Class II A2 Biosafety Cabinet 11231BBC86

LCD Display
Large Digital LCD display is easy to monitor all the safety parameters at a glance and ergonomically sized control panel improves user interface.

ADVANTAGE

1. Small dimension, save space.
2. Centrifugal fan, speed adjustable; H14 HEPA filter.
3. Motorized front window: The front window is motorized for convenient, one-hand operation.
4. Voice prompt function: Airflow alarm, filter replacing alarm and front window height alarm.
5. Time reserve function: This can save 30 minutes waiting time after activating the cabinet and the sterilization time after experiment.
6. Remote control: Each function can be realized 6 meters away from the cabinet by remote control, which can protect the operator under emergency.
7. Large LCD display: 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.

TECHNICAL PARAMETERS

Model	11231BBC86
External Size(W*D*H)	700*650*1230mm
Internal Size(W*D*H)	600*500*540mm
Tested Opening	Safety height 200mm(8")
Max Opening	370mm（15"）
Inflow Velocity	0.53±0.025m/s
Down Flow Velocity	0.33±0.025m/s
HEPA Filter	Two, 99.999% efficiency at 0.3μm. Filter life indicator.
Front Window	Motorized. Two-layer laminated toughened glass ≥ 5mm. Anti UV.
Noise	EN12469 ≤ 58dB / NSF49 ≤ 61dB
UV Lamp	15W*1 UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination.
Fluorescent Lamp	40W*1
Illumination	≥1000Lux
Consumption	500W
Socket	Two, total load of two sockets: 500W
Display	LCD display
Control System	Microprocessor
Airflow System	70% air recirculation, 30% air exhaust
Visual and Audio Alarm	Filter replacement, window over height, abnormal air flow velocity.
Material	Work Zone: 304 stainless steel. Main Body: Cold-rolled steel with anti-bacteria powder coating.
Work Surface Height	750mm with optional base stand
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz
Standard Accessory	Fluorescent lamp, UV lamp*2, Remote control, Waterproof sockets*2
Optional Accessory	Base stand, Universal caster with brake and leveling feet.
Gross Weight without Base Stand	Wooden Box: 164kg Carton: 121kg
Gross Weight with Base Stand	Wooden Box: 196kg
Package Size without Base Stand (W*D*H)	Wooden Box: 860*800*1450mm Carton: 820*760*1430mm
Package Size with Base Stand (W*D*H)	Wooden Box: 860*960*1450mm

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

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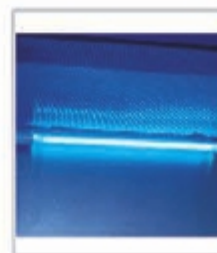All functions can be realized with it, making the operation much easier and convenient.

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

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

NSF SFDA CE ISO ISO MET SGS

NSF Certified Biological Safety Cabinet

BIOBASE

LCD Display
Large LCD display is easy to monitor all the safety parameters at a glance; and ergonomically sized control panel improves users interface.
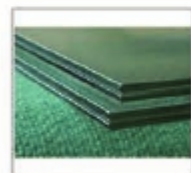
Front Window
Two-layer laminated toughened glass >5mm, anti UV

Footmaster Caster
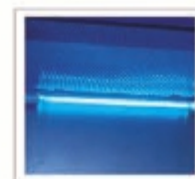Universal caster with brake and leveling feet.

SS Water Tap &Gas Tap

Waterproof Socket

Work Zone
Unibody design

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

ADVANTAGE

1. Motorized front window.
2. Large LCD display, all information displayed.
3. Automatic air speed adjustable with filter block.
4. Side & back wall is made of single piece stainless steel.
5. Interlock function: UV lamp and front window; UV lamp and blower, fluorescent lamp; Blower and front window.
6. Front 10° slanted to offer operator comfort while working for long time, reduce glare and maximize reach into the work area.

