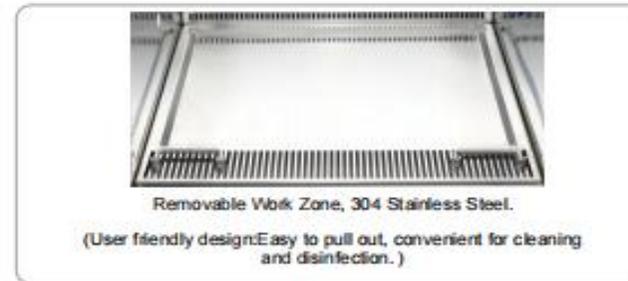


Class II Type A2 Biological Safety Cabinet



Class II Type A2 Biological Safety Cabinet

Product Introduction

Class II Type A2 Biological Safety Cabinet (1.2m)

This Class II Type A2 Biological Safety Cabinet is designed for the safe handling of pathogenic microorganisms, samples, and reagents in laboratories, hospitals, universities, and teaching facilities. It provides effective protection for operators, samples, and the surrounding environment.

Key Features:

- **Workspace dimension: 1200mm (1.2 meters), suitable for standard laboratory benches.**
- **Interior and worktable made of high-quality 304 stainless steel, corrosion-resistant, smooth, and easy to clean.**
- **Sufficient operating space for microbiological experiments, culture plates, test tubes, pipettes, and other lab tools.**
- **High-efficiency HEPA filtration system ensures clean air quality and biosafety level compliance.**
- **Low-noise fan design, suitable for quiet teaching and research environments.**
- **Humanized control panel with clear display, easy to operate and maintain.**

- **Power supply: AC 220–240V 50Hz, compatible with standard laboratory power systems.**
- **Complies with EN 12469 or NSF/ANSI 49 standards.**

Product Features Specification

Water Tap (Optional) Optional Upgrade LED Lamp

- **UV sterilization function and timing function can be set by appointment.**
- **Motorized front window, double protection from control limit and travel limit, ergonomic 10° tilt Angle, improve the operation comfort.**
- **With memory function in case of power-failure.**
- **Work area surrounded by negative pressure, prevent leakage, improve Biosafety.**
- **Audio and visual alarm (Abnormal airflow velocity, HEPA filter failure, UV lamp failure, Front window at unsafe height).**
- **Interlock function: UV lamp and front window; UV lamp and blower, LED lamp; blower and front window.**
- **Standard with foot switch: adjust front window to up and down, to avoid airflow turbulence caused by arm movement.**

• Optional upgraded

LED lamp



Optional Upgrade LED Lamp



RG0 Without Blue Light



Anti-Glare Eye Protection



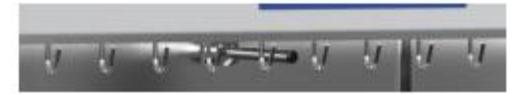
Ra98 High Color Rendering Index



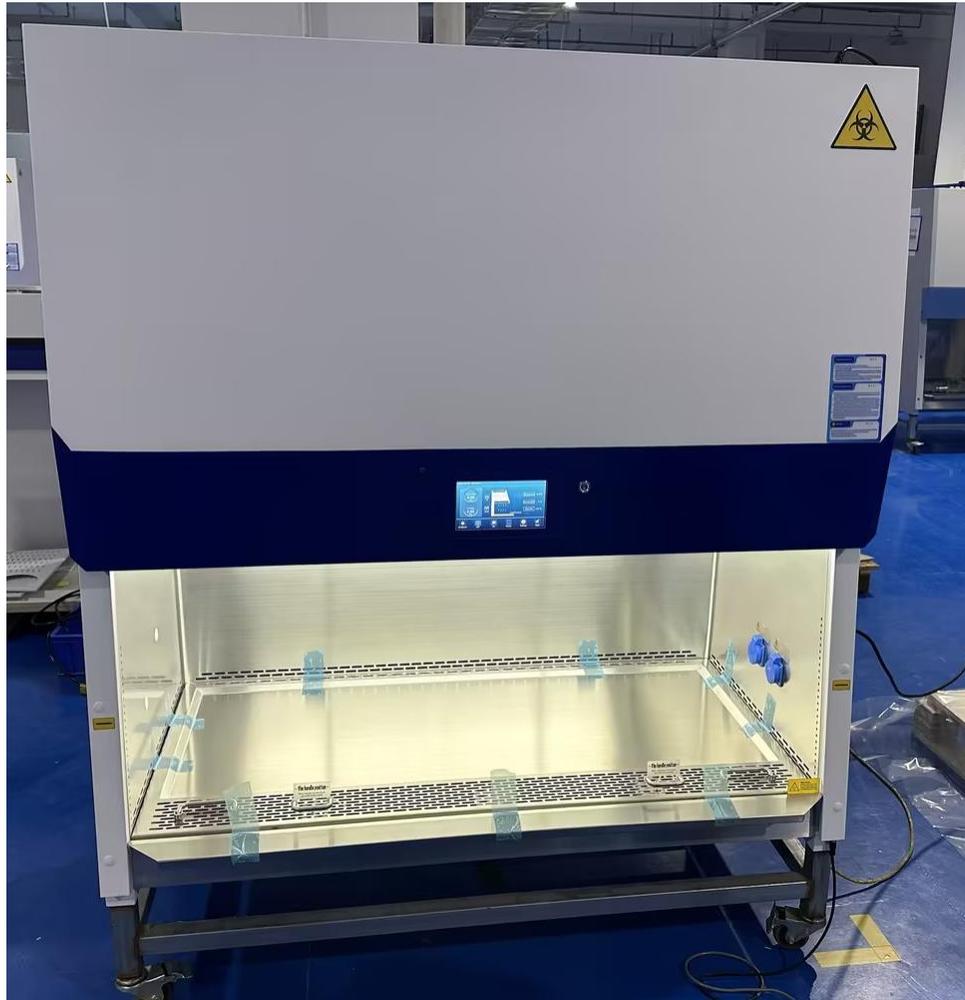
Gas Tap (Optional)



