

EN-FUME CUPBOARD in accordance with EN14175

air-flow & sash high monitor

The control panel, fitted at eye level in the side stile, monitors the airflow and safe working opening of the sash.



worktop airfoil

Air flowing into the fume cupboard is guided via the worktop airfoil to ensure non turbulent flow over the worktop to the rear baffles.



double sash

The double sash ensures it does not rise above the fume cupboard when in the fully open position. This also allows the fume cupboard to be installed in rooms with a low ceiling height.



storage space

A range of underbench units are available for low level storage including options for materials of construction, locks, ventilation etc.



airflow baffles

Baffles, in solid grade laminate, ensure thorough purging of fume from the worktop. They also ensure an optimum and constant inflow of air via the sash.



The bypass grille ensures a constant face velocity into the fume cupboard when the sash is raised or lowered.

bypass



... for greater safety and efficiency !

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extraction 1

The duct connector can be supplied in uPVC or PP, the size varying according to the volumetric flow rate.

explosion trap 2

If an explosion occurs inside the fume cupboard, a trap in the soffit of the fume chamber will open upwards. This ensures the force of the explosion is minimised via the sash.

lighting 3

The light is fitted with twin fluorescent tubes and is installed above the fume chamber soffit on an explosion proof and gas sealed glass panel.

bypass 4

The bypass grille ensures a constant face velocity into the fume cupboard when the sash is raised or lowered.

double sash 5

The double sash ensures it does not rise above the fume cupboard when in the fully open position. This also allows the fume cupboard to be installed in rooms with a low ceiling height.

air-flow & sash high monitor 6

The control panel, fitted at eye level in the side stile, monitors the airflow and safe working opening of the sash.

sash handle 7

The aluminium profile sash handle with red epoxy powder coating finish has a central stainless steel handle. To the side is fitted a lock that restricts the sash to a 500 mm working opening. Both the free-moving mechanism of the sash as well as the sash lock release can be operated with one hand.

worktop airfoil 8

Air flowing into the fume cupboard is guided via the worktop airfoil to ensure non turbulent flow over the worktop to the rear baffles

storage space 9

A range of underbench units are available for low level storage including options for materials of construction, locks, ventilation etc.

air-flow baffles 10

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... for greater safety and efficiency

The main requirement we kept in mind when designing the EN-fume cupboard was ensuring its reliability and safe service. The worktop airfoil, the aerodynamic side stiles, the design and dimensions of the baffles were all specifically designed to prevent turbulence which can lead to fume being emitted from the fume cupboard in the direction of the user. Because of the double sash, a large part of the fume cupboard is glazed, offering a clear view of equipment in the fume cupboard.

... unlimited possibilities and flexibility

The mechanical and electric services on the horizontal control panel can be quickly extended or replaced.

The storage unit under the control panel can be fitted with drawer units, cupboards with sliding doors, safety storage cabinets, etc.

Depending on the use of the fume cupboard, worktops are available in epoxy resin, solid grade laminate, ceramic tiles, stainless steel, polypropylene, etc.

The fume cupboards can be provided with ceiling infill panels.

Extraction systems can serve an individual fume cupboard or a number of fume cupboards.

test results EN14175-3

fume cupboard 1240
extract rate: 480m³/h

fume cupboard 1540
extract rate: 600m³/h

fume cupboard 1840
extract rate: 720m³/h

	fume cupboard 1240 extract rate: 480m ³ /h	fume cupboard 1540 extract rate: 600m ³ /h	fume cupboard 1840 extract rate: 720m ³ /h
inner measurement*	no detectable emission of test gas from the fume cupboard	no detectable emission of test gas from the fume cupboard	no detectable emission of test gas from the fume cupboard
outer measurement*	no detectable emission of test gas from the fume cupboard	no detectable emission of test gas from the fume cupboard	no detectable emission of test gas from the fume cupboard
robustnesstest	0,19	0,45 - 0,56	0,31 - 0,37

* values measured in test laboratory