TECHNICAL PARAMETERS

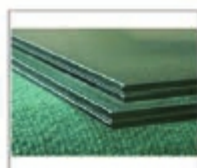| Model		11235BBC86(3')	BSC-4FA2(4')	11236BBC86(6')
External Size(W*D*H)		1087*775*2265mm	1383*775*2295mm	1873*775*2295mm
Internal Size(W*D*H)		910*600*660mm	1210*660*660mm	1700*600*660mm
Work Surface Height		750mm		
Max Opening		550mm (22")		
Tested Opening		Safety height 200mm (8")		
Airflow Volume	Inflow	349m³/h (205cfm)	465m³/h (275cfm)	649m³/h (382cfm)
	Downflow	64%: 638m³/h (375cfm)	64%: 868m³/h (498cfm)	64%: 1190m³/h (700cfm)
	Exhaust	36%: 359m³/h (211cfm)	36%: 488m³/h (287cfm)	36%: 669m³/h (394cfm)
Front Window		Motorized. Two-layer laminated toughened glass ≥5mm. Anti UV.		
HEPA Filter		Two, 99.999% efficiency at 0.3µm, filter life indicator.		
Filter Guard Type		Aluminum alloy frame.		
Noise		NSF 49≤61dB / EN 12469≤58dB		
Illumination		≥1000Lux		
Display		LCD Display		
Waterproof Socket		Two, Total consumption: ≤500W		
Tap		Water tap*1, Gas tap *1		
Ground Resistance		≤ 0.10Ω		
Power Supply		AC220V±10%, 50/60Hz; 110V±10%, 60Hz, Full load Amps: 9A, BTU/Hr: 1689		
Consumption		300W	400W	500W
Alarm		Abnormal airflow velocity; Filter change; Front Window over height.		
Motor		One ECM motor, 110V&220V acceptable, Speed adjustable, high efficiency and low power consumption.		
Material		Working area: 304 stainless steel		
		Frame and Decorative Plate: cold-rolled steel with anti-bacteria power coating.		
UV Lamp		18W	30W	40W
		Germicidal UV lamp, Emission of 253.7 nanometers for most efficient decontamination.		
Standard Accessory		Fluorescent lamp, UV lamp*2, Base stand, SS water & gas taps, Drain valve, Waterproof sockets, Stainless Steel I.V. Bar with 10 hooks		
Optional Accessory		Armrest, Airflow tester, Formalin fumigation sterilizer, Infrared sterilizer, Adjustable base stand, Remote control		
Package Size (W*D*H)		1250*1080*1840mm	1540*1080*1900mm	2020*1080*1900mm
Gross Weight		270kg	334kg	363kg

SFDA CE

EN Certified Biological Safety Cabinet

BIOBASE

LCD Display
Large LCD display is easy to monitor all the safety parameters at a glance; and ergonomically sized control panel improves users interface.

Remote Control for Convenient Operation

Front Window
Two-layer laminated toughened glass>5mm, anti UV

SS Water tap &Gas tap

Unibody design

Footmaster Caster
Universal caster with brake and leveling feet.

Waterproof Socket

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

ADVANTAGE
1. Motorized front window.
2. Large LCD display, all information displayed.
3. Automatic air speed adjustable with filter block.
4. Side & back wall is made up of single piece stainless steel.
5. Interlock function: UV lamp and front window; UV lamp and blower, fluorescent lamp; Blower and front window.
6. Front 10°slanted to offer operator comfort while working for long time, reduce glare and maximize reach into the work area.

