# Class II B2 Biological Safety Cabinet

## ADVANTAGE

1. Larger angle of view, easy to operate and more humanized.
2. Motorized front window.
3. ULPA filter life and UV life indicator.
4. Time reserve function.
5. With memory function in case of power-failure.
6. Self-locking button switch to solve the trouble of losing the key.
7. 7 inch Large touch screen with Intelligent control system: Operators can check detailed status of the cabinet, such as inflow and downflow velocity, work area temperature and humidity, filter pressure, UV working time and filter working time, filter life indicator etc.
8. Audio and visual alarm (filter replacement, window over height, abnormal air flow velocity, etc. High filter pressure alarm ).
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, fluorescent 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-1100IIB2-Pro | BSC-1500IIB2-Pro | BSC-1800IIB2-Pro |
|---|---|---|---|
| External Size (W*D*H) | 1100*750*2250mm | 1500*840*2275mm | 1800*840*2275mm |
| Internal Size (W*D*H) | 940*600*660mm | 1300*670*630mm | 1600*670*630mm |
| Tested Opening | Safety Height 200mm(8") | | |
| Max Opening | 420 mm (17") | 500mm (20") | 480mm (20") |
| Inflow Velocity | 0.53±0.025m/s | | |
| Downflow Velocity | 0.33±0.025m/s | | |
| ULPA Filter | Two, 99.9995% efficiency at 0.12μm, filter life indicator. | | |
| Front Window | Motorized, two-layer laminated toughened glass ≥ 6mm, anti UV | | |
| Noise | ≤ 67dB | | |
| UV Lamp | 30W*1 | 40W*1 | 40W*1 |
| | UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination. | | |
| Illuminating | LED lamp | | |
| Lamp | 12W*2 | 16W*2 | 16W*2 |
| Illumination | ≥1000Lux | | |
| Consumption | 1050W | 1270W | 1800W |
| Waterproof Sockets | Two, total load of two sockets: 500W | | |
| Display | 7 inch touch screen 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 | 0% air re-circulation, 100% air exhaust | | |
| Alarm | Abnormal airflow velocity; Filter replacement; Front window at unsafe height; High filter pressure alarm. | | |
| Exhaust Duct | 4 meters PVC duct, Diameter:300mm | | |
| Material | Work Zone: 304 stainless steel | | |
| | Main Body: Cold-rolled steel with anti-bacteria powder coating | | |
| Work Surface Height | 750mm(Size can be customized according to requirements) | | |
| Caster | Footmaster caster | | |
| Power Supply | AC 220V±10%, 50/60Hz; 110V±10%, 60Hz (110V/60Hz is not applicable to BSC-1800IIB2-Pro) | | |
| Standard Accessory | Illuminating lamp, UV lamp*2, base stand, remote control, foot switch, exhaust blower, exhaust duct, drain valve, waterproof sockets*2, pipe strap*2 | | |
| Optional Accessory | Water and gas tap, Electric height adjustable base stand | | |
| Gross Weight | 240kg | 325kg | 420kg |
| Package Main Body | 1250*990*1770mm | 1650*990*1820mm | 2000*1075*1910mm |
| Package Exhaust Blower (W*D*H) | 930*800*690mm | 930*800*710mm | 920*710*680mm |



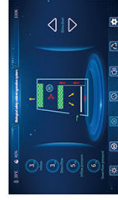### LCD Display
7 inch touch screen display is easy to monitor all the safety parameters at a glance and ergonomically sized control panel improves user interface.
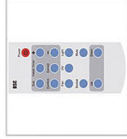
### Work Zone
Work zone, made of 304 stainless steel, is surrounded by negative pressure.

### UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

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

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

### Front Window
Two-layer laminated toughened glass>6mm, Anti UV

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

### Footmaster Caster
Universal caster with brake and leveling feet