



# Radiation Protection Biological Safety Cabinet



**Color Screen**  
Real-time and clearer display of various values and appointment timing function.



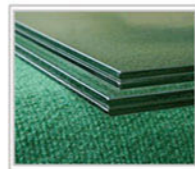
**Work Zone**  
Work zone, made of 304 stainless steel, is surrounded by negative pressure.



**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**  
Motorized, Two-layer laminated toughened glass >6mm, Anti UV.



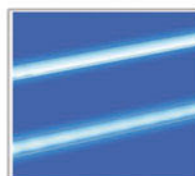
**Footmaster Caster**  
Universal caster with brake and leveling feet.



**Cabinet Support Block**  
Easy to lift, prevent hand pressing



**Iron hook support rod for panel support**



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

## ADVANTAGE

1. Color key display: super large screen, more clearly and dynamically display the values of the safety cabinet, and has the function of reservation timing.
2. Automatic adjustment of wind speed.
3. With power failure memory function, the state before power failure is restored after power-on, and there is a visual warning.
4. Operation area integrated molding design, easy to disassemble and clean.
5. Separate the cabinet from the base. Adjustable base height can be customized.
6. Interlocking function: UV lamp and front window; UV lamp and fan; Fan and front window.
7. With the reservation timing function, it can automatically set the safety cabinet regular startup, shutdown and UV lamp, fan, socket operation time.
8. The front window is closed to trigger the double signal, so that the sterilization and disinfection function of the ultraviolet lamp can be opened normally.
9. The negative pressure air duct is equipped with a foreign body filtering structure to prevent foreign bodies 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-click lifting function
11. The cabinet adopts 10° tilt Angle design, which is in line with the ergonomic principle, the viewing Angle is larger, the operation is convenient and more humane.
12. The integrated hand shelf is changed to a large plane, and the contact area with the arm is larger and more comfortable.
13. The left and right sides of the work area and the bottom of the lead plate are respectively protected. The left and right sides of the work area contain a 10mm lead plate, and the bottom of the operation area is a 10mm lead plate.
14. The front side is equipped with a side-sliding protective screen with protective radiation window. The front of the safety cabinet contains a movable anti-radiation glass front window component, and 1 piece of anti-radiation glass has a thickness of 50mm thick \*350mm wide, which can slide left and right; This component can be separated from the safety cabinet and can be removed when not in use to facilitate the placement of items in the operating area.

## TECHNICAL PARAMETERS

Model	BSC-1500IIA2-R	BSC-1800IIA2-R
External Size (W*D*H)	1500*840*2200mm	1800*840*2200mm
Internal Size (W*D*H)	1350*600*660mm	1625*600*660mm
Tested Opening	Safety height 200mm(8")	
Max Opening	440mm	
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	≤65 dB	
UV Lamp	40W*1	40W*1
	UV timer, UV life indicator, emission of 235.7 nanometers for most efficient decontamination	
LED lamp	16W*2	16W*2
Illumination	≥1000Lux	
Consumption	1600W	1800W
Waterproof Socket	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, high filter pressure alarm, abnormal power failure	
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 50 / 60HZ; 110V 60HZ	
Standard Accessory	LED lamp 2pcs, UV lamp 1pc, Base stand, Remote control, Foot switch, Drain valve, Waterproof socket 2pcs	
Optional Accessory	Water and gas tap, Armrest	
Gross Weight	465kg; 75kg	560kg; 115kg
Package Size (W*D*H)	1630*1060*1840mm; 1580*370*910mm	1930*1060*1840mm; 1880*370*910mm