

Biosafety Cabinet





BSC900-IIA2-W

BSC1200-IIA2-W

BSC1500-IIA2-W

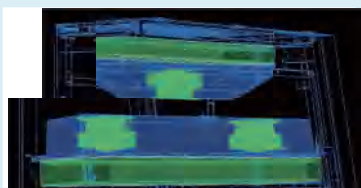
BSC1800-IIA2-W

✓ Scope of Application

The professional air purification equipment suitable for medical and health industries, scientific research laboratories of universities and colleges as well as other fields.

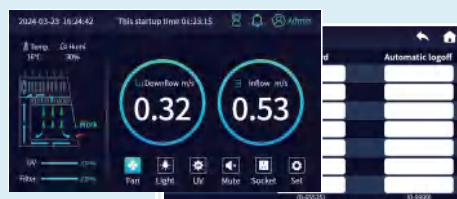
✓ Product Highlight

|| Intelligent Control ||



Cutting-edge Control Technology

Enhancing self-regulation of speed is crucial for ensuring a stable flow rate of both downflow and inflow. This improvement not only boosts safety but also increases durability. Additionally, the design of a DC centrifugal fan can achieve both low noise levels and high efficiency.



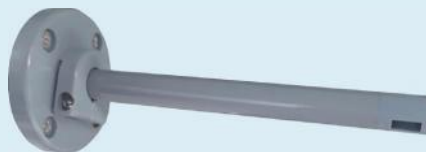
Touch Screen

The 7-inch LCD touch screen can dynamically display the parameters such as the downflow and inflow velocity, the remaining life of the UV light and filter, temperature and humidity, date/time, product usage status, etc.



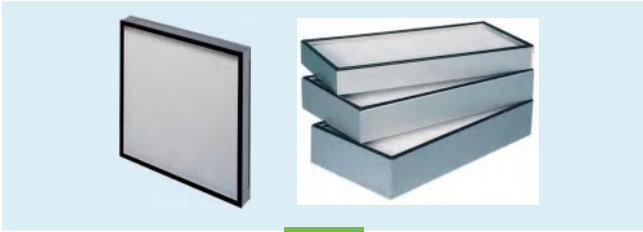
Brand Fan

The high-configuration, maintenance-free EBM independent fan features independently controllable the downflow and inflow velocity, resulting in improved stability of air velocity. Additionally reduces the failure rate of the fan and enhances the overall maintainability of the product.



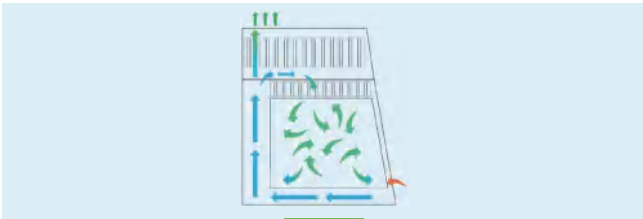
High-precision Wind Speed Sensor

Equipped with high-precision dual wind speed sensors which can detect the downflow and inflow airflow velocity in real time and accurately, ensuring the stable regulation of the airflow speed by the control system.



Ultra-efficient filtration

Using dual ultra-high efficiency ULPA filters, the cleanliness level meets ISO Class 3 standard
For solid particles with a diameter of $\geq 0.12\mu\text{m}$, the filtration efficiency is not less than 99.9995%.



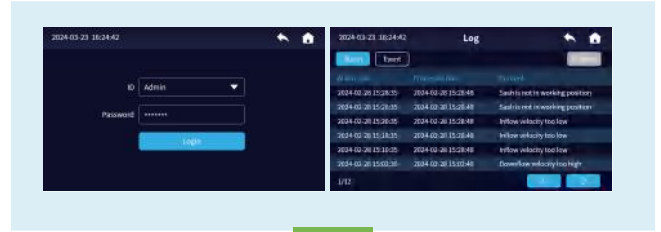
Fan Interlocking Function

When the downflow is unexpectedly disturbed, the fan can automatically control the inflow to ensure that no harmful substances leak out and ensure the safety of the operator's experiment.



Negative Pressure Leak Proof

The double-layer maintained under negative pressure, features rigorous cabinet leakage detection. The linkage between the door and fan induction guarantees that there is no pollution leakage during operation.