Water Tap (Optional)



IV Bar With Hooks (Optional)



Model		BSC-IIA2-2F
Internal Size (W×D×H)		610×550×600mm
External Size (W×D×H)		710×760×1430mm (Without base stand), 710×760×2050mm (With base stand)
Max.Opening		370mm
Work Surface Height		750mm
Control System	Display	7"LCD touch screen
	Alarm	Abnormal airflow velocity, HEPA filter failure, UV lamp failure, Front window at unsafe height
Airflow System	Airflow Mode	70% air recirculation, 30% air exhaust
	Downflow Velocity	0.35m/s±0.025m/s
	Inflow Velocity	0.52m/s±0.025m/s
	Inflow Air Volume	240m³/h (141CFM)
	Downflow Air Volume	560m³/h (330CFM)
Air Filtration System	Exhaust Air Volume	240m³/h (141CFM)
	HEPA Filter	2pcs H14 HEPA filter, ≥99.995% efficiency at 0.3µm
	Cleanliness Grade	Class 100 (ISO14644.1 Class 5)
Cabinet Construction	Main Body	Electro-galvanized steel with antimicrobial Powder Coating
	Work Surface	304 stainless steel
	Front Window	Motorized, toughened glass
Electrical System	UV Lamp	15W×1 (Emission of 253.7 nanometers for most efficient decontamination,UV life indicator, UV timer)
	LED Lamp	10W×2
	Max.Consumption	350W (Not include socket consumption)
	Power Supply	AC220V±10%, 50/60HZ; 110V±10%, 60Hz
Illumination		≥900Lux
Sound Emission		≤65dB(A)
Vibration of Work Surface		≤2µm
Standard Accessory		1.Air Velocity Sensor; 2.LCD Touch Screen; 3.LED Lamp×2; 4.UV Lamp×1; 5.Explosion-Proof/Waterproof Socket×1; 6.Motorized Front Window; 7.Footmaster Caster; 8.Foot Switch; 9.Removable shallow-plate stainless steel work surface
Optional Accessory		1.Base Stand; 2.Gas Tap; 3.Water Tap; 3.Pressure Sensor; 4.IV Bar With Hooks; 6.ULPA Filter; 7.Upgrade LED Lamp
Net Weight		130kg (Without base stand), 140kg (With base stand)
Gross Weight		165kg (Without base stand), 175kg (With base stand)
Shipping Size (W×D×H)		850×990×1640mm
Shipping Volume		1.4 m³





Safety Performance

- UV sterilization function and timing function can be set by appointment.
- Automatic air speed adjustable.
- With memory function in case of power-failure.
- Audio and visual alarm (Abnormal airflow velocity, filter failure, UV lamp failure, Front window at unsafe height).]
- Interlock function: UV lamp and front window; UV lamp and blower, LED lamp; Blower and front window.



7" LCD Touch Screen

(Real-time monitoring and display Front window status/Air velocity/Date/Time/Temperature/Filter and UV lamp life/System working status etc.)



Air Velocity Sensor



Electric Air Valve Control



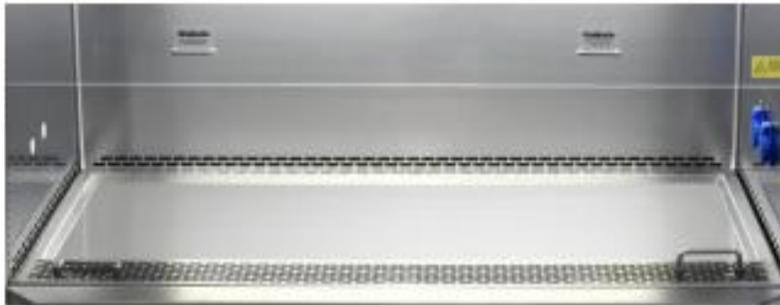
Foot Switch

Single click controls the front window to up and down;

Double click in a row will control the front window to up to the top or down to the bottom.



