

Technical Specification

Model	BSC-1006IIA2	BSC-1306IIA2	BSC-1606IIA2	BSC-1806IIA2
	BSC-1006IIB2	BSC-1306IIB2	BSC-1606IIB2	BSC-1806IIB2
Nominal Size	1 meter (3")	1.3 meter (4")	1.6 meter (5")	1.8 meter (6")
Filtration Efficiency	99.9995%, @0.12μm / 99.995%, @0.3μm			
Filter Grade	U15 / H14			
Downflow Velocity	≥ 0.33m/s (64.96 fpm)			
Inflow Velocity	≥ 0.53m/s (104.33 fpm)			
Noise	≤ 65dB (A)			
Power Supply	AC220~240V, 1Φ, 50/60Hz			
Personel Protection	A. Total colony in impaction sampler ≤ 10CFU./time B. Total colony in slot sampler ≤ 5CFU./time			
Product Protection	Total colony in culture dish ≤ 5CFU./time			
Cross-contamination Protection	Total colony in culture dish ≤ 2CFU./time			
A2 Rated Power (without spare socket)	0.18kVA	0.22kVA	0.29kVA	0.33kVA
B2 Rated Power (without spare socket)	0.13kVA	0.18kVA	0.22kVA	0.29kVA
Weight	230kg	260kg	310kg	350kg
Work Dimension (WxDxH)	1004x630x660mm (39.5"x24.8"x26.0")	1304x630x660mm (51.3"x24.8"x26.0")	1604x630x660mm (61.3"x24.8"x26.0")	1804x630x660mm (71.0"x24.8"x26.0")
Overall Dimension (WxDxH)	1200x785x2050mm (47.2"x30.9"x80.7")	1500x785x2050mm (51.9"x30.9"x80.7")	1800x785x2050mm (70.9"x30.9"x80.7")	2000x785x2050mm (78.7"x30.9"x80.7")
Illumination	≥ 1000Lx			

*Ultrassay BioTech Co., Ltd. reserves the right of final interpretation of different specifications.

Application Scene



Product Series



Ultrassay BioTech Co., Ltd.

Add: RM3018 Poly D9, No. 999 Luzhou Avenue, Baohe District, Hefei, Anhui, China
Tel: +86-551-62881663
E-mail: info@ultrassay.com
Website: <https://ultrassay.com>

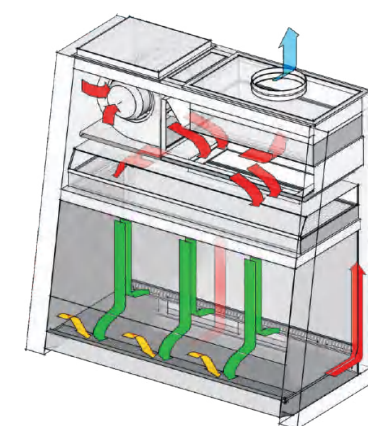


BSC-06 CLASS II A2/B2 BIOSAFETY CABINET

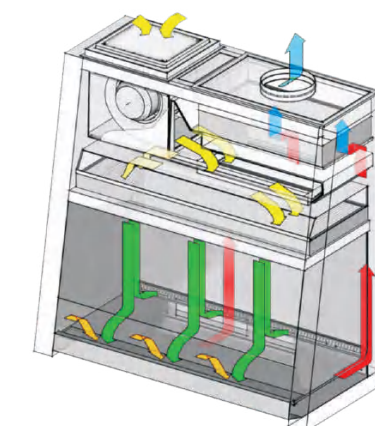
Good cost performance type Biosafety Cabinet.



Air Flow Pattern



II A2 Type



II B2 Type

■ Inflow air
 ■ Downflow air
 ■ Circulation air
 ■ Exhaust air

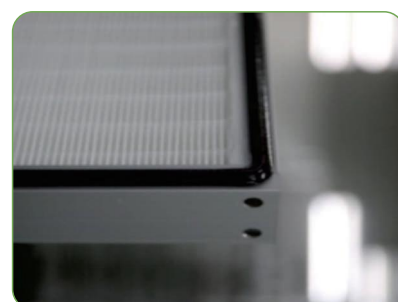


High grade steel with static powder coating, corrosion resistant ability. The paint is environmentally friendly and non-polluting, inhibiting the growth of bacteria.

