

BECOME RG fume cupboards



Fume cupboard for use with radionuclides generating gamma type ionising emissions, for medium and high radiotoxicity. Interior cabinet made of fibreglass and finished in polyester, with rounded corners to facilitate possible decontamination. The radiation shield is reinforced against ionising radiation by the addition of a 2.5 mm thick layer of lead. Front shield (mobile window) in 10 mm leaded glass, overlapping the work area to ensure safety. It has peepholes which allow the user access, without the need for a vertically opening sash window. Not recommended for concentrated mineral acids, solvents or pathogens. Triple filter set which combines an carbon filter with absolute filters, with an efficiency of 99.99%. Equipped as standard with a fixed flow system and frequency converter.

Note: The fume cupboards for handling radium isotopes are outside the scope of the normal fume cupboard standard.

Models



1. BECOME RG

Materials

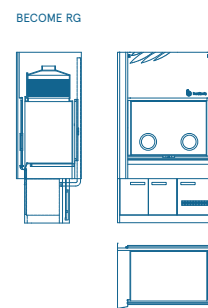
- Made of smooth materials that are easy to clean. Suitable for facilitating possible decontamination.
- Interior cabinet made of a single piece of fibreglass and polyester.
- Sash made of 10 mm leaded glass.
- Resistant to Mechanical Stress.

Optional accessories

- Filtration equipment.
- Storage under the fume cupboard.

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

Drawings



Technical data

External dimensions

Width (mm)	1.500
Depth (mm)	950
Height (mm) (*)	2.500

(*) Minimum recommended laboratory height for B RG: 3,000 mm See lower heights.

Dimensiones internas

Width (mm)	1.115
Depth (mm)	700
Height (mm)	900

All dimensional data Tol: +/- 5mm.

Technical data

Work dimensions	
Work height (mm)	900
Maximum operational height (mm) (*)	0
Recommended distance from sash (area directly behind the sash) (mm)	150
Recommended free space between bulky equipment and the interior walls of the fume cupboard (mm)	100
Recommended elevation of large equipment over the surface of the worktop (mm)	25 to 50

* When working, keep the sash closed. Only use the vertical sash to insert or remove objects from the fume cupboard

Technical Characteristics

Models	BRG 1500
Frame	Side frames made of steel pipe, with sheet metal lids, coated with polyester resin. Lower frame.
Interior of the cabinet	The interior cabinet is made of a seamless mould, reinforced with fibreglass and finished with white Gelcoat. Reinforced against ionizing
Sash	Leaded glass sash with an equivalence of 1.5 mm in lead.
No. of sashes	1
No. of Horizontal Rails	0. There are two openings incorporated for the arms.
Services (**)	
230 V / 16 A IP55 power sockets (**)	4
Magneto-thermal Protection	1 x 16A
Optional services (**)	
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 gases	Compact design, brass body, with shut-off and control valve and pressure display. Maximum input pressure of 20 bar, output pressure of 1.0 bar to 8.0 bar. Optional tap for fine tuning.
Pressure reducers for corrosive gases	Compact design, stainless steel body, with shut-off and control valve and pressure display. Maximum input pressure of 20 bar, output pressure of 1.0 bar to 8.0 bar. Optional tap for fine tuning.

Power sockets (***)	Socket voltage 230V - 16A.
	Socket voltage 230V - 13A.
	Computer socket.
	Telephone socket.
Thermal-magnetic cut-outs	Voice and data socket.
	16A single-phase thermal magnetic circuit breaker.
	16A three-phase thermal magnetic circuit breaker.
	20A single-phase thermal magnetic circuit breaker.
Socket power (**)	20A three-phase thermal magnetic circuit breaker.
	Single-phase power socket (3 poles) 230V - 16A.
	Single-phase power socket (3 poles) 230 - 32A.
	Three-phase power socket (5 poles) 400V - 16A.
Start / stop for accessories in fume cupboard	Three-phase power socket (5 poles) 400V - 32A.
	Start / stop switch.
	Emergency stop button.

(**) The services will be located on the side and front panels, the configuration will be carried out according to the needs of each customer. 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	BRG 1500
Height of the extraction outlet from the ground(mm) BRG	2.490
Diameter of the extraction outlet (mm) (*)	1 x Ø200
Fume Cupboard Control	EO 25 (For details, see the chapter on accessories).
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.