



## Pro Series Class II A2 Biological Safety Cabinet



**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.



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



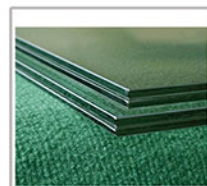
**Air-Vent**



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



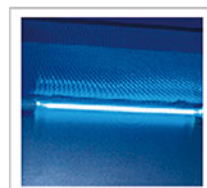
**Footmaster Caster**  
Universal caster with brake and leveling feet.



**Front Window**  
Two-layer laminated toughened glass >6mm, 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. The operation perspective is wide and more humanized.
2. Time reserve function.
3. ULPA filter life and UV life indicator.
4. Motorized front window.
5. With memory function in case of power-failure.
6. Audio and visual alarm (Abnormal airflow velocity; Filter replacement; Front window at unsafe height; High filter pressure alarm ).
7. Self-locking button switch to solve the trouble of losing the key.
8. 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.
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-Pro   | BSC-1300IIA2-Pro | BSC-1500IIA2-Pro | BSC-1800IIA2-Pro |
|------------------------|--|------------------|------------------|------------------|
| External Size(W*D*H)   | 1100*750*2210mm  | 1383*750*2310mm  | 1500*760*2160mm  | 1873*780*2310mm  |
| Internal Size(W*D*H)   | 940*600*660mm  | 1210*600*660mm   | 1400*600*660mm   | 1700*600*660mm   |
| Tested Opening         | Safety Height 200mm(8")  |                  |                  |                  |
| Max Opening            | 420mm(17")   | 500mm (20")      | 460mm(18")       | 520mm(21")       |
| Inflow Velocity        | 0.53±0.025 m/s   |                  |                  |                  |
| Downflow Velocity      | 0.33±0.025 m/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*2  | 30W*2            | 40W*2            |                  |
|                        | UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination.  |                  |                  |                  |
| Illuminating Lamp      | LED lamp   |                  |                  |                  |
|                        | 12W*2  | 12W*2            | 12W*2            | 16W*2            |
| Illumination           | ≥1000Lux   |                  |                  |                  |
| Consumption            | 600W   | 1300W            |                  |                  |
| 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         | 70% air recirculation, 30% air exhaust   |                  |                  |                  |
| Visual and audio alarm | Abnormal airflow velocity, Filter replacement, Front window at unsafe height, High filter pressure alarm.  |                  |                  |                  |
| Material               | Work Zone: 304 stainless steel<br>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           | AC220V±10%, 50/60Hz; 110V±10%, 60Hz  |                  |                  |                  |
| Standard Accessory     | LED lamp*2, 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, Armrest, chair   |                  |                  |                  |
| Gross Weight           | 265kg  | 340kg            | 363kg            | 430kg            |
| Package Size(W*D*H)    | 1250*990*1770mm  | 1540*1080*1910mm | 1640*980*1830mm  | 2000*1075*1910mm |