

VENTILATION PROTECTION

Biological Safety Cabinet

Laminar Flow Cabinet

PCR Cabinet

Fume Hood

Air Purifier



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SCITEK

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ABOUT SCITEK

SCITEK GLOBAL IS PROFESSIONAL MANUFACTURER OF LABORATORY INSTRUMENTS AND MEDICAL DEVICES, CERTIFIED BY ISO9001, ISO13485 AND ISO14001. PRODUCTS ARE CERTIFIED BY ETL, CE AND FDA ETC. WE LOOK FORWARD TO ESTABLISHING COOPERATION WITH MORE DISTRIBUTORS ALL OVER THE WORLD, AND WORKING TOGETHER TO CREATE GREATER CUSTOMER VALUE. TOGETHER WE WILL BE DIFFERENT.

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ISO 14001



ISO 9001



ISO 45001



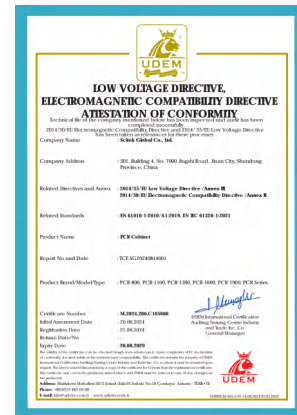
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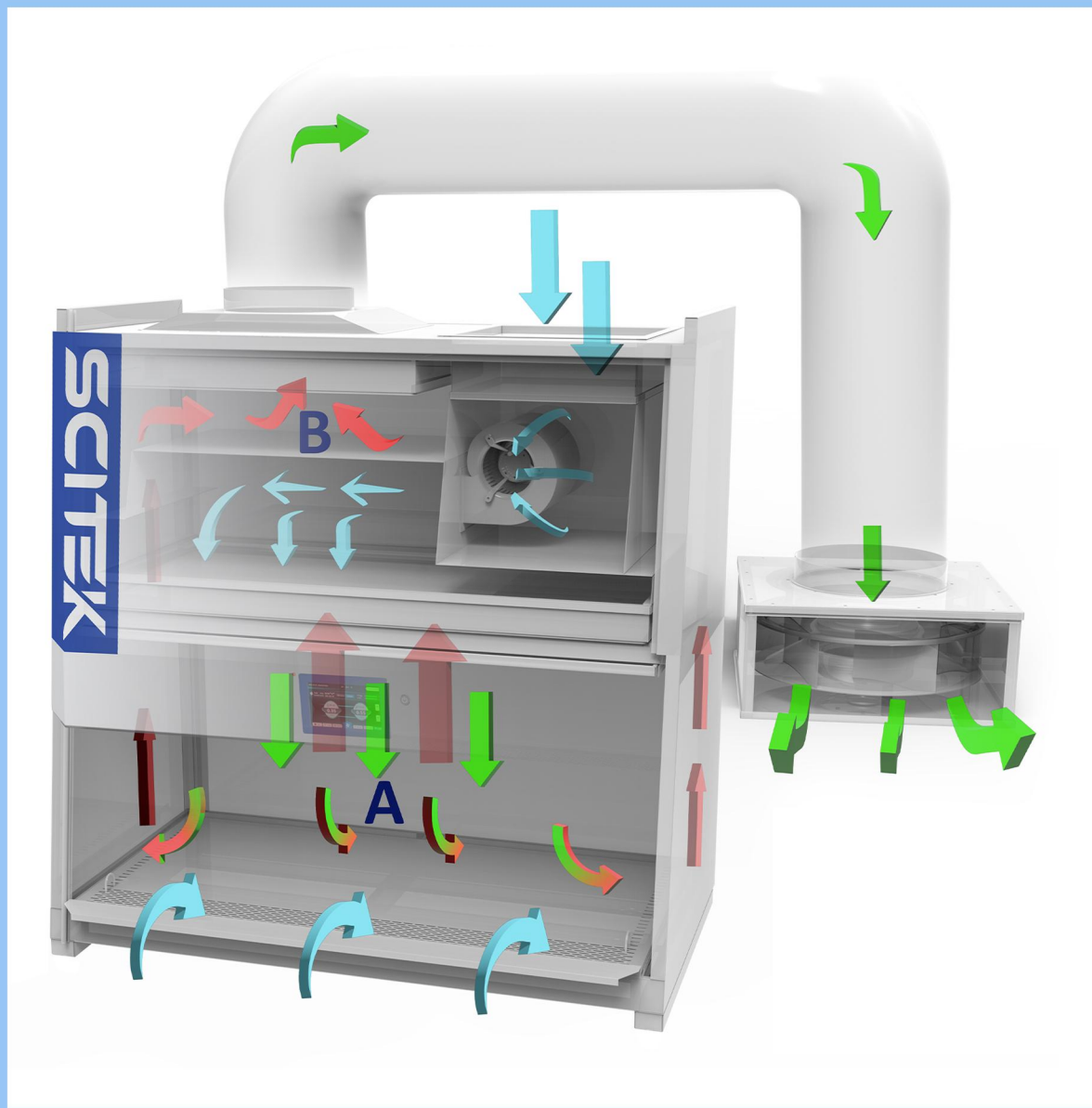


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Class II B2

Biological Safety Cabinet



Class II B2 Biological Safety Cabinet is biological safety isolation equipment used in biological safety laboratories or other laboratories. It can prevent harmful or unknown biological particulate aerosol from escaping during operation, it's suitable for experiments with radioactive nuclides and volatile chemicals.

