AeroExcel Fume Cupboards

FUMAIR

Fume Cupboards...for Life

The AeroExcel Range of Fume Cupboards are built to provide the highest possible safety, in the most demanding of environments.

Available in 5 standard widths, over 25 configurations and with too many options to list, these fume cupboards feature unique GRP moulded fascias and inner chambers and are built to last a lifetime.

- Fully compliant with BS:EN 14175 (and the superseded BS:7258)
- Manufactured in the UK
- Independently tested and proven to provide the very highest level of fume containment, even at energy-saving face velocities as low as 0.3m/sec.
- Built to last a lifetime. GRP provides a more durable and resistant surface than the standard materials offered by our competitors
- Unique one-piece moulded GRP inner liner. Wide-radius corners and edges provide excellent airflow dynamics, easy cleaning and decontamination
- Unique one-piece moulded GRP fascia. No visible fixings and wide-radius edges encourage smoother, less turbulent airflow into the fume cupboard chamber resulting in better fume capture and containment
- Extremely low maintenance
- Clean stylish looks to compliment the modern lab

10 year parts and labour warranty!
(conditions apply)

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Standard Features

Fumair AeroExcel fume cupboards are designed and built to withstand the most demanding of uses and conditions.

Features incorporated as standard include:

- Full compliance with BS:EN 14175.
- Class-leading containment at average face velocities as low as 0.3m/sec.
- One-piece moulded GRP front assembly with smooth aerofoiled sections into the chamber for improved airflow and containment.
- Sash bypass grille at high level to compensate for sash movement and eliminate excessively high face velocities at low sash opening heights.
- One-piece GRP moulded chamber and full width removable back baffle with high and low level extraction slots, for smooth consistent airflow across the whole of the sash opening and easy cleaning/decontamination.
- Hinged maintenance panel above the chamber for access to duct connection, light assembly and sash mechanism.
- Worktop with all-round spillage containment edging and dripcups, sinks and troughs to suit requirements. Available in a choice of materials.
- Polyester powder coated steel sub-frame with stainless steel fixings.
- Vertically sliding 6mm thick toughened glass frame-less sash with full width aerofoiled handle. Sash suspended on 2 x 3mm stainless steel cables running over nylon pulleys with roller bearings. A fail-safe counterbalance arrangement ensures the sash is restrained in the unlikely event of one of the sash cables breaking.
- Polyester powder coated steel support frame with heavy duty adjustable feet and 250mm deep service void to the rear.
- Sash stop mechanism that limits the sash to a safe working height (500mm). An override feature allows the sash to raise fully to facilitate loading and unloading of apparatus. The override feature automatically resets as the sash is lowered. Minimum height sash stops fitted to protect the user's fingers.
- High-frequency twin fluorescent light providing in excess of 750 Lux at the work surface, sealed from the airstream and controlled from an engraved fused switch.
- Water, gas and air services fitted to suit requirements. Control valves are mounted on the front service panel, outlets are mounted on the inner side walls of the liner.
- Switched socket outlets, data outlets, isolators, RCDs and MCBs fitted to suit requirements.

Model	AE1000	AE1200	AE1500	AE1800	AE2000
Width (external / internal)	1000 / 740	1200 / 940	1500 / 1240	1800 / 1540	2000 / 1740
Height (external / internal)	2400 / 1100 (max)				
Depth (external / internal)	930 / 620 (max)				
Sash Height (max / min)	760 / 25 (safe working height stop at 500)				
Extract Volume (m^3/h)*	670	850	1120	1390	1570

* Extract volume is approximate, based upon an average face velocity of 0.5m/s with the sash at its maximum working height of 500mm.

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