High-quality steel plate one-piece molding front cover, beautiful and easy to clean, the internal heightened design provides more working space.

DC brushless constantly fan, efficient and energy-saving

- Unique fan fully digital speed system, accurately and effectively control the working state.
- CAV constant air technology and pressure air flow stabilization system, effectively ensure the safety cabinet is in a stable and safe working condition.
- Power is restored after a power failure, power-off protect memory function will make the Biosafety cabinet quick enter the operating mode.
- Accessed the risk, the fan selected the ECO mode. When all sliding windows are closed, the Biosafety cabinet will save 30% energy consumption.



Complete filtration system to ensure cleanliness and filtration efficiency

- H14/U15 HEPA/ULPA Filter meeting the EN1822-1 standard and strictly implement leakage testing.
- The USA HV Filter Medium is high efficiency, low pressure loss, high strength and high dust holding capacity, extends the life of the Filter.
- The polymer self-fluid shaped seamless closed-pore sealing ensures the integrity of the filter seal.
- Improved airflow pattern and uniformity in the front window area improves product and personnel protection.
- The built-in integrated grid paper blocking system can prevent medical waste or paper blow in to Biosafety Cabinet, pre-filter can be optional.

Humanized design, more comfortable to use

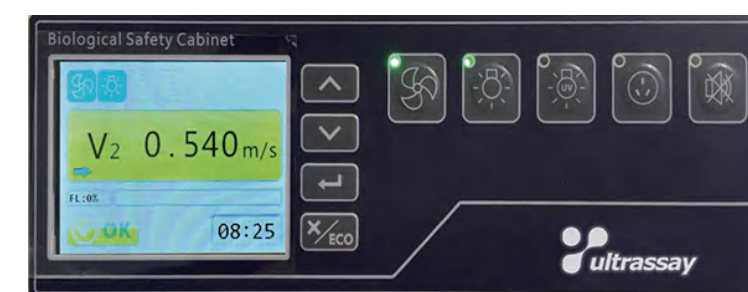
- The 8° sloped front make the operator comfortable and non-depressed.
- The wide-body arc-shaped armrest design ensures smooth air inflow and reduces the operator's fatigue.
- The working table is integrated SUS304, rounded corners easy to clean. With the table support system, it can easily fix the table and clean liquid tank.
- Adjustable height bracket meet the requirements of operators of different heights.
- The front-mounted UV lamp prevents operator from directly UV lamp damage.

* Type B2 Biosafety cabinet, no ECO mode for biosafety reasons.



Microcomputer control system

- Soft touch LCD color screen display.
- Real-time showing inflow & down air velocity and HEPA filter pressure.
- Safety status display and audible, visual and interlocking alarms.
- HEPA filter status display and alarm.
- Through the program setting, realize the UV lamp appointment timing on and off.

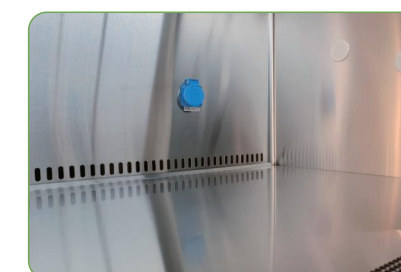


Unique sliding window position and lift system

- The 6mm thick UV safety glass front window has the advantages of maintenance-free and smoother lifting and positioning than the traditional counter weight lifting mode.
- Large glass window design, can be all cleaned without dead space, operation clearer without visual obstruction.

Traditional technology, intelligent alarm, safety guarantee

- Negative pressure surrounds the double-layer structure and the unique technology of "anti-leakage" and "unobstructed return air" to prevent the air flow of pollution factors.
- Real-time monitoring of the pressure life of inflow and downflow air filter. HEPA/ULPA filter used safely at the lifetime. When the lifetime approaching, alarm working.
- Alarm functions for the front window, fan failure, air flow velocity anomaly, air filter resistance, etc.
- Anti-leakage testing ensures no leakage under the condition of 500Pa.



Biosafety Standard	Electrical Safety Standard
YY 0569 GB 41918	GB 4793.1 GB/T 18268.1 EN 61010.1