



# The Fume Cupboard Company

At The Fume Cupboard Company, we have been leading the way in the design, supply, and installation of fume extraction systems since 2018. Our services extend beyond just installation, as we also offer annual COSHH testing, maintenance visits, and servicing to clients across the UK.

Our clientele includes those in:

Pharmaceutical - Research & Development -  
Health and Diagnostic Laboratories - Educational Organisations.

In addition to our core services, we also provide.

Fire Suppression - De-commissioning strip out - Plumbing and electrical works -  
Commissioning - Intelligent Air Handling.

We are fully insured and hold a silver membership status with Constructionline. We understand that selecting the appropriate fume cupboard and associated extraction system for your business or organization can be a complex decision, and we are here to help you make informed choices.

With over 30 years experience in the Fume Extraction Industry The Fume Cupboard Company Ltd. Prides itself on its attention to detail. Instilling confidence in its clients to use our services time and again.



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# The Fume Cupboard Company

## Airflow 2 - Educational Ducted Cupboard

The Airflow 2 Educational Ducted Fume Cupboard effectively eliminates all fumes and smoke generated during chemical reactions, providing excellent protection for wet chemistry experiments. It is designed to capture and contain fumes and smoke, and is available in three widths (1000mm, 1200mm, and 1500mm), featuring a chemically resistant Trespa base and a sliding glass sash. This fume cupboard is one of the top performers in the market.

It meets several compliance standards such as Building Bulletin 88 (Rev G9), Energy efficient design and operation of Fume Cupboards Guide 320, and BREMM Hea 17 and Ene 11. It's worth noting that a suitable extraction system is required for the Fume Cupboard to function correctly. The extract system must meet the requirements of D.W. 154 and Building Bulletin 88.

Furthermore, the Airflow 2 is entirely designed and manufactured in the UK, and it comes in a standard width of 1000mm and a standard height of 1880mm.



If you're interested in Fume Cupboards for Schools, please click the link to find out more.





# The Fume Cupboard Company

## Airflow 3 - Movex™ LEV Extraction arms

Equipped with Movex™ extraction technology. The Fume Cupboard Company is an authorized installer of Movex™ extraction arm systems, providing installation and maintenance services for both bench and ceiling mounted fume extraction arms.

The company sources a diverse range of Movex™ products to suit different working environments where hazardous dust and fumes are present. The extraction arms are designed to establish local extraction directly connected to the working process. This ensures that hazardous vapours and substances are removed as closely to the source as possible before they spread into the room.

### Fans and Controls

Movex Fans are designed to suit Local Exhaust Ventilation Systems in a variety of Industries, whilst our range of automation controls can be utilised for both separate and complete solutions.

### When do I need Local Extraction?

We would recommend local extraction systems where fumes are generated that are hazardous to health. We would also recommend local extraction at the working processes to aid expelling fumes, aerosols, and other hazardous odours.

### Encapsulation Cabinets.

In some instance it may be more effective to encapsulate Local Fume Extraction within a Cabinet stopping harmful pollution and preventing it from spreading into the air, in particular situations such Laboratory analysis equipment or grinding processes that create excessive amounts of dust.

### Airflow alarm.

An airflow alarm is mounted on the Extraction arm to monitor the airflow through each arm. The airflow alarm gives a visible and/or audible signal when the airflow gets below the needed level and becomes insufficient.

Contact Us To learn more about LEV Extraction Arm Systems



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## Airflow 4 - Bespoke Extraction

Fabricated hoods. Airflow 4 offers bespoke fabricated hoods that are typically made from polypropylene and are positioned directly above the workspace. These hoods are used together with one of our ductwork systems to vent fumes either directly to the atmosphere or, depending on the process, via a filtration unit or duct extraction systems outside.

This type of Hood or Canopy are usually directly located over the workspace. Canopies such as these would be utilised in conjunction with one of our Ductwork Systems to vent the fumes either directly to atmosphere or depending on the process via a Filtration Unit or Duct Extract Systems into the atmosphere outside. This is the Fume Hood of the future, and there's a good reason why. They are economical, convenient, environmentally friendly and are safe for use with approved process applications. If you are unfamiliar with Ductless or Filtered Hoods and traditional Ducted Hoods, here is a quick overview.

