



BS 60
BIOSAFETY CHANGING STATION

- Ideal for rats
- Safety
- Ergonomically designed
- Double configuration Class 2 biosafety cabinet & cage changing (option)



*"This is the best solution for our needs:
a wide working area for rat cage changing
and absolute safety at the same time".*



LAMINAR FLOW



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*innovation through passion*SM



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BS60 Biosafety Changing Station

1/Large working area: ideal for rat cage change

The BS60 has a very large work area that allows the user to have sufficient space while changing cages without the edge of the glass obstructing freedom movement. This large area makes the BS60 ideal for rat cage change. The work surface is composed of three easily removable frames, built in sound-absorbent, anti-scratch and autoclavable material.

Height access opening: 290 mm / 11" 3/8.

2/Safety

Partial recirculation air flow: BS60 provides a safe cross-contamination free work area for handling animals and protects operator and environment from exposure to allergens by a very strong frontal air barrier.

3/Ergonomically designed

The opening access has a slanted glass panel, with an inclination of 10°; the main HEPA filter and the rear wall are also inclined, which allows a constant laminar flow without dead zones that create turbulences. The 10° inclination of the glass allows good visibility of the work surface and inside the cages.

4/Microprocessor controls

Soft touch electronic control with luminescent graphic display located in an easily accessible position. Thanks to the graphic display, a menu with diagnostics enables the operator to check the conditions of the HEPA filters and of the UV-C lamp and receive precise updates on scheduled maintenance, the established date of replacement and the date of the last DOP test carried out. The machine is provided with a control system with a microprocessor which automatically controls the velocity of the laminar air flow and of the air curtain and which constantly monitors the working condition of the cabinet. The alarms of the cabinet comply with EN 12469 norms.

5/Standard UV-C light

Integrated in the back of the unit; the UV motorized system opens the door of the UV-C lamp; it does not create turbulences in the laminar flow since it folds away into the rear of the wall, 90° to its previous position. The duration of the sterilization cycle may be programmed via the control panel.

6/Easy service and maintenance

The access to the Hepa Filters and to the motorblower is made easier by a removable panel. The electronic control card is not part of the contaminated area since it is located behind a panel which can be easily lifted thanks to gas springs.

* The pre-filters support is U-shaped, preventing dust from bypassing the pre-filters.

* BS60 is very easy to clean since all the inner and outer surfaces have rounded corners.

7/Auto lift

The electric auto lift allows ergonomic positioning for the user and makes the unit easy to transport through normal doorways; the lift system can be controlled easily by three buttons: up, down, and wheel level. The height of the work surface from the floor is adjustable from 675 mm / 26" 5/8 to 1040 / 41".

8/Double configuration version: Class 2 biosafety cabinet & cage changing (option)

BS60 is also available in a version designed for animal research laboratories and it is configurable by the operator for two different kinds of use. The operator, with the simple choice of the proper frames of the working area, can carry out cage changing operations or minor procedure in Class II Biohazard Configuration. When you change configuration in BSC2 mode, the height of the access opening is 250 mm / 10", complying with EN 12469 norms.

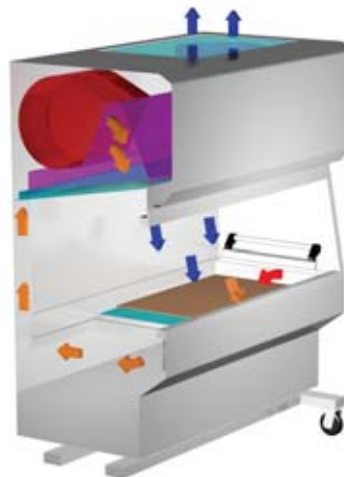
BIOHAZARD CONFIGURATION: Through the simple substitution of the removable frames of the working area, the cabinet automatically configures in class II BSC version, modifying the velocity of the frontal barrier so that it complies with EN 12469 norms for class II BSC. The work surface for BSC II configuration is composed of four stainless steel frames easily removable and autoclavable. The frames are available in two versions: solid or perforated.

CAGE CHANGING CONFIGURATION: The work surface for the cage changing is composed of two easily removable frames, built in soundabsorbent, anti-scratch and autoclavable material. In this configuration, the height access opening is 290 mm / 11" 3/8.

Large working area: ideal for rat cage change



Safety



Airborne Particulate Cleanliness Class ISO 5, according to ISO 14644-1. 60% of the air volume is re-circulated, 40% is exhausted.

■ Clean HEPA Filtered Air

■ Room Air

■ Mixed Room and HEPA Filtered Air

Ergonomically designed



Microprocessor controls

4



TECHNICAL SHEET

External dimensions (W x D x H):

1824 x 898 x 1986 mm.
71" 3/4 x 35" 3/8 x 78" 1/8.

Exhaust air volume:

800 m³/h.
471 cfm.

Chamber dimensions (W x D x H):

1486 x 535 x 690 mm.
58" 1/2 x 21" x 27" 1/6.

Noise level:

58 dB(A).

Access opening height:

290 mm - 11" 3/8 (Changing Configuration).
250 mm - 10" (BSC 2 Configuration).

Air velocity - downflow:

0.25-0.5 m/s.
49.21-98.43 ft/min.

Weight:

350 Kg.
771 lbs.

Air curtain velocity (cage changing configuration):

≥ 0.47 m/s.
≥ 92.50 ft/min.

HEPA filters efficiency H-14 EN 1822 (MPPS):

99.995%.

Air curtain velocity (BSC 2 configuration):

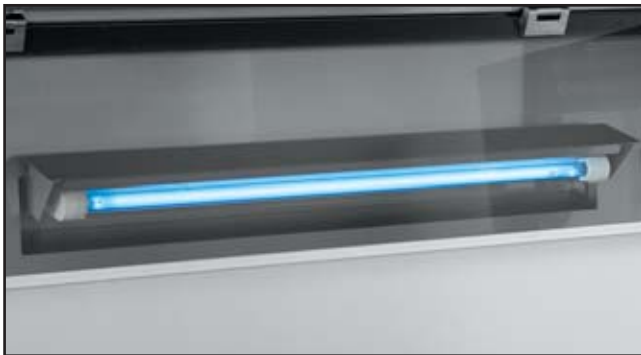
≥ 0.55 m/s.
≥ 108.30 ft/min.

Recirculation/Exhaust:

60%/40%.

Standard UV-C light

5



Auto Lift

7



Easy service and maintenance

6



Double configuration version: Class 2 biosafety cabinet & cage changing (option)

8



Accessories

- Thimble connection: this allows the BS48 to be thimble-ducted to the outside with minimal disturbance to the enclosure airflow. The Thimble provides an air gap to allow room air to enter the ductwork and mix with the filtered air being exhausted to the outside. Exhaust outlet is Ø 250 mm / Ø 10".
- Solenoid valve with gas tap.
- Compressed air tap.
- Vacuum tap.
- N₂ tap.
- Water tap.
- Additional power socket.
- Apus automatic atomizer for hand disinfection with sliding system.
- Stainless steel procedure table with perforated working surface.

Related Products

To maximise operational efficiency and learn more about these products contact your local representative.



Decontamination Lock. Full decontamination cycle, with 6 log reduction, in one hour all inclusive. The unit may be used with Vaporized Hydrogen Peroxide generators from different vendors, gaseous Chlorine Dioxide generators and for chemical fogging.



Sealsafe Plus RAT: high containment, protection from allergens, high density and practicality of use.



Logistic trolleys offer safety and ergonomic features that enable high load-density for moving cages and bottles, crates, pallets and covers.

 **TECNIPLAST**

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