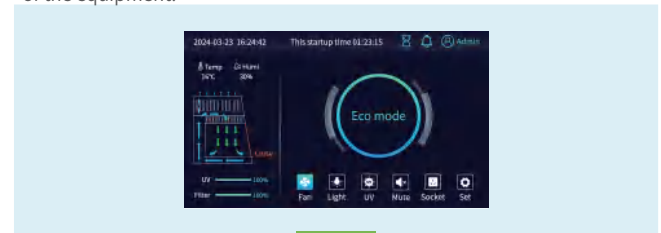
Safety Management

Administrator permissions can be set, parameters adjusted, and records queried to ensure optimal operation.
With 26 different types of sounds and pop-up alarms, significantly mitigate the risk of operational errors while consistently monitoring the safe use of equipment.



Socket protection

The socket has independent overload protection, which will not affect the operation of the air supply and exhaust system, ensuring the normal operation of the experiment, and can be freely set to shut down at a fixed time to meet the requirements of specific experiments for power on and off of the equipment.



Sash Monitoring

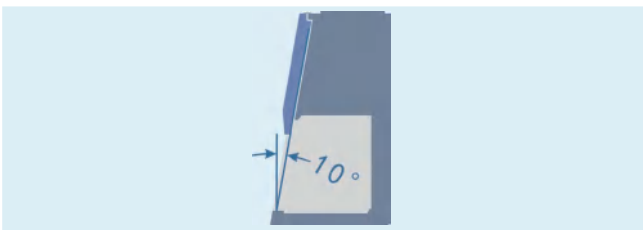
Sash down: the fan runs at a low speed and enters energy-saving mode;
Sash up: the fan rapidly adjusts its speed in accordance with the downflow and inflow, and shifts into working mode.



UV sterilization

The UV light is integrated with the door and lighting system, allowing for customizable settings for both the UV light reservation time and the sterilization duration.

Its cleverly concealed light tube design prevents direct exposure to users' eyes, while the UV intensity exceeds standard requirements by more than five times.



Ergonomic Design

The 10° tilted window design, combined with a full-body armrest, ensures a comfortable operation while effectively preventing any blockage of inflow and maintaining optimal airflow within the cabinet.



Fully Equipped

The setup includes a 304 stainless steel work surface, an adjustable support frame, drain spillage trough, a blowdown valve, and service interfaces. Additionally, it is equipped with a splash-resistant socket and casters, ensuring comprehensive functionality to meet diverse requirements in various operational scenarios.



Craft Aesthetics

The design of the appearance is characterized by a simple yet elegant aesthetic, showcasing exceptional craftsmanship.

Structural Diagram



Technical Parameters

Product model	BSC900-IIA2-W	BSC1200-IIA2-W	BSC1500-IIA2-W	BSC1800-IIA2-W
Cleanliness class	ISO class 3	ISO class 3	ISO class 3	ISO class 3
Filter efficiency	99.9995% @ 0.12 μm	99.9995% @ 0.12 μm	99.9995% @ 0.12 μm	99.9995% @ 0.12 μm
Downflow velocity	0.32m/s	0.32m/s	0.32m/s	0.32m/s
Inflow velocity	0.53m/s	0.53m/s	0.53m/s	0.53m/s
Noise	≤62dB(A)	≤62dB(A)	≤62dB(A)	≤62dB(A)
Average illumination	≥ 1000lx	≥ 1300lx	≥ 1500lx	≥ 1300lx
Weight	215kg	251kg	289kg	327kg
Fluorescent light specification and quantity	LED 9W*2	LED 18W*2	LED 23W*2	LED 23W*2
Uv light specification and quantity	40W*1	40W*1	40W*1	40W*1
External Dimensions (W*D*H)	1008*822*2088mm	1308*822*2088mm	1608*822*2088mm	1908*822*2088mm
Working area dimensions (W*D*H)	900*625*650mm	1200*625*650mm	1500*625*650mm	1800*625*650mm
Vibration/half peak value	≤5 μm	≤5 μm	≤5 μm	≤5 μm
Input power	1400VA	1600VA	1800VA	2000VA
Applicable number of persons	1	1~2	2	2~3

*The models, parameters and performance provided in this promotional material may change due to product upgrades.

*The product images in the promotional material may differ from the actual product. Please refer to the actual product when purchasing.



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