

Fume Cupboards for Schools

The Academia fume cupboard is suitable for educational establishments, it complies with building bulletin 88. (Rev to Design Note 29). The fume cupboard offers teaching staff and students a safe and economical solution to practical science.

Fume Cupboard Specification

Designed, manufactured and installed to meet the requirements of Building Bulletin 88 (Rev to Design Note 29).

- Framework fabricated from powder coated mild steel.
- A wide range of work surfaces available including solid grade laminate or solid epoxy resin.
- 6mm toughened glass sash, counter balanced on slim-line weights running on corrosion resistant nylon pulleys.
- Air ByPass Grille.
- Sash stop set at 400mm and 25mm.
- 55W fluorescent low energy light fitting. Light switch located on front of support frame or cabinet.
- Back baffle easily removable for cleaning and maintenance.

Fume Cupboard Support

The fume cupboard can be supported on a powder coated mild steel frame or laminated storage cupboard.

Fume Cupboard Services

- Cold Water Outlet into 100 diameter vulcathene drip cup complete with waste trap.
- Gas Outlet.
- 13Amp Double Electrical Sockets.
- Service control valves are located at the front of the support frame or storage cabinet.

Fume Cupboard Alarm Systems

A tactile alarm panel giving audio/visual airflow status. When the airflow is normal a green LED is lit, on airflow failure an intermittent beep is initiated together with a flashing red LED. The mute button disables the warning beep.

- A sash high alarm is available as an option.
- A fan stop/start is available as an option.

Fume Cupboard Configuration

The fume cupboard is available in a number of specifications:- Fixed on support frame or storage cabinet, solid side panels.

- Glazed sides for 180 deg viewing.
- Glazed sides and rear for 360 deg viewing.
- Mobile support frame, with flexible duct connection. (flexible service connections required)

Or a mixture of the above specifications.

Fume Extract System

Design, manufacture and installation of extract systems to suit current legislation. Fans are fabricated from polypropylene with a range of direct drive motors, available for single or three phase supply. We offer full turnkey solutions, offering mechanical, plumbing, electrical and building works.

Fume Cupboard Inspection, Service & Maintenance

Fume cupboards must be inspected at least every 14 months, or earlier depending on the usage. Our engineers will carry out routine maintenance and service on a complete fume cupboard system, an inspection of all mechanical and electrical components will be made together with face velocity readings. Inspection schedule complies with BS7258 and COSHH (Reg 7 & 9). The completed test results are presented to the client.



Vision panels at each side, solid back baffles



Semi-mobile



Extra wide fume cupboards



Rear vision panel with clear back baffles

Fume Cupboard Sizes

Width	Depth	Height
1000mm	725mm	2080mm
1200mm	725mm	2080mm
1500mm	725mm	2080mm

External Width	1000	1200
Take-Off	200mm dia	200mm dia
Take-Off Height	2010	2010
Centre From Back	200	200
Internal Working Width	950	1150
Internal Working Depth	650	650
Chamber Height	1000	1000
Volume of Air @ 0.35m/sec @ 400 sash height	0.152m ³ /sec 547m ³ /hour	0.184m ³ /sec 662m ³ /hour
Service Connections	10mm copper	10mm copper
Drainage	1 1/2" Thread	1 1/2" Thread
Power Requirements	230V / 20A supply	230V / 20A supply
Pa Drop	60Pa	60Pa
Weight	175kg	185kg
External Dimensions	Height 2000 Depth 725 Width 1000	Height 2000 Depth 725 Width 1200



Integrated Laboratory Services Ltd

Unit 5, The Elm Unit
Thomas Gill Road, Summerbridge
Harrogate
North Yorkshire
HG3 4LA

Phone +44(0) 1423 781101 (2 lines)
Fax +44(0) 1423 781698

www.fumecupboards-direct.com
sales@fumecupboards-direct.com