

# Biosafety cabinets



## Application

The biosafety cabinet is designed to work with level 1, 2 and 3 pathogens, providing protection to the product, the operator and the environment. These cabinets are independently tested and certified by TÜV Nord to ensure they comply with the EN 12469 standard for Class II biosafety cabinets. It meets the main requirements of NSF 49/ANSI 49 (Class II A2), JIS K3800, SFDA YY-0569 y AS2252.

- Front inclined 10° to improve the work position.
- Sealing gasket for the front glass.
- Sliding and tilting front glass driven by external pneumatic pistons that facilitate interior maintenance and cleaning and allow the insertion of bulky elements and accessories into the chamber.
- Microprocessor control with self-compensation for filter clogging.
- Control panel with international colour coding indicating the status of the cabinet.
- Main screen providing the laminar flow rate and status of filter clogging.
- Ecomode function.
- Timer and time programmer for U.V. and fans.

## Models



1. Biosafety Cabinet

## Materials

- 304L stainless steel chamber with rounded corners and tempered glass sides.
- Laminated, anti-reflective front glass with U.V. protection, with no visual obstructions on the lower edge.

## Optional accessories

- Additional electrical connections.
- Gas and vacuum connections.
- U.V. germicide kit.
- VHP decontamination kit.
- Double HEPA filter (in accordance with BS 5726).

## Measurements

Models	BIO II A 3	BIO II A 4	BIO II A 6
Exterior dimensions (with no support bench) (mm)	1.049x759x1.260	1.354x759x1.260	1.964x759x1.260
Interior dimensions (mm)	954x605x587	1.259x605x587	1.869x605x587

## Characteristics

Models	BIO II A 3	BIO II A 4	BIO II A 6
Front opening height (mm)	200		
Laminar flow speed (m/s)	0,35		
Laminar flow rate (m <sup>3</sup> /h)	669	882	1,310
Front air intake speed (m/s)	0,5		
Extraction flow rate (m <sup>3</sup> /h)	295	402	620
Power (Kw)	1,2	1,3	1,8
Lighting (lux)	≥1.000		
Noise (dBA)	≤58		
Filters	H14 filters as per EN1822 efficiency of 99.995% MPPD and 99.999% (DOP).		
Air quality	ISO 4 as per ISO CD 14644-11 (353 part≥0,5µm/m <sup>3</sup> 10.000 part≥0,5µm/m <sup>3</sup> ).		