Enclosure

Application

They apply for the same uses as fume hoods, additionally providing a physical barrier for noise reduction. They make it possible to confine extensive work areas, avoiding cross-contamination between different analytical techniques. Recommended for evacuating non-toxic fumes and heat from the work area to avoid dispersion to the laboratory atmosphere. Not recommended for use with toxic compounds emitting ionising radiation, concentrated acids with a high thermal load or pathogens.

Safe Product

It is presented in standard modulations of 900-1500 mm, with three configuration options: Sash, hinged or sliding. It incorporates lighting and a start-stop control on the side. From an energy consumption point of view, we recommend the VAV version, which is available in variable flow and constant flow versions.

Models

1. E. Hinged

2. E. Sash

3. E. Sliding

Materials

- Made of 40 x 40 mm anodised aluminium structural profiles, panelled with bi-laminate glass and a high pressure laminated roof resistant to chemical agents.

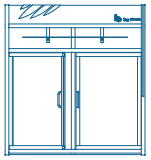
Optional accessories

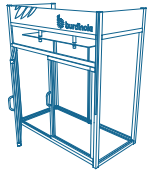
- VAV easy control for individual installations.
- VAV control with a valve for groups of fume cupboards.
- Ceiling finish.
- Cable glands.
- Storage under benches.

**For more details, see the chapter on "Accessories for fume cupboards".*

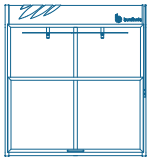
Drawings

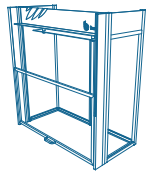
E. Hinged



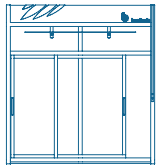


E. Sash





E. Sliding



Technical data

External dimensions	
Width (mm)	900 I 1.200 I 1.500 I 1.800 (*)
Depth (mm)	740 I 890
Height (mm)	1.600
Interior height (mm)	1.390
Open measurements	
Hinged doors	900 I 1.200 I 1.500 I 1.800
Offset sash window	800 I 750
Sliding windows	1.050

All dimensional data Tolerance: +/- 5 mm.

(*)Hinged enclosure not available for 1800 mm modules.

Details / Accessories

Image of finish to ceiling

Imagen of cowling on bench with underbench storage

Technical Characteristics

Models	C 900	C 1200	C 1500	C 1800
Frame	Frames made of 40 x 40 mm aluminium sections. It does not have a lower frame - this will correspond to the support bench.			
Interior of the cabinet	3 + 3 mm laminated glass for the sides. Rear and ceiling made of high pressure laminate (HPL).			
Hinged / sliding doors	Sash made of 3+3 mm bi-laminar safety glass.			
Sash Door	2 doors made of 2 + 2 mm bi-laminate safety glass.			
No. of sashes	1			
Services				
Lighting	20 W IP 65 LED			
Start / Stop	Capacitive actuation to start extraction.			
Optional services	Ceiling finish.			

Technical Installations

Models	C 900	C 1200	C 1500	C 1800
Height of the extraction outlet from the ground (mm) Considering enclosure on a bench 900 mm high	2.350			
Diameter of the extraction outlet (mm) (*)	1 x Ø250	1 x Ø250	1 x Ø250	1 x Ø250
Control	ECC01			
Recommended flow rate (**)	Minimum of 150 renovations/hour.			
Maximum pressure in the duct	600Pa.			
Electricity	The installation of shielded hoses and super-immunised protection is recommended for the feed to a enclosure or group of enclosures.			

(*) The diameters of the outlet may vary depending on the installation.
(**) The flow rate data provided refers to the manufacturer's recommendation, based on experience in the use of this type of ventilated element. This data should not be used for HVAC design calculations without having previously made a calculation adjusted to the user's specific usage procedure.