

# Pro Series Class II B2 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.

E-mail: [export@biobase.com](mailto:export@biobase.com)  
[www.biobase.cc](http://www.biobase.cc) / [www.biobase.com](http://www.biobase.com)



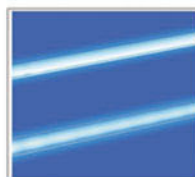
**Work Zone**  
Work zone, made of 304 stainless steel, is surrounded by negative pressure.



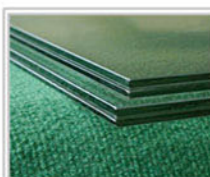
**Remote Control**  
All functions can be realized with it, making the operation much easier and more convenient.



**Anti-paper dust structure**



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



**Front Window**  
Two-layer laminated toughened glass ≥ 6mm, Anti UV



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



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



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



**Worktop Holder Usage Diagram**

## ADVANTAGE

1. Color key display: large screen, more clear and dynamic display of various values of the safety cabinet, and has the function of appointment timing.
2. Automatically adjust the wind speed.
3. With power-failure memory function, the state before power-failure will be restored after power-on, and there will be visual prompts and alarms.
4. The integrated design of the operation area makes it easy to disassemble and clean.
5. The cabinet is separated from the base. The height of the adjustable base can be customized.
6. Interlocking function: UV lamp and front window; UV lamp and fan, LED lamp; fan and front window.
7. It has the function of appointment timing, which can automatically set the time of starting and shutting down the safety cabinet and the running time of ultraviolet lamps, fans and sockets.
8. The front window closes the double trigger signal, so that the sterilization and disinfection function of the ultraviolet lamp is normally turned on.
9. The negative pressure air duct is equipped with a foreign matter filtering structure to prevent foreign matter such as paper scraps from entering the fan system and affecting the normal operation of the product.
10. The front window glass has a one-key lift function
11. The one-piece hand resting surface has a larger contact area with the arm and is more comfortable.

## TECHNICAL PARAMETERS

Model	BSC-1100IIB2-Pro	BSC-1500IIB2-Pro	BSC-1800IIB2-Pro	
External Size(W*D*H)	1100*750*2255mm	1500*770*2290mm	1875*795*2280mm	
Internal Size(W*D*H)	940*600*655mm	1350*600*660mm	1700*600*660mm	
Tested Opening	Safety height 200mm(8")			
Max Opening	420mm(17")	500mm(20")	480mm(20")	
Inflow Velocity	0.53±0.025m/s			
Down Flow 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 Lamp	LED lamp 12W*2	16W*2	16W*2	
Illumination	≥ 1000Lux			
Consumption	800W	1300W	1400W	
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	AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Standard Accessory	LED lamp*2, UV lamp*2, base stand, remote control, foot switch, exhaust blower, exhaust duct, drain valve, waterproof sockets*2, pipe strap*2, 485 data transfer function, supporting data monitoring and export.			
Optional Accessory	1. Water and gas tap, Electric height adjustable base stand. 2. Wind speed self adjustment function, real-time compensation for wind speed through sensor monitoring. 3. APP networking remote control. 4. LED fluorescent lamp brightness adjustment function. 5. Base bracket with manual or electric height adjustment function. 6. Manual lifting front window function. 7. Manual automatic lifting front window function. 8. EC fan			
Package	Main Body Exhaust Blower(W*D*H)	1250*980*1765mm 920*790*690mm	1640*980*1825mm 920*790*790mm	2000*1040*1895mm 920*790*840mm
Gross Weight	265kg; 50kg		325kg; 56kg	420kg; 60kg