TECHNICAL PARAMETERS

Model		BSC-3FA2 (3')	BSC-4FA2(4')
External Size(W*D*H)		1087*775*2265mm	1383*775*2295mm
Internal Size(W*D*H)		910*600*660mm	1210*660*660mm
Work Surface Height		750mm	
Max Opening		550mm (22")	
Tested Opening		Safety height 200mm (8")	
Airflow Volume	Inflow	349m³/h (205cfm)	465m³/h (275cfm)
	Downflow	64%: 638m³/h (375cfm)	64%: 868m³/h (498cfm)
	Exhaust	36%: 359m³/h (211cfm)	36%: 488m³/h (287cfm)
Front Window		Motorized. Two-layer laminated toughened glass ≥5mm. Anti UV	
HEPA Filter		Two, 99.999% efficiency at 0.3μm, filter life indicator.	
Filter Guard Type		Aluminum alloy frame	
Noise		NSF 49≤61dB/EN 12469≤58dB	
Illumination		≥1000Lux	
Display		LCD Display	
Waterproof Socket		2, Total consumption: ≤500W	
Tap		Water tap*1, Gas tap*1	
Ground Resistance		≤ 0.10Ω	
Power Supply		AC230V, 50Hz	
Consumption		≤500W	≤600W
Alarm		Abnormal airflow velocity; Filter change; Front window over height.	
Motor		One ECM motor, 230V acceptable, Speed adjustable, high efficiency and low power consumption.	
Material		Working area: 304 stainless steel	
		Frame and decorative plate: cold-rolled steel with anti-bacteria power coating.	
UV Lamp		18W	30W
		Germicidal UV lamp, Emission of 253.7 nanometers for most efficient decontamination.	
Standard Accessory		Fluorescent lamp, UV lamp *2, Base stand, SS water & gas taps, Drain valve, Waterproof . sockets, Stainless steel I.V. bar with 10 hooks.	
Optional Accessory		Armrest, Airflow tester, Formalin fumigation sterilizer, Infrared sterilizer, Adjustable base stand, Remote control	
Package Size (W*D*H)		1250*1080*1840mm	1540*1080*1900mm
Gross Weight		270kg	334kg

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SFDA CE

Class II A2 Biological Safety Cabinet

BIOBASE

LCD Display
Large digital 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.
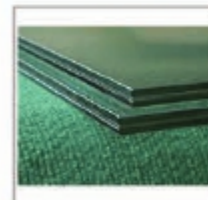
Work Zone
Work zone, made of 304 stainless steel, is surrounded by negative pressure.

Front Window
Two-layer laminated toughened glass>5mm, anti UV

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

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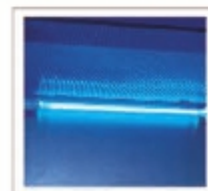
Waterproof Socket
2 waterproof sockets are located in the side wall, for optimum convenience of using small devices inside the cabinet.

ADVANTAGE
1. Motorized front window.
2. Time reserve function.
3. HEPA filter life and UV life indicator.
4. Automatic air speed adjustable with filter block.
5. Most accessories are standard. No need to pay more, save your money.
6. Work area surrounded by negative pressure, it can ensure maximum safety in work area.
7. Audio and visual alarm (Filter replacement, window over height, abnormal air flow velocity etc).
8. Remote control: all functions can be realized with it, making the operation much easier and more convenient.
9. Interlock function: UV lamp and front window; UV lamp and blower, fluorescent lamp; blower and front window.
10. Foot switch: adjust front window height by foot during experiment, to avoid airflow turbulence caused by arm movement.

TECHNICAL PARAMETERS

Model	BSC-1100IIA2-X	BSC-1300IIA2-X	BSC-1500IIA2-X	BSC-1800IIA2-X	BSC-2000IIA2-X
Internal Size(W*D*H)	940*600*660mm	1150*600*660mm	1350*600*660mm	1710*600*660mm	1800*600*660mm
External Size(W*D*H)	1100*750*2250mm	1300*750*2250mm	1500*750*2250mm	1870*750*2290mm	1950*800*2305mm
Tested Opening	Safety Height 200mm(8")				
Max Opening	420mm(17")	420mm(17")	400mm(16")	400mm(16")	400mm(16")
Inflow Velocity	0.53±0.025 m/s				
Downflow Velocity	0.33±0.025 m/s				
HEPA Filter	Two, 99.999% efficiency at 0.3µm. Filter life indicator.				
Front Window	Motorized. Two-layer laminated toughened glass ≥ 5mm. Anti UV.				
Noise	EN12469 ≤ 58dB / NSF49 ≤ 61dB				
UV Lamp	30W*1	30W*1	40W*1	40W*2	40W*1
	UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination.				
Fluorescent Lamp	21W*2	21W*2	28W*2	40W*2	40W*2
Illumination	≥1000Lux				
Consumption	760W	800W	900W	900W	1500W
Waterproof Sockets	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	Filter replacement, window over height, abnormal air flow velocity.				
Material	Work Zone: 304 stainless steel / Main Body: Cold-rolled steel with anti-bacteria powder coating.				
Work Surface Height	750mm				
Caster	Footmaster caster				
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz				
Standard Accessory	Fluorescent lamp,UV lamp*2 , Base stand, Remote control, Foot switch, Drain valve, Waterproof sockets*2				
Optional Accessory	Water and gas tap				
Gross Weight	243kg	280kg	316kg	395kg	420kg
Package Size(W*D*H)	1220*1000*1840mm	1460*1050*1800mm	1630*1000*1820mm	2000*950*1820mm	2090*1050*1860mm

