

Ducted Fume Cupboards

The TCS range of fume cupboards comply with the requirements and recommendations of BS 7258 (1994) parts 1-3 inclusive. The test containment value of the fume cupboards, as described in Part 4 of the British Standard, are a mean value of <math><0.005\text{ppm}</math> and a maximum value of <math><0.010\text{ppm}</math>. The units can be integrated into the laboratory at the design stage or simply bench or stand mounted.

Sizes available

The TCS standard fume cupboards are available 1000mm, 1200mm, 1500mm, 1800mm and 2000mm module widths. However, all bespoke sizes of external and internal widths, depths and heights can be easily manufactured with no large cost penalty.

The TCS standard range has 45 degree angled side mullions each 150mm in width to accommodate the mechanical and electrical services. Alternative mullion profiles ranging from 40mm to 120mm in width are also available.



Features

- Attractive design, with an aerodynamic zintec mild steel outer carcass with an epoxy polyester powder coated gloss finish.
- Stainless steel front cill – hinged option available.
- Air by-pass via louvered aluminium grille.
- Infill panelling by extended continuous side panels can be provided with front panel supported on gas struts for easy access for maintenance.
- Internal chamber and baffles constructed from Trespa as standard, with options for PVC, polypropylene, 316 grade stainless steel, toughened glass or cast epoxy resin.
- Smooth toughened glass vertical sliding sash with failsafe mechanism on single weight system – sashes can be combination style with horizontal sliding windows.
- Auto-resetting sash lock to comply with new EN 14175.
- Worktops manufactured from cast epoxy resin and dished – options for Ceramic, Trespa, PVC, polypropylene and 316 grade stainless steel available.
- Range of wet and dry services plumbed in rigid copper or flexible pipework.
- Range of polypropylene, cast epoxy and stainless steel drip cups, sinks and vulcathene bottle traps.
- Range of switch socket outlets, RCD protection, data outlets, etc., available.
- Twin fluorescent light fittings and light switches fitted as standard.
- Programmable controls panels to meet BS 7258 fitted as standard incorporating sash high alarms, low airflow alarms and fan stop/start facility.
- Ventilated storage cupboards – suitable for acids, solvents or flammables.
- PVC ductwork connection pieces with integral volume control dampers.
- Adaptable for use as on a constant air volume or variable air volume extract system.
- Scaffold bosses and framework can be fitted.
- Pass through ports between inner and outer skins can be provided.
- Fire suppression systems can be provided.
- Tissue guards to back baffles can be provided.
- Internal chambers can be manufactured from fully welded 316 grade stainless steel to provide a seamless monolithic chamber suitable for radioactive use.

