

BIOLOGICAL SAFETY CABINET CLASS II A2

Models BSC-N 1100/1300/1500/1800/2000
Models BSC-NG 1300 with side glass

General Specifications

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 and collection of liquids with a capacity no less than 4000 ml and one drain valve collecting under collecting tank and it is convenient for cleanliness.
- 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 $0.50 \text{ m/s} \pm 0.1$.
- 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 0.50 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...)



ModelS BSC-N XXXX A2-X

- 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 6A (approx. 1300 w.).
- The cabinet includes U.V. light as a standard feature; 220 volt electricity connection.

HEAD QUARTER

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DELEGATIONS

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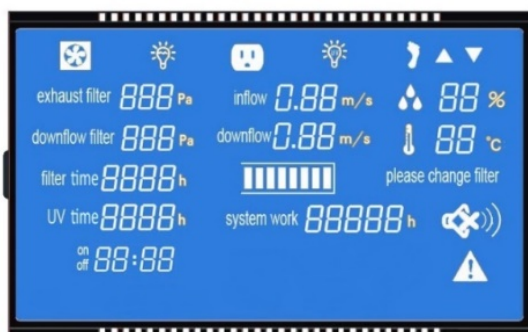
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Advantages

- Biological safety Cabin Class II according to UNE EN 12469-2000 and also meets the main NSF requirements 49 (class II type A2/B3) and BS 5726/:2005
- LCD Display. All visible Features In the Screen (laminar flow, barriers, temperature, humidity, filter silting, etc...)
- Remote Control. All the functions of the cabin can be controlled within six meters of distance, in order to protect the user in case of emergency.
- Ergonomically tested, thanks to the noise level which is less than 50 dBA, below the level required by Regulation 65 dBA.
- Wide, curved armrest provides comfort in the forearm in any working position.
- Monitoring and adjustment of the silting of the filters minimizing the cost of substitution of these.
- Extraction of all data using your USB system.



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Optionals Accesories

- The options and accessories you can request are:
- Plenum for extra filter, double HEPA filtration in the extraction for extra safety when the unit expels air in the laboratory.
- Third stage active carbon filtration for aerosols with additional active carbon filter for the elimination of volatile chemical compounds and odours. There are different types of active charcoal.
- Bell-Type connection (canopy) for safe extraction.
- Formaldehyde vaporizer for decontamination.
- Vaporizer for formaldehyde neutralization.
- Connector decontamination by hydrogen peroxide and/or formaldehyde.
- Non-return valve.
- Solenoid valve for gas spigot, controlled from cabin panel.
- Sockets for gas , Vacuum, Air,....
- Support table.
- Work surface divided into three sections (excludes liquid retention).
- Side crystals, **only BSC-NG-1300 model**.



Hood for extraction



Non- return valve



Plenum for extra filter



Peroxide conector



Vaporizer for formaldehyde neutralization

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BIOLOGICAL SAFETY CABINET CLASS II A2

Models BSC-N 1100/1300/1500/1800/2000

Technical Specifications

MODEL	BSC-1100IIA2-X	BSC-1300IIA2-X	BSC-1500IIA2-X	BSC-1800IIA2-X	BSC-2000IIA2-X
Working Zone Dims (mm)	940 x 600 x 660	1150 x 600 x 660	1350 x 600 x 660	1700 x 600 x 660	1800 x 600 x 660
Overall Dims (mm)	1100 x 750 x 1480	1300 x 750 x 1500	1500 x 750 x 1500	1873 x 775 x 1540	1950 x 800 x 1540
Support table dims (mm)	1100 x 750 x 760	1300 x 750 x 760	1500 x 700 x 760	1880 x 700 x 760	1950 x 700 x 760
Package Size (mm)	1250 x 1050 x 1870	1450 x 1050 x 1870	1640 x 1040 x 1860	1940 x 1050 x 1960	2090 x 1050 x 1860
Net Weight (KG)	255	305	350	390	420
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	> 0,50 m/s				
Laminar flow speed	0,25 m/s --- 0,50 m/s				
Air Circulation	0,7				
Air Exhaust	0,3				
Front Sash	sliding by electronic control, double layer toughened glass				
Clean Level	Class 10 --- ISO 4				
Noise Level	≤ 50 db				
Lighting	≥ 1500 lux				
UV lamp	1 X 18 W	1 X 18 W	1 X 30 W	1 X 40 W	1 X 40 W
Collecting tank	≥ 4000 ml, fitted with draining valve				
Compliance	NSF 49, UNE EN 12469, UNE EN 13485, EN 61010				
Power	220 v, 50 h z± 10%				
Maximum consumption without plugs	300 W	400 W	700 W	1000 W	1200 W
Working consumption	150 W	200 W	250 W	300 W	400 W
Reduced consumption	18 W	18 W	30 W	40 W	40 W
Consumption allowed with plugs	1000 W	1000 W	1000 W	1000 W	1000 W

Ordering Information

Ref.	Description
425-BSC-N-1100IIA2-X	Biological Safety Class II C10 Mod. BSC-N-1100IIA2-X (70 - 30 %)
425-BSC-N-1300IIA2-X	Biological Safety Class II C10 Mod. BSC-N-1300IIA2-X (70 - 30 %)
425-BSC-N-1500IIA2-X	Biological Safety Class II C10 Mod. BSC-N-1500IIA2-X (70 - 30 %)
425-BSC-N-1800IIA2-X	Biological Safety Class II C10 Mod. BSC-N-1800IIA2-X (70 - 30 %)
425-BSC-N-2000IIA2-X	Biological Safety Class II C10 Mod. BSC-N-2000IIA2-X (70 - 30 %)

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Model BSC-NG 1300

With side glass

Technical Specifications

MODEL	BSC-NG-1300IIA2-X
Working Zone Dims (mm)	1150 x 600 x 660
Overall Dims (mm)	1300 x 750 x 1500
Table Dims (mm)	1300 x 750 x 680
Package Size (mm)	1450 x 1050 x 1870
Side glasses	YES
Net Weight	305
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 = 0,50 m/s
Laminar flow speed	0,25 m/s - 0,50 m/s
Air Circulation	70%
Air Exhaust	30%
Front Sash	sliding by electronic control, double layer toughened glass
Clean Level	Clase 10
Noise Level	≤ 50 db
Lighting	≥ 1500 lux
UV lamp	1 X 18 W
Power resource	220 v, 50 h z± 10%
Compliance	NSF 49, EN 12469
Maximum consumption without plugs	400 W
Working consumption	200 W
Reduced consumption	18 W
Consumption allowed with plugs	1000 W

Ordering Information

Ref.	Description
425-BSC-NG-1300IIA2	Biological Safety Class II C10 Mod. BSC-N-1300IIA2-X (70 - 30 %) side glasses



Model BSC-NG 1300

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