

BSD 60

BIOSAFETY CHANGING STATION

- Mobile biosafety changing station
- Increased flexibility and comfort
- Excellent safety level
- Enhanced control panel
- High level cleanability
- Ergonomic design



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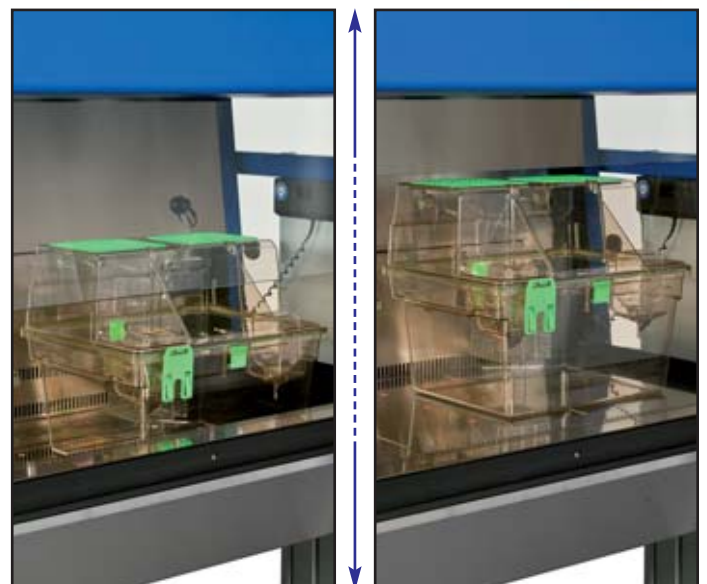
LAMINAR FLOW

BSD60 Biosafety Changing Station

Mobile Biosafety Changing Station



Increased Flexibility and Comfort



1/ Mobile Biosafety Changing Station

The BSD is designed for animal research laboratories to guarantee the protection of the operators from the inhalation of infectious particulates, dust, allergens and pathogens as well as excellent protection of the animals from contaminants by minimising the exposure to aerosols and ensuring environmental safety.

2/Increased Flexibility and Comfort

The BSD 60 is a cabinet with a large working area and an automatic sash window ideal for cages with a large footprint. It's configurable by the operator for two different kinds of use. By simply inputting a password the operator can carry out cage changing operations or microbiological activities in Class II Biohazard configuration.

An auto-lift working surface system helps the operator, during normal changing station procedures, to easily introduce and remove the cages. The textile plenum, the structures of the electric motors powering the fans on their anti vibration pads, the software itself designed to provide optimum air handling characteristics, all go to guarantee quiet operation of this silent safety cabinet, with sound-pressure levels recorded way below the parameters specified in the current EN:12469 European Standard for Microbiological Safety Cabinets.

3/Excellent Safety Level

The BSD 60, with its double centrifugal fans, provides total operator, product and environmental protection. The pressurized air driven into the plenum of the main motor-fan passes through the HEPA filters (H14) and then downwards, in a laminar flow (Class ISO 5, according to ISO 14644-1), into the working chamber (A). From here, through the perforated surface, having mixed with the external air (B) which enters the cabinet from the front opening, it is sucked through the pre-filters (G4 efficiency), into the intake up-channel situated at the rear of the work chamber (C). Part of the air is exhausted (D) through the exhaust HEPA filter (H14).

As air is extracted, fresh air from the outside (front barrier) flows in, ensuring the protection of the operator/environment from hazardous material manipulated in the work area.

The performances of the machine comply with the European and American standards of Class II biosafety cabinets.

4/Enhanced Control Panel

The machine is provided with an automatic regulation system to keep the airflow speed in the work chamber and the recycling air - extracted air ratio constant, even with the progressive clogging of the two HEPA filters, up to the maximum pressure the motor-fans are able to withstand. The soft-touch control panel is microprocessor-controlled with a display showing all relevant data such as operating functions and the various alarms and the error messages.

5/High Level Cleanability

The BSD 60 is very easy to clean since all the inner and outer surface have rounded corners. The unit is supplied with easy access pre-filters located in the rear of panel to prolong the lifespan and efficiency of the HEPA filters. The U-shaped pre-filter support prevents any escape of dust. The whole front of the safety cabinet - which includes the sash mechanism - can also be opened upwards in order to allow easy access for complete and effective cleaning and decontamination. The AISI 316 work surface consists of 4 frames which are easily removable for routine cleaning and/or autoclaving sterilization procedures.

