F-LOW *fume cupboard*

in compliance with EN14175.

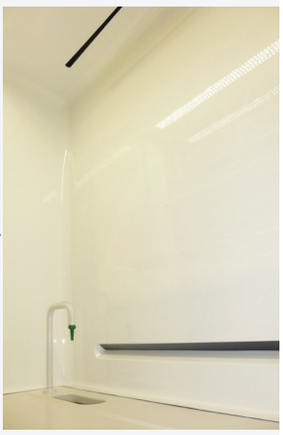
Internal lining is fabricated in chemical resistant polyester. More chemical resistant than melamine or laminate.

low flow

The energy consumption of a fume cupboard can bring about high costs. Thanks to the new concept of the F-LOW, the energy saving is approximately 40% compared to traditional fume cupboards.

hygiene

The internal lining is finished in chemical resistant polyester with rounded edges. These rounded edges and the absence of baffles create a larger internal space that is seamless and easy to clean.



sash

The sash and the counter balance system are located in one removable element which makes installation and maintenance very easy.

security

Extra security because the sash has double safety so that the sash still functions in case of a broken cable.

extra internal space

Extra internal space thanks to the new extraction system without baffles.

explosion trap

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

Energy saving LED strips with a high light output are fitted. These strips are sparkless and thus there is no risk of explosion.

worktop airfoil

The airfoil provides an efficient extraction at worktop level.

double sash

Because of the double sash in laminated safety glass, the sash doesn't rise above the fume cupboard in either working or set-up position which makes it possible to install the fume cupboard in rooms with a low ceiling.

air-flow control

The control panel at eye level in the side stile, confirms safe operation and warns the user in case of an unsafe work situation.

sash handle

The aluminium profile sash handle has a central stainless steel handle. A lock restricts the sash to a 500mm working opening, which can be overridden for set-up. Both the free-moving mechanism of the sash as well as the sash lock release can be operated with one hand.

spoiler

The spoiler ensures an optimal extraction on worktop level.

storage space

A range of underbench units are available for low level storage according to the customer's wishes. The underbench can be ventilated.

F-LOW *fume cupboard* | *in compliance with*

In the development of this new fume cupboard we kept these objectives in mind:

¬ Lower energy consumption by optimising the extraction.
¬ Safety for the user.
¬ Maximum possible sash opening and internal space.
¬ Minimum possible seams, edges and unreachable spaces.
¬ Optimal, stable and silent working of the sash.
¬ Elegant appearance.

RESULTS IN TESTHOUSE	FUME CUPBOARD 1240MM	FUME CUPBOARD540MM 365	FUME CUPBOARD1840MM
flow rate	300 m³/h (=0,17m/sec)	m³/h (=0,15m/sec)	400m³/h (=0,14m/sec)
outer measurement	no detectable emission	no detectable emission	max 0,04 ppm
robustness	0,19-0,25 ppm	0,40-0,49 ppm	0,46 - 0,57 ppm
flow rate	585 m³/h (=0,3m/sec)	750 m³/h (=0,3m/sec)	920 m³/h (=0,3m/sec
outer measurement	no detectable emission	no detectable emission	no detectable emission
robustness	0,05-0,12 ppm	0,20-0,24 ppm	0,14-0,15 ppm
flow rate	975 m³/h (=0,5m/sec)	1245 m³/h (=0,5m/sec)	1465 m³/h (=0,5m/sec)
outer measurement	no detectable emission	no detectable emission	no detectable emission
robustness	no detectable emission	no detectable emission	0,01-0,02 ppm

VAV			
flow rate	585 m³/h (0,3m/sec)	750 m³/h (=0,3m/sec)	920 m³/h (=0,3m/sec)
containment	no detectable emission	no detectable emission	no detectable emission
flow rate	975 m³/h (0,5m/sec)	1245 m³/h (=0,5m/sec)	1465 m³/h (=0,5m/sec)
containment	no detectable emission	no detectable emission	no detectable emission