Arm Rest (Optional)



• **Perforations on all four sides.**

Four sides are negative pressure, Air flow is more uniform, with higher safety factor.



User friendly design:

- **Removable Work Zone, 304 Stainless Steel.**
Easy to pull out, convenient for cleaning and disinfection.
- **Bracket under the work surface panel.**
Easy to lift the work surface panel for cleaning
- **Dish type work surface panel, with stainless steel liquid collecting tank.**
Anti-corrosion, prevent liquid leakage, improve biosafety and easy to clean.

Product Features

- Standard with air velocity sensor. Real-time monitoring and display air velocity.
- Standard with foot switch. Controls the front window to up and down.
- Standard with electric air valve control. It can be controlled through the LCD touch screen.
- Standard with RS485 interface.
- Depth of the cabinet is reduce to 780mm. Better access to the door of laboratory room.
- Unibody design for front panel. Better sealing and safer than the splice style front panel.
- Base stand with foot support for operator comfortable operation.
- Safety login system: three-level authority, control, function setting, parameter setting and hierarchical menu entry can be performed.
- Optional LED lamp with adjustable brightness.

Model	BSC-IIA2-1100	BSC-IIA2-1300	BSC-IIA2-1400	BSC-IIA2-1500	BSC-IIA2-1800	
External Size (W×D×H)(mm)	1050×780×2130	1300×780×2130	1400×780×2130	1500×780×2130	1800×780×2130	
Internal Size (W×D×H)(mm)	950×626×600	1200×626×600	1300×626×600	1400×626×600	1700×626×600	
Tested Opening	Safety height 200mm (8")					
Max.Opening	400mm					
Work Surface Height	800mm					
Control System	Display	7" LCD touch screen				
	Alarm	Abnormal airflow velocity, ULPA filter failure, UV lamp failure, Front window at unsafe height				
Airflow System	Airflow Mode	70% air recirculation, 30% air exhaust				
	Downflow Velocity	0.35m/s±0.025m/s				
	Inflow Velocity	0.52m/s±0.025m/s				
	Inflow Air Volume	355m³/h (209CFM)	450m³/h (286CFM)	486m³/h (286CFM)	524m³/h (309CFM)	636m³/h (375CFM)
	Downflow Air Volume	718m³/h (423CFM)	945m³/h (579CFM)	983m³/h (579CFM)	1058m³/h (623CFM)	1285m³/h (757CFM)
	Exhaust Air Volume	355m³/h (209CFM)	450m³/h (309CFM)	486m³/h (309CFM)	524m³/h (309CFM)	636m³/h (375CFM)
Air Filtration System	ULPA Filter	2pcs ULPA filter, ≥99.9995% efficiency at 0.1~0.3 μm, filter life indicator				
	Cleanliness Grade	Class 100 (ISO14644.1 Class 5)				
Cabinet Construction	Main Body	Electro-galvanized steel with antimicrobial Powder Coating				
	Work Surface	304 stainless steel				
	Front Window	Motorized, Two-layer laminated toughened glass ≥ 5mm. Anti UV.				
Electrical System	UV Lamp	20W×1	30W×1	30W×1	30W×1	40W×1
		Emission of 253.7 nanometers for most efficient decontamination,UV life indicator, UV timer.				
	LED Lamp	16W×2	16W×2	24W×2	24W×2	60W×1+40W×1
	Max.Consumption	750W (Not include socket loading power consumption)				
	Fan Power	650W				
	Power Supply	AC220V±10%, 50/60HZ; 110V±10%, 60Hz				
Illumination	≥1000Lux					
Sound Emission	≤65dB(A)				≤67dB(A)	
Standard Accessory	1.Base Stand; 2.Air Velocity Sensor; 3.ULPA Filter; 4.LCD Touch Screen; 5.LED Lamp×2; 6.UV Lamp×1; 7.Waterprof Socket×2; 8.Motorized Front Window; 9.Footmaster Caster; 10.Foot Switch; 11.Electric Air Valve Control; 12.RS485 interface; 13. Magnetic file folder.					
Optional Accessory	1.LED Light With Adjustable Brightness; 2.Gas Tap; 3.Water Tap; 4.IV Bar With Hooks; 5.Manual Adjustable Base Stand; 6.Arm Rest; 7. Side Windows.					
Net Weight (kg)	224	251	263	290	370	
Gross Weight (kg)	266.5	301	313	380	495	
Shipping Size (W×D×H)(mm)	1150×1080×1720	1450×1120×1710	1550×1120×1710	1650×1120×1710	1950×1120×1710	
Shipping Volume (m³)	2.3	2.8	3	3.2	3.7	

