

Fixed Recirculating

EDUCATIONAL FUME CUPBOARD



Fume Containment

Extract dangerous fumes when ducting is difficult

Fixed recirculating fume cupboards from TCS are designed to be placed in a permanent position in classrooms and prep rooms where installing ductwork is problematic, for instance in listed buildings.

The unit re-circulates air back into the laboratory via an integral fan unit and carbon filter, rather than exhausting to atmosphere. 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 COSHH regulations. In a prep room environment, the carbon filter replacement would typically be more regular due to a higher level of use and exposure to concentrated chemicals over time.

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.



Fixed recirculating fume cupboard for school classrooms and labs where ducting is difficult

KEY FEATURES

- Fixed and levelled in position
- Integral 25kg carbon filter
- Protective pre-filter
- No fumes to atmosphere
- 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

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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	2070	2070	2070
Usable work surface				
Width	mm	900	1100	1400
Depth	mm	500	500	500
Internal height of work area	mm	1070	1070	1070
Working sash height	mm	400		
Worktop height from floor	mm	750		
Weight				
Net Weight	Kg	180	220	270
Electrical data				
Voltage	V	240		
Hertz	Hz	50		
Power supply		Pre-wired to junction box mounted at high level. Mains supply required: 240V 13A fused spur		
Filtration				
Pre-filter		Polyester filter media roll		
Carbon 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		
Ductwork connection (PVC)		Not applicable for recirculating units		
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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Available with glazed side panels for whole class demonstrations

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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