

BECOME W fume cupboards



Application

The BECOME W fume cupboard is intended for general use in the laboratory. Specifically designed for full access of large apparatus or tests to be carried out on mobile tables or on the floor. Not recommended for use with compounds emitting ionising radiation, concentrated acids with a high thermal load or pathogens.

Safe Product

Range certified under European standard EN 14175 parts 2, 3 and 6 Aerodynamic design that makes it possible to obtain optimum results for containment and energy efficiency. Large useful interior capacity with a cabinet which is 2,315 mm high inside. Available for installation with individual or shared ventilation, with optimised VAV systems.

Models



1. BECOME W

Materials

- Resistant to Chemical Stress: Standard with the best quality on the market in terms of materials, interior lining made of HPL high pressure compact laminate with a coating of urethane acrylic resistant to chemical agents.
- Resistant to Mechanical Stress: Great robustness provided by side structural elements.

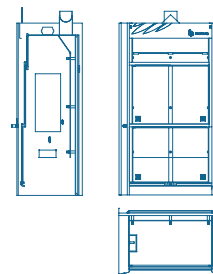
Optional Accessories

- Motorised sash.
- VAV control with a valve for a group of fume cupboards.
- Power sockets inside.
- Side window.
- Pass box.
- Cable glands.

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

Drawings

BECOME W



Technical data

External dimensions

Width (mm)	1.500 1.800 2.100 2.400 2.700
Depth (mm)	950
Height (mm) (*)	2.500

(*) Minimum recommended laboratory height for BW: 3000 mm See lower heights.

Interior dimensions

Width (mm)	1.200 1.500 1.800 2.100 2.400
Depth (mm)	740/620
Height (mm)	2.315

All dimensional data Tol: +/- 5mm.

Technical Characteristics

Models	BW 1500	BW 1800	BW 2100	BW 2400	BW 2700
Frame	Estructuras laterales realizadas en tubo de acero con tapas chapa, con recubrimiento de resina poliéster. Estructura inferior.				
Interior of the cabinet	Laminado compacto de alta presión HPL de 6mm con recubrimiento de uretano acrílico. Resistente al impacto, la humedad, ataque químico y antibacteriana según norma DIN ES ISO 10545-13 y DIN EN ISO 10545-14. Reacción al fuego B-s2-d0 según EN 438-7.				
Sash	Quillitina de vidrio de seguridad, vidrio bilaminar 3+3mm.				
No. of sashes (BW/ BW Low)	2				
No. of Horizontal Rails	4			8	
No. Support for scaffold	9			12	
Maximum load per busbar support (kg) (*)	5				

(*) Load considered at a distance of 100 mm from the support. Higher support loads on the worktop.

Services (**)

LED lighting (20W)	1	2	2	3	3
230V/16A IP55 power sockets	4				
Magneto-thermal protection	1 x 16A				

Optional services (**)

Sink	300 x 120 x 111 mm made of PP.				
Water tap with remote control	Acid-resistant handle with identification code in accordance with EN 13792. Brass body and EPDM seal. Maximum working pressure of 10 bar.				
Combustible gas tap with remote control	Acid-resistant handle with identification code in accordance with EN 13792. Taps with safety lock. Brass body, ceramic seal with a nitrile gasket. Maximum working pressure of 07 bar.				
Instrumental gas tap with remote control	Acid-resistant handle with identification code in accordance with EN 13792. Brass body, fine adjustment valve, PTFE shut-off. Acid-resistant epoxy powder coating.				
Pressure reducers for instrumental gasses	Compact design, brass body, with shut-off and control valve and pressure display. Maximum input pressure of 20bar, output pressure of 1,0bar to 8bar. Optional tap for fine tuning.				
Pressure reducers for corrosive gasses	Compact design, stainless steel body, with shut-off and control valve and pressure display. Maximum input pressure of 20bar, output pressure of 1,0bar to 8bar. Optional tap for fine tuning.				
Power sockets (***)	Socket voltage 230 V - 16 A.				
	Socket voltage 230 V - 13 A.				
	Computer socket.				
	Telephone socket.				
	Voice and data socket.				

Thermal-magnetic cut-outs	16 A single-phase thermal magnetic circuit breaker.				
	16 A three-phase thermal magnetic circuit breaker.				
	20 A single-phase thermal magnetic circuit breaker.				
	20 A three-phase thermal magnetic circuit breaker.				
Socket power (**)	Single-phase power socket (3 poles) 230 V - 16 A.				
	Single-phase power socket (3 poles) 230 V - 32 A.				
	Three-phase power socket (5 poles) 400 V - 16 A.				
	Three-phase power socket (5 poles) 400 V - 32 A.				
Start / stop for accessories in fume cupboard	Start / stop switch.				
	Emergency stop button.				

(**) The services will be located on the side panels, the configuration will be carried out according to the needs of each customer. Power socket models will be adjusted to the regulations in each country
(***) Optionally, electrical outlets will be installed inside the fume cupboard with an externally-operated safety keypad.

Technical Installations

Models	BW 1500	BW 1800	BW 2100	BW 2400	BW 2700
Height of the extraction outlet from the ground (mm) BW	2.670				
Diameter of the extraction outlet (mm) (*)	1 x Ø200	1 x Ø250	1 x Ø250	1 x Ø250	1 x Ø250
Fume Cupboard Control	EO25.				
Test flow rate (**)	350 m ³ /hx mln.				
Maximum pressure in the duct	600Pa.				
Electricity	The installation of shielded hoses and super-immunised protection is recommended for the feed to a fume cupboard or group of fume cupboards.				

(*) The diameters of the outlet may vary depending on the installation

(**) The flow rate data provided refers to that obtained in the tests in accordance with EN14175 part 3, taking the limit values set by the German conglomerate BG Chemie and the French research institute INRS as a reference for containment. It must not be used to calculate the dimensions of ducts or the HVAC system. Check nominal flow rates.