

Mobile Recirculating

EDUCATIONAL FUME CUPBOARD



Fume Containment

616/01_07/22

Designed to be easily shared between classrooms

For smaller schools and colleges where a fume cupboard may not be in constant use or space is at a premium, mobile recirculating fume cupboards from TCS provide a neat solution. The units feature glass panels to all four sides allowing students 360 degree visibility of experiments, and can be moved between labs or classrooms, comfortably fitting between standard door openings.

When in use, the fume cupboard can be secured using a docking station, and then positioned back against a wall when lessons have finished. The docking station is a robust lockable enclosure housing water, gas, drainage and power connections which enable quick-release connections when the cupboard is moved.

The mobile recirculating fume cupboard recirculates air back into the laboratory via an integral fan unit and carbon filter. The carbon filter is suitable for all standard chemicals used in GCSE and A Level curriculum work. We can offer an annual maintenance service which includes carbon filter saturation testing and replacement supply and installation of filters as required by the COSHH regulations.

All TCS educational fume cupboards are designed in accordance with CLEAPSS Guide G9 – Fume Cupboards in Schools (Revision of DfEE Building Bulletin 88) and independently tested and passed by CLEAPSS.

KEY FEATURES

- Fully mobile and lockable in position for easy transport between classrooms
- 360 degree visibility ideal for classroom demonstrations
- Integral 25kg carbon filter
- Protective pre-filter
- Integral high level lighting
- Airflow control panel
- RCD protected double socket outlet
- Remote operated gas and water outlets
- Drip cup, bottle trap and flexible drain hose
- Stainless steel restraining tether



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MODEL SIZE		1 m	1.2 m	1.5 m
Dimensions				
External				
Width	mm	1000	1200	1500
Depth	mm	715	715	715
Height	mm	1950	1950	1950
Usable work surface				
Width	mm	900	1100	1400
Depth	mm	500	500	500
Internal height of work area	mm	950	950	950
Working sash height	mm	400		
Worktop height from floor	mm	750		
Weight				
Net Weight	Kg	230	270	320
Electrical data				
Voltage	V	240		
Hertz	Hz	50		
Power supply		Pre-wired to junction box. Mains supply via 2 metre long flexible lead with standard 13Amp plug for connection to docking station		
Filtration				
Pre-filter		Polyester filter media roll		
Main filter		Activated carbon – education blend		
Airflows				
Design face velocity	m/s	0.4	0.4	0.4
Materials				
External carcass		Mild steel epoxy coated		
Vision panels		5mm toughened glass		
Worktop		Trespa Toplab		
Baffles		Trespa Toplab		
Lighting		Twin fluorescent light tubes		
Services				
Power sockets		1 No. Double Switched Socket – RCD protected		
Mechanical service taps		1 No. Water and 1 No. Gas		
Control panel		Push button to control ON/OFF, lights and fan. Audible and visual alarm		

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QUALITY STATEMENT

Since 2004, Total Containment Solutions (TCS) has been manufacturing premium, bespoke fume cupboards for industrial laboratories, universities, schools and colleges in the UK and Ireland. Our engineers and production team are committed to the highest standards of excellence, meeting the requirements of ISO 9001:2015 and operating on Lean principles. As part of Envair Technology, we can also offer access to a full portfolio of clean room and containment solutions.



SERVICE AND MAINTENANCE

To ensure a lifetime of trouble-free use, we offer a comprehensive 12 month service contract. This will ensure your fume cupboard remains compliant with the latest regulatory requirements, and that staff and pupils are protected at all times. Please ask us for details.



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