



# 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.



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## 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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