

## Aerodynamic Fume Cupboard

BS 7258  
EN 14175

Quality fume cupboards suitable for a range of applications including Universities, Pharmaceutical and Industrial.

Manufactured and installed to meet the requirements of BS7258 and BS EN 14175.

Type Tested & Containment tested in accordance with BS7258 Part I - IV.

### Fume Cupboard Specification

Designed, manufactured and installed to meet the requirements of BS7258 Parts 1 - 4 and BS EN 14175

- Outer Carcass fabricated from zinc mild steel, powder coated in textured matt white (RAL 9016) epoxy paint. Smooth rounded front edge profile.
- A wide range of work surfaces available including solid grade laminate (Trespa), solid epoxy resin, fully welded polypropylene or 316 grade stainless steel.
- 6mm toughened glass sash, counter balanced on slim-line weights running on corrosion resistant nylon pulleys.
- Removable front Air Bypass Grille.
- Sash stop set at 500mm 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. Solvent and Flammable cabinets available.

### Fume Cupboard Services

- Cold Water. (Range of sinks and drip cups etc).
- Gas Outlet. (Other Gases).
- 13Amp Double Electrical Sockets.
- Service control valves are located on the front aerodynamic fascia.

### Fume Cupboard Alarm Systems

A full range of state of the art multi programmable airflow alarms and monitors. Functions include LCD air speed read-out, Fan stop/start and programmable relay outputs and inputs.

### 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 or belt driven impellers, 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.



External Width Custom sizes available	1000mm	1200mm	1500mm	1800mm	2000mm
Take-Off	200 dia	200dia	250dia	315dia	315dia
Take-Off Height	2030	2030	2030	2030	2030
Centre From Back	200	200	200	200	200
Internal Working Width	700	900	1200	1500	1700
Internal Working Depth	720	720	720	720	720
Chamber Height	1100	1100	1100	1100	1100
Volume of Air @ 0.5m/sec @ 500 sash height	0.175m <sup>3</sup> /sec 630m <sup>3</sup> /hour	0.225m <sup>3</sup> /sec 810m <sup>3</sup> /hour	0.30m <sup>3</sup> /sec 1080m <sup>3</sup> /hour	0.375m <sup>3</sup> /sec 1350m <sup>3</sup> /hour	0.425m <sup>3</sup> /sec 1530m <sup>3</sup> /hour
Service Connections	¼" BSP	¼" BSP	¼" BSP	¼" BSP	¼" BSP
Drainage	1 ½" Thread	1 ½" Thread	1 ½" Thread	1 ½" Thread	1 ½" Thread
Power Requirements	230V / 20A into Junction Box	230V / 20A into Junction Box	230V / 20A into Junction Box	230V / 20A into Junction Box	230V / 20A into Junction Box
Pa Drop	60Pa	60Pa	60Pa	60Pa	60Pa
Weight	200kg	225kg	250kg	275kg	300kg
External Dimensions	Height 2400 Depth 900 Width 1000	Height 2400 Depth 900 Width 1200	Height 2400 Depth 900 Width 1500	Height 2400 Depth 900 Width 1800	Height 2400 Depth 900 Width 2000

Alarm Type	Series 500	Series 1	Series 2
LCD Display	x	✓	✓
Fully Programmable	x	✓	✓
Airflow Failure	✓	✓	✓
Airflow Normal	✓	✓	✓
Mute	✓	✓	✓
Sash High	✓	✓	✓
Sash Normal	✓	✓	✓
Mute	✓	✓	✓
Fan Stop / Start	x	x	✓



### Fume Cupboard Models

- Bench (On support frame)
- Step-In
- Scrubber
- Educational to Building Bulletin 88 (See separate data sheet)
- Walk-In
- Double Fronted
- Custom



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