

Class II A2 Biological Safety Cabinet



LCD Display

Large digital display is easy to monitor all the safety parameters at a glance and ergonomically sized control panel improves user interface.



Remote Control

All functions can be realized with it, making the operation much easier and more convenient.



Air-Vent

Only for BSC-1100IIA2-X and BSC-1500IIA2-X



Work Zone

Work zone, made of 304 stainless steel, is surrounded by negative pressure.



Footmaster Caster

Universal caster with brake and leveling feet.



Front Window

Two-layer laminated toughened glass > 5mm, anti UV



Foot Switch

Adjust front window height by foot during experiment, to avoid airflow turbulence caused by arm movement.



UV Lamp

Emission of 253.7 nanometers for most efficient decontamination.



Waterproof Socket

2 waterproof sockets are located in the side wall, for optimum convenience of using small devices inside the cabinet.

ADVANTAGE

1. Motorized front window.
2. Time reserve function.
3. HEPA filter life and UV life indicator.
4. Automatic air speed adjustable with filter block.
5. With memory function in case of power-failure.
6. Audio and visual alarm (Abnormal airflow velocity; Filter replacement; Front window at unsafe height).
7. Work area surrounded by negative pressure, it can ensure maximum safety in work area.
8. Audio and visual alarm (Filter replacement, window over height, abnormal air flow velocity etc).
9. Remote control: all functions can be realized with it, making the operation much easier and more convenient.
10. Interlock function: UV lamp and front window; UV lamp and blower, LED lamp; blower and front window.
11. Foot switch: adjust front window height by foot during experiment, to avoid airflow turbulence caused by arm movement.

TECHNICAL PARAMETERS

| Model | BSC-1100IIA2-X | BSC-1300IIA2-X | BSC-1500IIA2-X | BSC-1800IIA2-X | BSC-2000IIA2-X |
|------------------------|--|-------------------|-------------------|---------------------------|---------------------------|
| Internal Size(W*D*H) | 940*600*660mm | 1150*600*660mm | 1350*600*660mm | 1700*600*660mm | 1800*600*660mm |
| External Size(W*D*H) | 1100*750*2250mm | 1300*750*2250mm | 1500*750*2250mm | 1873*775*2290mm | 1950*800*2170mm |
| Tested Opening | Safety Height 200mm(8") | | | | |
| Max Opening | 420mm(17") | 420mm(17") | 500mm (20") | 550mm(22") | 400mm(16") |
| Inflow Velocity | 0.53±0.025 m/s | | | | |
| Downflow Velocity | 0.33±0.025 m/s | | | | |
| HEPA Filter | Two, 99.999% efficiency at 0.3µm. Filter life indicator. | | | | |
| Front Window | Motorized. Two-layer laminated toughened glass ≥ 5mm. Anti UV. | | | | |
| Noise | EN12469 ≤ 58dB / NSF49 ≤ 61dB | | | | |
| UV Lamp | 30W*1 | 30W*1 | 40W*1 | 40W*1 | 40W*1 |
| | UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination. | | | | |
| Illuminating Lamp | LED lamp 12W*2 | LED lamp 12W*2 | LED lamp 16W*2 | Fluorescent lamp 16W*2 | Fluorescent lamp 16W*2 |
| Illumination | ≥1000Lux | | | | |
| Consumption | 760W | 800W | 900W | 900W | 1500W |
| Waterproof Sockets | Two, total load of two sockets: 500W | | | | |
| Display | LCD display: exhaust filter and downflow filter pressure, filter and UV lamp working time, inflow and downflow velocity, filter life, humidity and temperature, system working time etc. | | | | |
| Control System | Microprocessor | | | | |
| Airflow System | 70% air recirculation, 30% air exhaust | | | | |
| Visual and audio alarm | Abnormal airflow velocity; Filter replacement; Front window at unsafe height. | | | | |
| Material | Work Zone: 304 stainless steel Main Body: Cold-rolled steel with anti-bacteria powder coating. | | | | |
| Work Surface Height | 750mm | | | | |
| Caster | Footmaster caster | | | | |
| Power Supply | AC220V±10%, 50/60Hz; 110V±10%, 60Hz | | | | |
| Standard Accessory | Illuminating lamp, UV lamp*2, Base stand, Remote control, Foot switch, Drain valve, Waterproof sockets*2 | | | | |
| Optional Accessory | Water and gas tap, Electric height adjustable base stand | | | | |
| Gross Weight | 243kg | 280kg | 316kg | 395kg | 420kg |
| Package Size(W*D*H) | 1220*1000*1840mm | 1460*1050*1800mm | 1630*1000*1820mm | 2000*950*1820mm | 2090*1050*1860mm |