



Radius Profile Fume Cupboard



ISO 9001
ISO 14001
ISO 45001





High Performance Radius Profile Fume Cupboard

This tough, state-of-the-art fume cupboard range delivers ultra-containment.

The smooth, curved inlet eliminates air eddies in the internal chamber. It meets the requirements of BS EN 14175, and independent testing has confirmed the highest level of containment currently claimed by any fume cupboard manufacturer: a Robustness of Containment Protection Factor (PFR) of >4,500,000 for all widths at 0.5 m/s face velocity.

The High Performance Radius Profile fume cupboard is designed to be customised to individual applications. It is ideal for large quantities of mechanical and electrical services. Choose bespoke features, services and materials to perfectly accommodate your process requirements.

It has full-access, removable service panels and a hinged drop-down upper panel for quick, easy maintenance and inspection.

All This as Standard

- 6mm toughened glass sliding sash
- Sash stop device at 400 or 500 mm for operator safety
- Fire resistant twin skin shell
- Interior liners & baffles from Trespa® TopLab® BASE solid grade laminate
- Increased viewing height of 825 mm
- Increased chamber height of 1300 mm
- Hinged lower aerofoil for cable entry
- Flush membrane control panel
- 316-grade stainless steel tissue guards
- Excellent containment levels
- Energy-efficient, long life LED flat panel lighting
- External carcass constructed from polyester powder-coated zintec steel
- 12-month free warranty



Controls

- Advanced programmable control panel
- Alarms for air velocity, sash high, and fan operation
- Alarm levels reported on the display
- BACnet MS/TP and Modbus RTU available

Servicing

- A Clean Air service includes much more than simply face velocity testing – ask us for details
- Full service and maintenance packages available
- Options to lock in prices
- Highly trained test engineers
- Never over-run your test date with our free test scheduling service
- Most makes and models of fume cupboard serviced



Fume cupboard independently tested
to BSEN14175

Customise to your application

- Bench-mounted, distillation, walk-in, & height adjustable models
- Variable Air Volume (VAV) technology for energy efficiency, Constant Air Volume (CAV), and Low Flow designs
- Bespoke and larger size units are available on request – tell us your preferred dimensions
- Recirculating carbon-filtered systems where ductwork cannot be installed
- Automatic sash closure with PIR presence sensor
- Automatic fire suppression system (dry powder, CO₂, or foam)
- Worktops from Cast epoxy, Trespa® TopLab® PLUS, ceramic, stainless steel, polypropylene or PVC-u
- Broen, Vacuubrand and Spectrolab services
- Drip cups, wall-mounted recessed drip cups, and sinks
- Standard single socket outlets, commando socket outlets, data sockets and emergency stop button
- Alternative sash configurations including framed sash, framed sash with horizontal sliding glass panels, split sash, triple sash and combination sash systems
- Internal liners from Trespa® solid grade laminate, PVC-u, polypropylene, or stainless steel
- Scaffold bosses (polypropylene or stainless steel) and scaffold frames
- Polypropylene tissue guards
- Standard steel storage cupboards, polypropylene acid storage cupboards, fire-rated solvent storage cupboards or vac pump cupboards
- Pass through ports in side panels or from front panel into the chamber
- Anti-shatter film for glass panels
- Colour matching to your branding in RAL colours



Clean Air Radius Profile Fume Cupboard

Technical Specification

Standard	Units	Units	
External Depth	900mm	Internal Depth (Sash to Baffle)	655mm
External Height	2375mm	External Height (With Sash Fully Open)	2540mm
Duct Connection Height	2185mm	Internal Chamber Height	1300mm
Standard Operating Sash Opening Heights	400mm or 500mm	Maximum Sash Opening Height (To install equipment)	740mm
Power Supply Required	1ph - 32A		

Specific						Units
External Width	1200	1500	1800	2000	2400	mm
Volume Internal Chamber & Sash Opening width	900	1200	1500	1700	2100	mm
Volume @ 0.3 m/s face velocity, 400 mm sash opening	0.13	0.17	0.22	0.24	0.30	m ³ /s
Volume @ 0.35 m/s face velocity, 400 mm sash opening	0.15	0.20	0.25	0.29	0.35	m ³ /s
Volume @ 0.4 m/s face velocity, 400 mm sash opening	0.17	0.23	0.29	0.33	0.40	m ³ /s
Volume @ 0.5 m/s face velocity, 400 mm sash opening	0.22	0.29	0.36	0.41	0.50	m ³ /s
Volume @ 0.3 m/s face velocity, 500 mm sash opening	0.16	0.22	0.27	0.31	0.38	m ³ /s
Volume @ 0.35 m/s face velocity, 500 mm sash opening	0.19	0.25	0.32	0.36	0.44	m ³ /s
Volume @ 0.4 m/s face velocity, 500 mm sash opening	0.22	0.29	0.36	0.41	0.50	m ³ /s
Volume @ 0.5 m/s face velocity, 500 mm sash opening	0.27	0.36	0.45	0.51	0.63	m ³ /s
Power consumption (excluding sockets), 240V, 50Hz 1ph	46	46	64	64	64	Watts