Protection: **Operator, Samples, Environment.**

Airflow System: **100% air exhaust**

Work Area: **Negative pressure**

- Room Air
- Contaminated Air
- HEPA Filtered Air
- A** Protected Area
- B** Un-Protected Area

Environment conditions

1. Temperature range: 5~40°C
2. Relative humidity: $\leq 90\%$ (At +40°C)
3. Atmospheric pressure: 86kPa~106kPa
4. Maximum dust concentration: 3500 particles /L (particle size $\geq 0.5\mu\text{m}$)

Class II B2 Biological Safety Cabinet



Biological Safety Cabinet



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

(Real-time monitoring and display air velocity and precise control.)

Removable Work Zone, 304 Stainless Steel.

(User friendly design:Easy to pull out, convenient for cleaning and disinfection.)

Foot Switch

(Standard)

Waterproof Socket (IP54)

Advantage

- 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)

Specification

Model		BSC-IIB2-2F
Internal Size (W×D×H)		610×550×600mm
External Size (W×D×H)		710×760×2050mm
Max.Opening		370mm
Work Surface Height		750mm
Control	Display	7"LCD touch screen
System	Alarm	Abnormal airflow velocity, HEPA filter failure, UV lamp failure, Front window at unsafe height
Airflow System	Airflow Mode	100% 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	800m³/h (471CFM)
	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.Base Stand; 2.Air Velocity Sensor; 3.LCD Touch Screen; 4.LED Lamp×2; 5.UV Lamp×1; 6.Explo-sion-Proof/Waterproof Socket×1; 7.Motorized Front Window; 8.Footmaster Caster; 9.Foot Switch; 10.Re-movable shallow-plate stainless steel work surface; 11.Exhaust Blower; 12.9m Exhaust Duct (Φ305mm).
Optional Accessory		1.Gas Tap; 2.Water Tap; 3.Pressure Sensor; 4.IV Bar With Hooks; 5.ULPA Filter; 6.Upgraded LED Lamp
Net Weight		140kg(Main Unit); 65kg(Exhaust Blower)
Gross Weight		175kg(Main Unit); 80kg(Exhaust Blower)
Shipping Size (W×D×H)	Main Unit	850×990×1640mm
	Exhaust Blower	730×660×500mm
Shipping Volume		1.62 m³

Biological Safety Cabinet

Class II B2 Biological Safety Cabinet

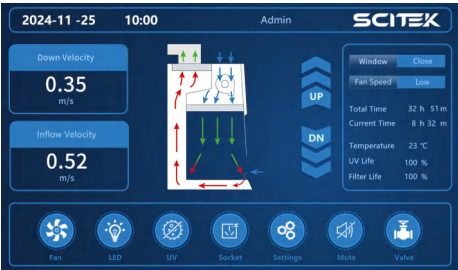


Biological Safety Cabinet



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.

Advantage

- 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.

Specification

Model	BSC-IIB2-1100	BSC-IIB2-1400	BSC-IIB2-1500	BSC-IIB2-1800
External Size (W×D×H)(mm)	1050×780×2180	1400×780×2180	1500×780×2180	1800×780×2180
Internal Size (W×D×H)(mm)	950×626×600	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	100% air exhaust		
	Downflow Velocity	0.35m/s±0.025m/s		
	Inflow Velocity	0.52m/s±0.025m/s		
	Inflow Air Volume	355m³/h (209CFM)	486m³/h (286CFM)	524m³/h (309CFM)
	Downflow Air Volume	718m³/h (423CFM)	983m³/h (579CFM)	1058m³/h (623CFM)
Air Filtration System	Exhaust Air Volume	1073m³/h (632CFM)	1469m³/h (865CFM)	1582m³/h (932CFM)
	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
		40W×1		
	LED Lamp	16W×2	20W×2	20W×2
	Max.Consumption	1550W (Not include socket loading power consumption)		
	Power Supply	AC220V±10%, 50/60HZ; 110V±10%, 60Hz		
Illumination		≥1000Lux		
Sound Emission		≤65dB(A)		≤67dB(A)
Vibration of Work Surface		≤5μm		
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.Footmaster Caster; 9.Foot Switch; 10.Electric Air Valve Control; 11.RS485 interface; 12.Exhaust Blower; 13.9m Exhaust Duct (Φ305mm); 14.Magnetic file folder.		
Optional Accessory		1.LED Lights 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)		289.5	323	350
Gross Weight (kg)		346	404	435
Shipping Size (W×D×H)(mm)	Main Unit	1150×1080×1710	1550×1120×1710	1650×1120×1710
	Exhaust Blower	730×660×500	700×700×500	700×700×500
Shipping Volume (m³)		2.6	3.3	3.5

Biological Safety Cabinet