelab carbon filters – protecting people and the environment with safe, flexible, and cost-effective fume cabinet filtration.

Did you know?

Just 1 gram of activated carbon has the surface area of a football pitch – giving it the power to trap trillions of chemical molecules. Safelab filters harness this natural adsorption power to deliver **safe, clean air** back into the laboratory.

Activated carbon used by Safelab is made from coconut husks, making it a renewable resource, highly durable, and optimal due to its high surface area.

Service & Maintenance

Precision Maintenance for Peak Lab Performance

It is a **legal requirement** that all fume cupboards/cabinets undergo a **thorough examination and test at least every 14 months** to comply with COSHH Regulation 9. Safelab provides nationwide service and maintenance for **all makes and models** of fume cupboards and laminar flow cabinets whether ducted or filtered.

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 17242**
- **BS EN 14175**
- **COSHH REG9**
- **HSG258**
- **CLEAPSS G9 (schools)**

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

- Operation checks on the fume cupboard/cabinet and services
- **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.

Safelab Product Portfolio

Integrated Products. Consistent Protection.

AIRONE XP DOUBLE WALL DUCTED FUME CUPBOARD

AIRONE X2 SINGLE WALL DUCTED FUME CUPBOARD

AIRONE R3 FILTRATION FUME CABINET

AIRONE C700 FILTRATION FUME CABINET

POLYPROPYLENE AIRONE X DUCTED FUME CUPBOARD

POLYPROPYLENE AIRONE R FILTRATION FUME CABINET

FORENSIC SCIENCE SAFETY CABINET

STORAGE CABINET

AIRONE CLASS II MICROBIOLOGICAL SAFETY CABINET

AIRONE HORIZONTAL LAMINAR FLOW CABINET

AIRONE VERTICAL LAMINAR FLOW CABINET

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