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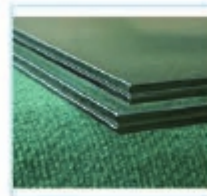*Quality Service | Empowering You*

BIOBASE

Class II A2 Biological Safety Cabinet

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

LCD Display
Large digital display is easy to monitor all the safety parameters at a glance and ergonomically sized control panel improves user interface.

Work Zone
Work table: Stainless steel;
Back side: Cold-rolled steel;
Two sides: Toughened glass.

Front Window
Two-layer laminated toughened glass > 5mm, anti UV.

Footmaster Caster
Universal caster with brake and leveling feet.

TECHNICAL PARAMETERS

Model	BSC-1200IIA2-Z
Internal Size(W*D*H)	1100*540*600mm
External Size(W*D*H)	1200*750*2200mm
Tested Opening	Safety Height: 200mm (8")
Max Opening	400mm (16")
Inflow Velocity	0.53±0.025 m/s
Downflow Velocity	0.33±0.025 m/s
HEPA Filter	Two, 99.999% efficiency at 0.3μm. Filter life indicator.
Front Window	Motorized. 5mm toughened glass. Anti UV.
Two Sides Window	5mm toughened glass
Noise	EN12469 ≤ 58dB / NSF49 ≤ 61dB
UV Lamp	30W*1
	UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination.
Fluorescent Lamp	21W*2
Illumination	≥1000Lux
Consumption	760W
Waterproof Sockets	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	Filter replacement, window over height, abnormal air flow velocity.
Material	Work table: Stainless steel; Back side: Cold-rolled steel; Two sides: Toughened glass Body: Cold-rolled steel with anti-bacteria powder coating.
Work Surface Height	750mm
Caster	Universal caster with brake and leveling feet.
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz,
Standard Configuration	Fluorescent lamp, UV lamp*2, Base stand, Remote control, Foot switch, Drain valve, Waterproof sockets*2
Optional Accessory	Water and gas tap
Gross Weight	200kg
Package Size(W*D*H)	1390*1000*1650mm

Class II B2 Biological Safety Cabinet
Cytotoxic Safety Cabinet

Three protection:operator,sample and environment.

Airflow system: 0% air recirculation,100% air exhaust.

A Class II B2 BSC, also called a total exhaust cabinet, is necessary when significant amounts of radionuclides and volatile chemicals are expected to be used.

Cytotoxic Safety Cabinet

BIOBASE Cytotoxic Safety Cabinet is the premium solution for cytotoxic / antineoplastic drug processing, providing the highest level of patient , pharmacist and environmental protection.