A Filtered Hood takes ambient air from the Lab Environment through the Cabinet opening at an average velocity of 100fpm (creating negative pressure), air flows into the Hood, then through Filters at the top, and then recirculates clean air back into the Lab. A Ducted Fume Hood takes ambient air from the Lab Environment in through the Cabinet opening at an average velocity of 100fpm (creating negative pressure) and exhausts it through the top of the hood, through Duct Work then outside the building into the air.

To learn more about this product, contact us.





# The Fume Cupboard Company

## Airflow 5 - Airflow® Vertical Laminar Flow Hoods.

Are a series of high efficiency products designed to protect equipment and other contents of the work zone from particulates, for applications sensitive to such contamination.

Vertical Laminar Flow Hoods more often have filters located on the back wall.

Unidirectional filtered air is then passed horizontally from the rear, straight across the work surface. Laminar Flow Cabinets provide unidirectional airflow that sweeps particulates out of the enclosure.

Both types are designed to prevent stagnant air or dead zones that cause particle buildup as well as turbulent, violent, or erratic airflow that creates swirls or unpredictable particulate movement across the work surface and leads to possible contamination.







# The Fume Cupboard Company

## Airflow 5 - Airflow® Vertical Laminar Flow Hoods.

Airflow LF Series hoods. Provide excellent protection of equipment and materials inside the Cabinet from particulate contamination. The Airflow LF series of Hoods encourages compliance with criteria set forth by USP 797 for sterile pharmaceutical compounding preparations of non-hazardous agents. Procedures that include the production of injectables, IV admixtures, pastes, ointments and irrigating solutions are all protected by filtered air over the work surface.

The LF Series Cabinets are available in 2', 3', 4', 5', 6' and 8' widths for general applications and feature a variety of options to help customize the cabinets to specialized uses.

Airflow LF Vertical Cabinets provide Vertical airflow. At the heart of the Airflow® Laminar Flow Hood product line is the Air Science Multiplex™ ULPA Filtration Technology that creates a clean work environment over a wide range of applications.

### When to Choose Vertical Laminar Flow?

Because Vertical Laminar Flow has an additional break as it travels down from the top mounted filter before hitting the work surface, it produces less turbulence when coming into contact with large equipment.

Any applications that produce fumes or vapors, such as soldering fumes, or those that have fine powders should opt for Vertical Laminar Flow. Unique or custom applications may also be better suited to Vertical Laminar Flow. The filter position often allows for larger, taller Fume Hoods. When designed with a clear back panel in addition to clear side panels, Vertical Laminar Flow Hoods provide 360° visibility and allow more ambient light onto the work surface.

To learn more about this product, contact us.



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# The Fume Cupboard Company

## Airflow 6 - Airflow® Horizontal Laminar Flow Hoods.

Are a series of high efficiency products designed to protect equipment and other contents of the work zone from particulates, for applications sensitive to such contamination.

Horizontal Laminar Flow Hoods more often have filters located on the back wall.

Unidirectional filtered air is then passed horizontally from the rear, straight across the work surface. Laminar Flow Cabinets provide unidirectional airflow that sweeps particulates out of the enclosure.

Both types are designed to prevent stagnant air or dead zones that cause particle buildup as well as turbulent, violent, or erratic airflow that creates swirls or unpredictable particulate movement across the work surface and leads to possible contamination.





# The Fume Cupboard Company

## Airflow 6 - Airflow® Horizontal Laminar Flow Hoods.

Airflow LF Series hoods. Provide excellent protection of equipment and materials inside the Cabinet from particulate contamination. The Airflow LF series of Hoods encourages compliance with criteria set forth by USP 797 for sterile pharmaceutical compounding preparations of non-hazardous agents. Procedures that include the production of injectables, IV admixtures, pastes, ointments and irrigating solutions are all protected by filtered air over the work surface.

