

Semi-Mobile

DUCTED EDUCATIONAL FUME CUPBOARD



Fume Containment

Inspire larger classes with 360° demonstrations

For GCSE or other large chemistry classes, TCS' semi-mobile ducted educational fume cupboards enable demonstrations where students can view the experiment from all angles. The unit is on castors and can be moved up to 2m before being locked into position using a docking station. When lessons are over, it can be moved back against a wall.

The docking station is a robust lockable enclosure housing water, gas, drainage and power connections which allow quick-release connections when the semi-mobile fume cupboard is moved.

For student safety, this fume cupboard provides 100% exhaust to the atmosphere by PVC ductwork and a remote fan unit, and removes any concerns about filter degradation over time after usage. You can also benefit from low running costs as it doesn't require annual filter replacements or consumable changes.

All of 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.



The semi-mobile ducted educational fume cupboard allows safe chemistry experiments in the classroom

KEY FEATURES

- Mobile and lockable in position
- 360 degree visibility
- Integral high level lighting
- Airflow control panel
- RCD protected double socket outlet
- Remote operated gas outlet

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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. Mains supply via 2 metre long flexible lead with standard 13Amp plug for connection to docking station		
Airflows				
Design face velocity	m/s	0.4	0.4	0.4
Exhaust volume	m ³ /s	0.16	0.2	0.25
Materials				
External carcass		Mild steel epoxy coated		
Vision panels		5mm toughened glass		
Worktop		Trespa Toplab		
Baffles		Trespa Toplab		
Lighting		Twin fluorescent light tubes		
Underbench storage cupboards (lockable)		Mild steel epoxy coated		
Ductwork connection (PVC)		Ø200mm		Ø250mm
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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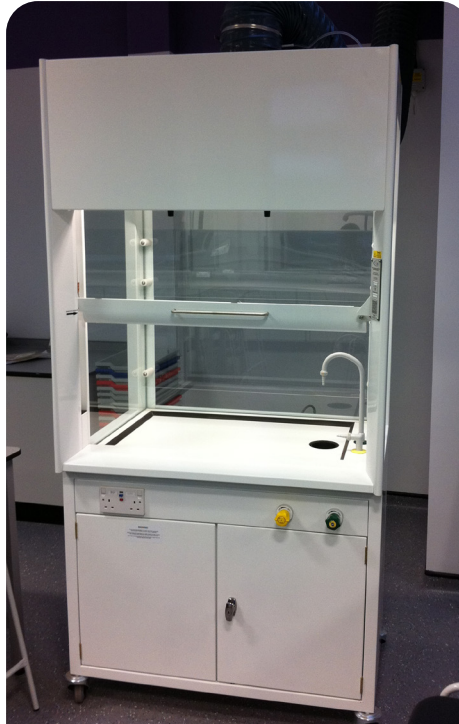
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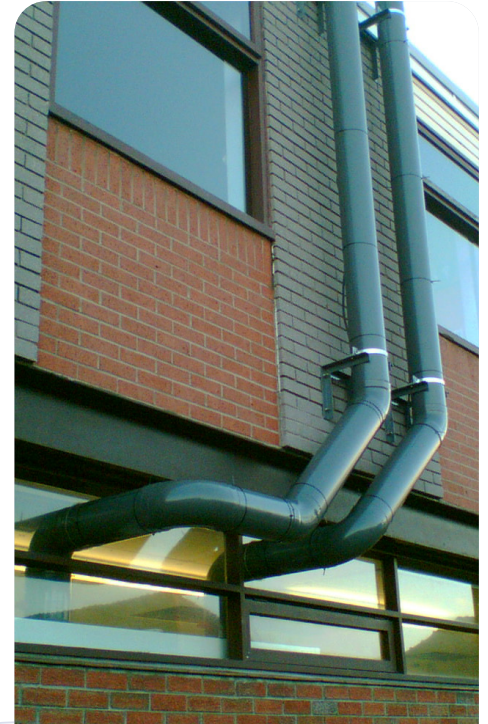
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The fume cupboard can be moved up to 2m before being locked into position using a docking station



Students can view experiments from all angles



Harmful fumes are extracted to atmosphere via PVC ductwork

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.



FS 753783

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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