The unique demands of handling and preparing cytotoxic drugs for use in chemotherapy require a specialized cabinet.
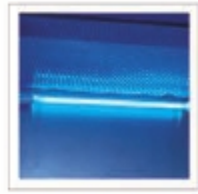
Class II B2 Biological Safety Cabinet

Cytotoxic Safety Cabinet

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SFDA CE
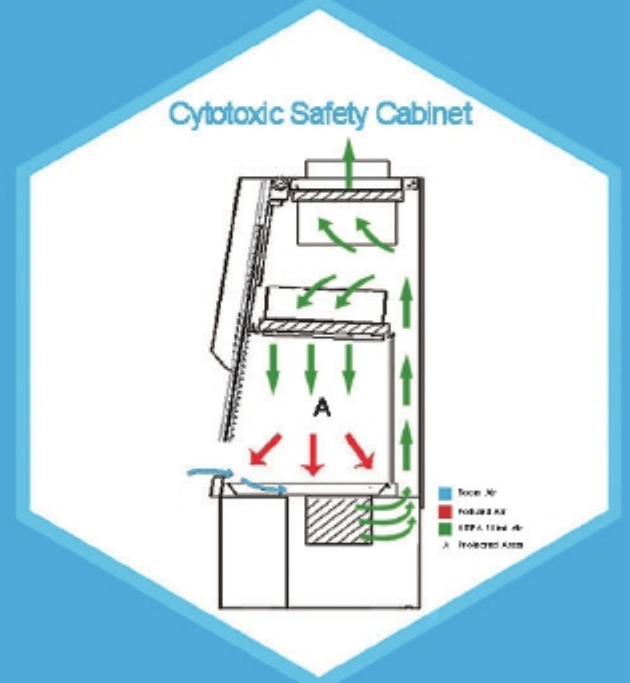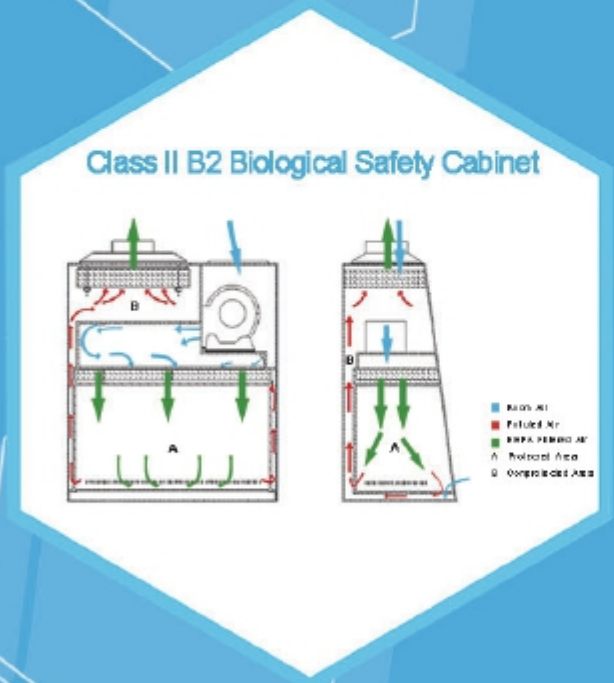
Class II B2 Biological Safety Cabinet

LCD Display
Large digital display is easy to monitor all the safety parameters at a glance and ergonomically sized control panel improves user interface.
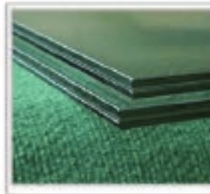
ADVANTAGE

1. Time reserve function.
2. Motorized front window.
3. HEPA filter life and UV life indicator.
4. Automatic air speed adjustable with filter block.
5. Work area surrounded by negative pressure, it can ensure maximum safety in work area.
6. Most accessories are standard, which saves your money. There is no need to pay more.
7. Audio and visual alarm (filter replacement, window over height, abnormal air flow velocity, etc).
8. Remote control. All functions can be realized with it, making the operation much easier and more convenient.
9. Interlock function: UV lamp and front window; UV lamp and blower, fluorescent lamp; blower and front window
10. Foot switch. Adjust front window height by foot during experiment, to avoid airflow turbulence caused by arm movement.

