Airone X Polypropylene Single Wall Ducted Fume Cupboard

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MADE IN BRITAIN®

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Airone XPP

Polypropylene Single Wall Ducted Fume Cupboard Range

The **Airone XPP** range of polypropylene single wall ducted fume cupboards delivers BS EN 14175-compliant protection through robust polypropylene construction and a smooth counterweighted polycarbonate sash. An integrated air bypass system and low airflow alarm ensure safe, consistent performance, while the ducted design eliminates replacement filter costs. The working chamber operates under negative pressure generated by a remote exhaust system, safely extracting hazardous vapours from the laboratory environment.

▲ Model Shown: 1200XPP

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

Designed to deliver dependable airflow control in busy laboratory environments, the Airone XPP maintains stable face velocities across a wide range of operating conditions. The integrated air bypass system and constant airflow monitoring help ensure effective containment of fumes and vapours, protecting users while supporting efficient day-to-day laboratory workflows.

A comprehensive range of optional services, accessories, and finishes allows the Airone XPP to be configured to suit specialist applications. From integrated lighting to remote water services, each unit can be tailored to complement your laboratory layout and operational needs.

Benefits

- Air bypass system
- Sliding front sash
- Integral lighting for improved visibility
- Large front aperture for improved access
- Low airflow alarm
- No replacement filter costs

Technical Information

Technical Data

	1000XPP	1200XPP	1500XPP	1800XPP
External (W x D x H)	1020 x 790 x 1300mm	1220 x 790 x 1300mm	1520 x 790 x 1300mm	1820 x 790 x 1300mm
Internal (Standard) (W x D x H)	982 x 550 x 1030mm	1182 x 550 x 1030mm	1482 x 550 x 1030mm	1782 x 550 x 1030mm
Air Volume @ 0.5m/s	600m³/hr	750m³/hr	960m³/hr	1180m³/hr
Lighting	LED	LED	LED	LED
Duct Spigot	250mm ∅	250mm ∅	250mm ∅	250mm ∅

▲ Sink & Drip Cup Options

Options

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

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

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.

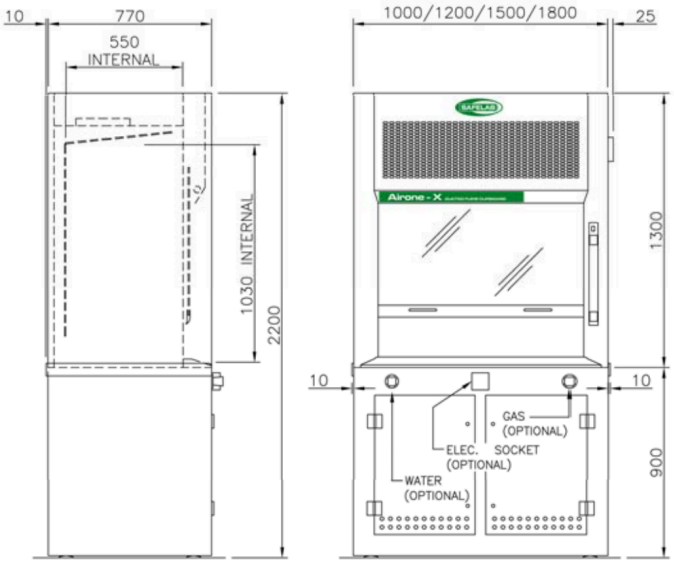
Remote Gas / Vacuum / Air Services

Technical Information

Mechanical Data

Airone XPP Single Wall Ducted Fume Cupboard

Min. Working Height	200mm[1]
Max. Working Height	400mm[1]
Usable Internal Height	1030mm[2]
Power Supply	230V, 50Hz
Main Construction	Polypropylene
Duct Spigot	PPS



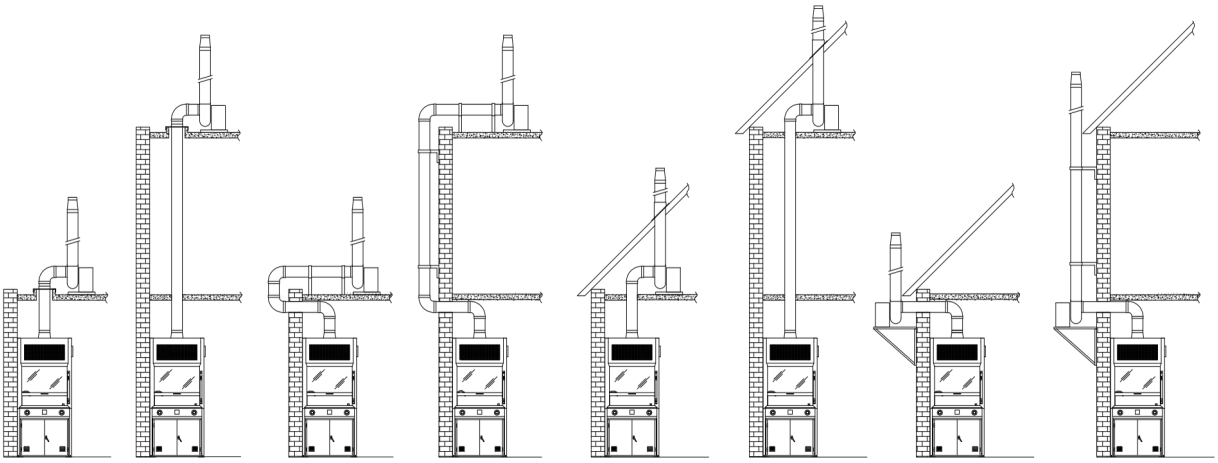
[1] From sill to sash.
[2] From worktop to lowest point of top baffle.

Extract Duct

The Airone X polypropylene ducted fume cupboard range must be connected to an extract system with a properly sized fan to manage pressure loss and effectively remove harmful fumes.

Safelab Systems has extensive experience supplying and installing these systems, whether for new builds or retrofitting into existing structures. By collaborating with architect, contractor, and end users, we ensure smooth installations.

Typical Duct Routes



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.

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.

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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