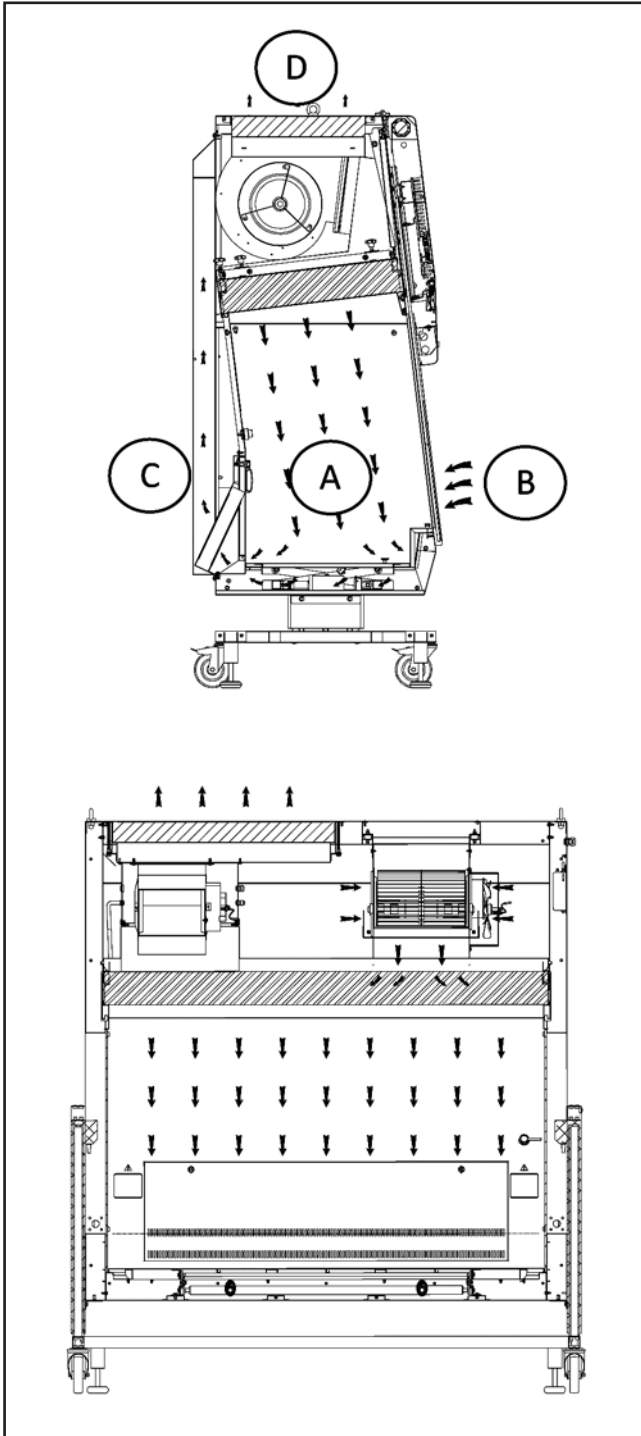
6/Ergonomic Design

The BSD 60 features:

- The angled sloping front safety-glass sash providing optimum visibility of all objects inside the working area.
- The automatic sash window can be completely closed and opened by pressing the appropriate touch sensitive keys or by pressing a foot switch (optional)
- The safety glass side-windows with the ideal positioning and sizing of the light-system provide the highest level of luminosity to the work area.
- The electronically controlled fluorescent lamps placed externally to the working area make for energy efficiency and provide optimal, uniform distribution of light over the work surface. A dimmer is available as a standard fitting to adjust the light intensity in case of manipulation of albino mice.
- An adaptive ergonomic design featuring adjustable working height. This creates a safe, comfortable and convenient work area which improves staff performance and productivity.
- An auto-lift working surface is available (optional) to make it easier to introduce and remove taller cages during the normal changing station procedures.

Excellent Safety Level

3



Enhanced Control Panel

4



TECHNICAL SHEET

Overall Dimension on Electrical Height Adjustable Floor Stand (W x D x H):
1787 x 885 x 1990/2391 mm • 70.35 x 34.84 x 78.34/94.13 inch

Chamber Dimensions (W x D x H):
1500 x 590 x 850 mm • 59.05 x 23.22 x 33.46 inch

Access Opening Height:
Changing Station: 320 mm • 12.6 inch
BSC: 250 mm • 9.84 inch

Maximum Access Opening Height:
450 mm • 17.7 inch

Weight:
390 kg • 859.8 lb

Electrical Supply:
230 V - 50/60 Hz • 100/115 V - 50/60 Hz

Control:
Microprocessor driven with control panel

Classification of Air Cleanliness:
ISO 5 according to ISO 14644-1

High Level Cleanability & Ergonomic Design

5&6



Related Products

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



DC72.
Allergen Containment
Solution for Double
Decker cage change.



Double Decker.
The ultimate 3D
rat group housing
system.



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