TECHNICAL PARAMETERS

Model		BSC-1100IIB2-X	BSC-1300IIB2-X	BSC-1500IIB2-X	BSC-1800IIB2-X
Internal Size (W*D*H)		940*600*660mm	1150*600*660mm	1350*600*660mm	1670*600*660mm
External Size (W*D*H)		1100*750*2250mm	1300*750*2250mm	1500*760*2250mm	1820*750*2250mm
Tested Opening		Safety Height 200mm(8")			
Max Opening		420 mm (17")	420 mm (17")	500mm (20")	500mm (20")
Inflow Velocity		0.53±0.025m/s			
Downflow Velocity		0.33±0.025m/s			
Pre-Filter		Washable			
HEPA Filter		Two, 99.999% efficiency at 0.3µm, filter life indicator.			
Front Window		Motorized, two-layer laminated toughened glass ≥ 5mm, anti UV			
Noise		NSF 49 ≤ 61dB / EN 12469 ≤ 58dB			
UV Lamp		30W*1	18W*1	40W*1	40W*2
		UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination.			
Fluorescent Lamp		21W*2	21W*2	28W*2	40W*2
Illumination		≥1000Lux			
Consumption		700W	850W	900W	1200W
Waterproof Sockets		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		0% air re-circulation, 100% air exhaust			
Visual and Audio Alarm		Filter replacement, window over height, abnormal air flow velocity			
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			
Caster		Footmaster caster			
Power Supply		AC 220V±10%, 50/60Hz; 110V±10%, 60Hz (110V/60Hz is not applicable to BSC-1800IIB2-X)			
Standard Accessory		Fluorescent lamp, UV lamp*2, base stand, remote control, foot switch, exhaust blower, exhaust duct, drain valve, waterproof sockets*2, pipe strap*2			
Optional Accessory		Water and gas tap			
Gross Weight		246kg	276kg	302kg	408kg
Package	Main Body	1220*1000*1840mm	1460*1050*1800mm	1650*990*1800mm	1950*990*1950mm
	Exhaust Blower (W*D*H)	970*810*630mm	970*810*630mm	970*810*630mm	920*710*680mm

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.

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

Front Window
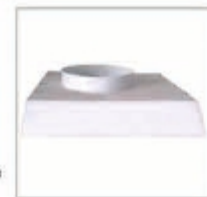Two-layer laminated toughened glass >5mm, anti UV

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.

Exhaust Blower
Centrifugal fan, speed adjustable.

SFDA CE

Cytotoxic Safety Cabinet

BIOBASE

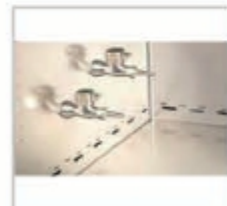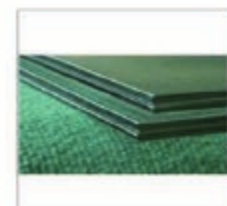### LCD Display
Large display is easy to monitor all the safety parameters at a glance, and ergonomically sized control panel improves users interface.
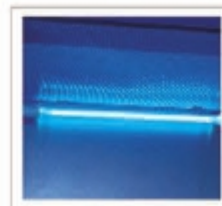
Remote Control
All functions can be realized with it, making the operation much easier and more convenient.

Water and Gas Tap
High quality stainless steel.

