



BIOLOGICAL SAFETY CABINET CLASS II B2-X

Models BSC 1100 / 1300/1500 /1800

CHARACTERISTICS

- CLASS II B2 Biological safety cabinet, total exhaust.
- Work area and work surface made of stainless steel AISI 304.
- Front panel of multi-layer doubling toughened glass and motorized.
- 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 $0.45 \text{ m/s} \pm 0.1$.

- Re-circulation total of air according to regulations: AIR EXHAUST 100%.

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 0.5 m/s .

- Cabinet controlled by microprocessor with updateable FLASH memory and LCD display 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 110 /220 V. 50/60Hz. Maximum electricity consumption 6A (approx. 1300 w.).
- The cabinet includes U.V. light as a standard feature; 2 X sockets 220 volt electricity connection.

- Table support.

Optional accessories:

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



HEADQUARTERS

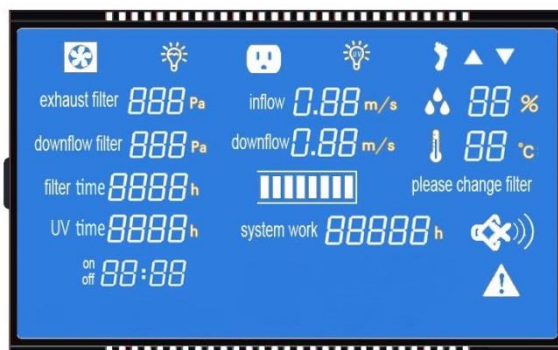
José Echegaray, 8 Local 1-3
28100 – Alcobendas – Madrid - Spain
Tel. +34 916 624 473 Fax.+34 916 624 469
www.tdi.es ventas@tdi.es

DELEGATIONS

Catalunya. Tel. +34 676 351 264
Galicia. Tel. +34 639 486 955
Andalucía. Tel. +34 639 481 756

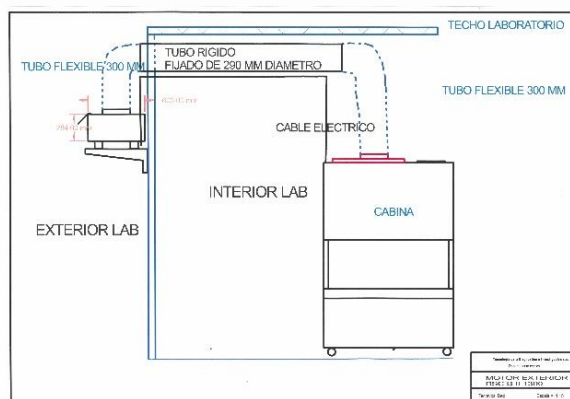
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CHARACTERISTICS

- ❖ Biological safety cabin CLASS II according to EN 12469-2000 and meets the main requirements NSF 49 (Class II type B2/B3) and BS 5726/:2005
- ❖ LCD display. All functions visible on the screen (laminarity, barriers, temperature, humidity, filter filling, etc...)
- ❖ Remote control. All cab functions can be controlled six meters away, so that the user can be protected in an emergency.
- ❖ Ergonomically tested, thanks to the noise level that is less than 45 dBA, below the level required by the 65 dBA regulation.
- ❖ Wide and curved armrests provide sunbed comfort in any working position.
- ❖ Monotorization and adjustment of filter filling minimizing the cost of replacing filters.



CABIN CONNECTION WITH EXTERNAL ENGINE

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TECHNICAL CHARACTERISTICS

MODEL	BSC-1100IIB2-X	BSC-1300IIB2-X	BSC-1500IIB2-X	BSC-1800IIB2-X
Work Area (mm)	940 x 600 x 660	1150 x 600 x 660	1350 x 600 x 660	1670 x 600 x 600
Exterior dimensions (mm)	1100 x 750 x 2250	1300 x 750 x 2250	1500 x 760 x 2250	1820 x 750 x 2250
Transport dimensions (mm)	1220 x 1000 x 1840	1460 x 1050 x 1800	1650 x 990 x 1800	1950 x 990 x 1950
Dim. ejection motor (mm)	824 x 695 x 383	824 x 695 x 383	824 x 695 x 383	824 x 695 x 383
Dim. motor transport (mm)	970 x 810 x 630	970 x 810 x 630	970 x 810 x 630	920 x 710 x 680
Weight (kg)	246	276	302	408
Material	Area de trabajo en acero inoxidable AISI 304. Cuerpo en acero pintado epoxy.			
Control system	Microprocessor			
Display	LCD display			
Main filter	HEPA H14 filter with 99,995 % efficiency at 0,3µm			
Output filter	HEPA H14 filter with 99,995 % efficiency at 0,3µm			
Barrier/Laminar Flow	0,53 m/s -- 0,33 m/s			
Air Recirculation	0%			
Air Ejected	100%			
Front glass	Motorized sliding front glass			
Air purity classification	Class 10			
Sound level	≤ 45 db			
Lighting	≥ 1000 lux			
Uv lamp	18 W x1	18 W x1	40 W x1	40 W x2
Power	220 v, 50/60 Hz± 10% ; 110 v, 60 Hz ± 10%			
Applied regulations	NSF 49, UNE EN 12469, UNE EN 13485, EN 61010			

REFERENCES FOR ORDERS

Código	Descripción
425-BSC-1100IIB2-X	Biological Safety Cabinet Class II C10 Mod. BSC-1100IIB2-X
425-BSC-1300IIB2-X	Biological Safety Cabinet Class II C10 Mod. BSC-1300IIB2-X
425-BSC-1500IIB2-X	Biological Safety Cabinet Class II C10 Mod. BSC-1500IIB2-X
425-BSC-1800IIB2-X	Biological Safety Cabinet Class II C10 Mod. BSC-1800IIB2-X



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