



BIOLOGICAL SAFETY CABINET A2-G

Model BSC 700II Class II

CHARACTERISTICS

- CLASS II Biological safety cabinet, according to EN 12469 standard.
- Work area and work surface made of stainless steel AISI 304. The work surface has a well for easy cleaning.
- Front panel of multi-layer doubling toughened glass.
- Recycled air is filtered through an absolute HEPA H14 filter (99.995% MPPS efficiency EN 1822 Standard) and is sent to the work area at a speed of $0.45 \text{ m/s} \pm 0.1$.
- Partial re-circulation of air according to regulations: 30% exhaust and 70% re-circulation.

Exhausted air is filtered by a separate absolute HEPA H14 filter (99.995% efficiency MPPS EN 1822 Standard), especially for such purpose.

- Work area maintains laminar flow conditions with ISO 4 type air purity (according to ISO 14644) or Class 10 (according to Fed. Std. 209).
- Protection barrier in the work area with a speed greater than 0.6 m/s.
- Cabinet controlled by microprocessor with updateable FLASH memory and double display: one external and the other internal (work area) for easy visualisation of the cabinet control parameters (speeds, flows, plenum pressure, expulsion barriers, etc...)
- The cabinet has an easy to use tactile panel with a security key for control of white / ultraviolet illumination, internal electricity connection, gas valve and parameters.



- Automatic electronic system regulating motor speed to adapt to progressive filter saturation and protection conditions.
- Alarms for detecting problems in the impulsion system and the negative pressure protection barrier and opening of doors.
- Illumination may be fluorescent or ultraviolet.
- Working voltage 220 V. 50 Hz. Maximum electricity consumption 4A (approx. 800 w.).
- The cabinet includes U.V. light as a standard feature; 220 volt electricity connection.

Optional accessories:

- Gas connection with electronically controlled valve.
- Vacuum connection.



HEADQUARTERS

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DELEGATIONS

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BIOLOGICAL SAFETY CABINET A2-X

Model BSC 700 Class II

TECHNICAL CHARACTERISTICS

MODELO	BSC-700IIA2-G
Working Zone Dims (mm)	600 x 500 x 540 (W x D x H)
Overall Dims (mm)	700 x 650 1230 mm (W x D x H)
Package Size (mm)	900 x 700 x 1400 (W x D x H)
Net Weight	70
Material	Work area and work surface made of stainless steel AISI 304
Control System	Cabinet controlled by microprocessor with updateable FLASH memory
Display	VFD display
Main filter	HEPA H14 filter with 99,995 % efficiency at 0,3µm
Exhaust filter	HEPA H14 filter with 99,995 % efficiency at 0,3µm
Intake Airflow velocity	0,53 m/s
Laminar flow speed	0,33 m/s
Air Circulation	70%
Air Exhaust	30%
Front Sash	Sliding, made of multi-layer toughened glass
Clean Level	Class 10
Noise Level	≤ 60 db
Vibration	≤5 µm rms when the frequency is from 10 Hz to 10 kHz
Lighting	≥ 680 lux
UV lamp	15 W *1
Power resource	220 v, 50/60 hz
Power	800 W
Compliance	NSF 49, EN 12469

REFERENCES FOR ORDERS

Código	Descripción
425-BSC-700IIA2-G	Biological Safety Cabinet Class II C10 MOD. BSC-700IIA2-G AAF



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