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

Front Window
Motorized, Two-layer laminated toughened glass >5mm, anti UV.
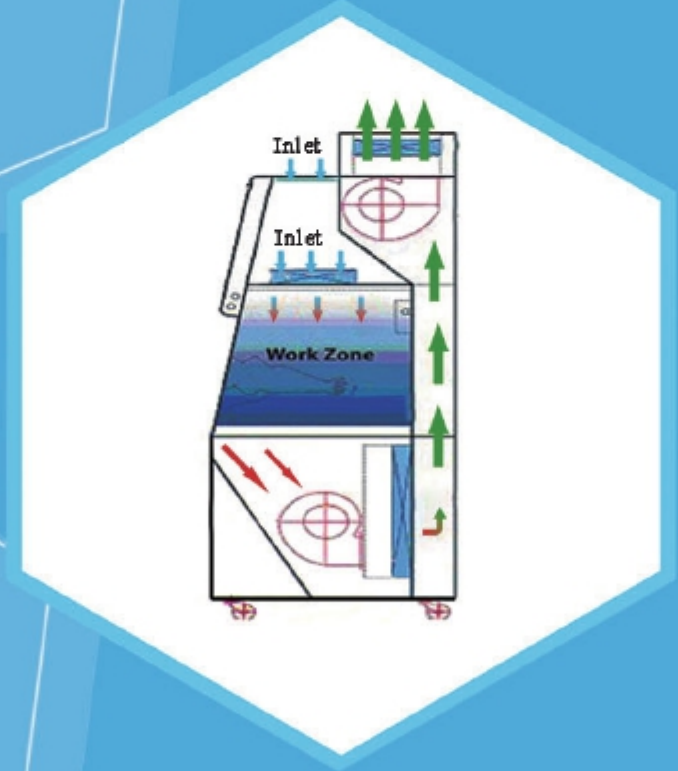
Bag In and Bag Out Filter
The PVC bag can ensure the safety of the personnel and the environment, and make the replacement process convenient and quick.

TECHNICAL PARAMETERS

Model	11234BBC86
Internal Size (W*D*H)	1220*660*630mm 48"*26"*24.8"
External Size (W*D*H)	1370*760*2100mm 53.9"*29.9"*86.6"
Tested Opening	Safety Height 200mm(8")
Max Opening	440mm(17")
Internal Work Area, space	0.73m³
Inflow Velocity	0.53m/s
Down Flow Velocity	0.33m/s
Exhaust Volume	465m³/h (273 cfm)
Air Supply Filter	ULPA filter, efficiency > 99.999% for particle size at 0.12 µm
Exhaust Filter	2 pieces HEPA filters, efficiency > 99.999% for particle size at 0.3µm Filter life indicator and filter working time indicator.
Alarm	Audio and visual alarm, filter replacement, window over height, abnormal airflow velocity
Noise	EN12469 ≤ 58dB / NSF49 ≤ 61dB
Water & Gas Tap	Water Tap*1, Gas tap*1
UV Lamp	30W*1 Emission of 253.7 nanometers for most efficient decontamination UV life indicator
Fluorescent Lamp	28W*2
Illumination	≥1000Lux
Consumption	900W
Waterproof Socket	Two, Total load of two sockets: ≤500W
Display	LCD display
Control System	Microprocessor
Humidity and Temperature	Humidity and temperature can be displayed on the control panel
Material	Work Area: 304 stainless steel Main Body: cold-rolled steel with anti-bacteria powder coating
Front Window	Motorized, two-layer laminated toughened glass≥5mm, anti-UV
Caster	Footmaster Caster
Power supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz
Standard Accessory	Base stand, Drain valve, Waterproof sockets*2, Remote control, UV lamp*2 and Fluorescent lamp, Water tap, Gas tap
Optional Accessory	Armrest, Formalin fumigation sterilizer, Infrared sterilizer, Airflow tester, PVC duct
Gross Weight	350kg
Package size (W*D*H)	1550*900*2280mm

Class III
Biological Safety Cabinet

Class III Biosafety Cabinet is totally enclosed and gas-tight with ULPA filtered supply and exhaust air. Work is performed with long-sleeved gloves. The cabinet is kept under negative pressure of at least 120 Pa, and airflow is maintained by a dedicated exterior exhaust system. It can protect the operator, product and environment.
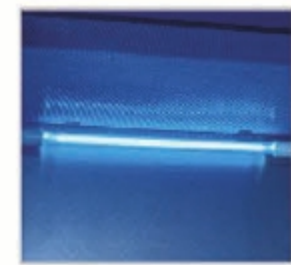
Class III Biological Safety Cabinet

ADVANTAGE

1. UV lamp ensures work area sterilization effectively.
2. An angled cabinet front ensures an ergonomic working posture.
3. Exhaust air is double-filtered through high-quality ULPA filters with typical efficiency of 99.999% for 0.12μm particles.