The LF Series Cabinets are available in 2', 3', 4', 5', 6' and 8' widths for general applications and feature a variety of options to help customize the cabinets to specialized uses.

Airflow LF Vertical Cabinets provide Vertical airflow. At the heart of the Airflow® Laminar Flow Hood product line is the Air Science Multiplex™ ULPA Filtration Technology that creates a clean work environment over a wide range of applications.

### When to Choose Vertical Laminar Flow?

Because Vertical Laminar Flow has an additional break as it travels down from the top mounted filter before hitting the work surface, it produces less turbulence when coming into contact with large equipment. Any applications that produce fumes or vapors, such as soldering fumes, or those that have fine powders should opt for Vertical Laminar Flow. Unique or custom applications may also be better suited to Vertical Laminar Flow.

The filter position often allows for larger, taller Fume Hoods. When designed with a clear back panel in addition to clear side panels, Vertical Laminar Flow Hoods provide 360° visibility and allow more ambient light onto the work surface.

To learn more about this product, contact us.



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## Airflow 7 Ductless Industrial Fume Hoods.

The Airflow 7, also known as a Ductless Balance Enclosure, is a Class I enclosure that complies with USP 795 requirements for non-sterile environment from hazardous powders and particulates generated on the work surface.

The Purair RX incorporates innovative ductless technology that creates a safe work environment suitable for a wide range of applications, including balance enclosures, compounding, powder mixing, and powder weighing.

### Airflow 7 Features & Benefits

- High efficiency ebm-papst EC blower.
- Energy savings LED lighting.
- Protects the operator from powder and particle hazards.
- Filter clamping eliminates bypass leakage.
- Exhaust canopy allows for thimble ducting to the facility exhaust system.
- Filter blockage alarm.
- Complies with USP 800 USP 795 guidelines.

To learn more about this product, contact us.





# The Fume Cupboard Company

## Airflow 8 Ducted fume cupboards

Is specifically designed for industrial and commercial applications, making it the perfect choice for such settings. These Ducted Fume Cupboards are available in standard widths of 1200mm, 1500mm, 1800mm, and 2000mm, providing a range of options to suit different needs.

The Airflow 8 Cupboard is compliant with Building Bulletin 88 (Rev G9) and is designed and manufactured in accordance with Energy Efficient Design and Operation of Fume Cupboards Guide 320. It also meets the compliance standards of BREAMM Hea 17 and Ene 11.

It's important to note that a suitable extraction system is required for the fume cupboard to function correctly, and it must meet the requirements of D.W. 154 and Building Bulletin 88. The Fume Cupboard Company can provide a full turnkey solution to ensure optimal performance.

The Airflow 8 Fume Cupboard range includes different models such as;

Standard Bench Mount - Walk-in Double Fronted - Double Fronted Walk-in - Slim Profile Sides.  
catering to diverse industrial and commercial applications.

The Airflow 8 Fume Cupboard Range Is best suited for Industrial and Commercial situations.

- Smooth radiused front profile for Improved Fume Cupboard containment and aerodynamics.
- Type tested to BS EN14175 @ 0.30m/sec, 0.35m/sec, 0.40m/sec and 0.50m/sec.
- 316 grade stainless steel front cill.
- Inner chamber 6mm Trespa TopLab BASE with 16mm Trespa TopLab BASE bundled base
- High performance removable back baffles for maintenance.
- Removable service panels for taps, sockets and alarm panels.
- Sash restrictor with auto set feature.
- Front by-pass grille which is removable for access and maintenance.
- LED low energy light fitting with front mounted light switch.
- 2 x MK Double switched socket outlets.
- TEL AFA4000/2 tactile and digital fully programmable airflow monitor / alarm panel.
- Alarm panel, light and double sockets all pre wired to junction box.
- 6mm toughened glass sash on twin stainless steel cables and counter balanced weight system.
- Curved aerodynamic sash handle with easy grip front D handles.
- Superior containment and airflow profiling.



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