TECHNICAL PARAMETERS

Model	BSC-1500IIIX
External Size(W*D*H)	1765*855*2100mm
Internal Size(W*D*H)	1240*650*650mm
Pass Box Size(W*D*H)	Internal Size: 400*390*340mm
	External Size: 480*400*400mm
Gloves	One pair of 800mm butyl rubber gloves
Front Window	8 mm toughened glass, anti-UV
Display	LCD display
Pre-Filter	Polyester fiber, washable
Pressure	≥ negative120 Pa
ULPA Filter	Air supply filter: Efficiency 99.999% at 0.12μm
	First exhaust filter: Efficiency 99.999% at 0.12μm
	Second exhaust filter: Efficiency 99.999% at 0.12μm
Noise	NSF 49 ≤ 61dB / EN 12469 ≤ 48dB
Airflow Volume	440-870cfm
Alarm	Audio and visual alarm, abnormal pressure; filter replacement
Work Zone Material	304 stainless steel
Illumination	≥ 1000Lux
Consumption	700W
Fluorescent Lamp	28W*2
UV Lamp	30W*3, 8W*1, Emission of 253.7 nanometers for most efficient decontamination
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz
Gross Weight	395kg
Package Size(W*D*H)	1850*1080*2280mm
Standard Accessories	Gloves, fluorescent lamp, UV lamp*4, remote control, pressure meter, drain valve

Pass Box
Double doors with interlock function and UV lamp.

Pressure Meter
Display the pressure of work zone.

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

LCD Display
Large display is easy to monitor the pressure parameters for work zone and three filters.

Class I
Biological Safety Cabinet

Personnel and environmental protection.

Class I Biosafety Cabinet is suitable for work involving low to moderate risk agents.

(Biosafety Levels 1,2 and 3) where there is a need for containment, but not for product protection.

Filter

HEPA Filter

Sash

- Room Air
- Polluted Air
- HEPA Filtere Air

SFDA CE ISO ISO SGS
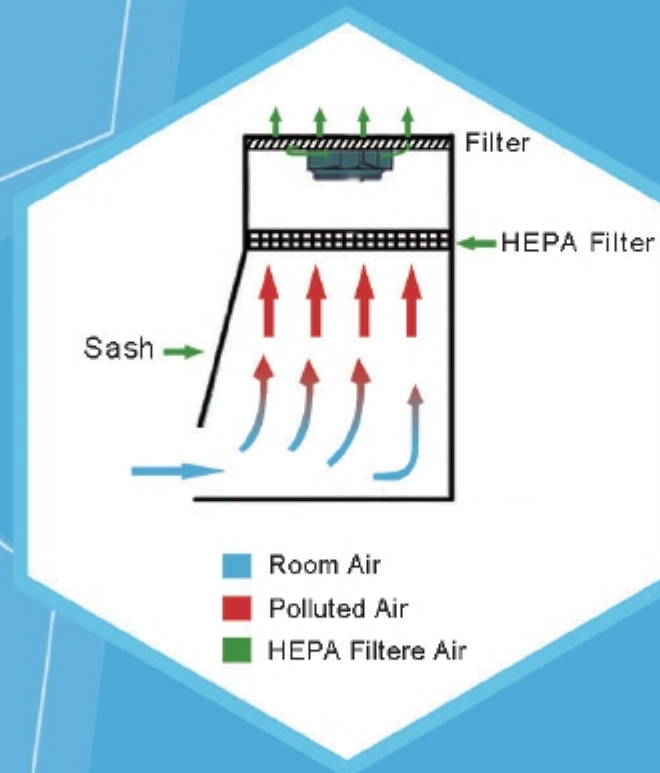
Class I Biological Safety Cabinet

BYKG-I/II

BYKG-III

BYKG-V

ADVANTAGE

1. UV lamp for sterilization.
2. Soft touch control panel, LCD display.
3. Energy-saving, high efficiency, low noise.
4. One piece 304 stainless steel work stable, easy for cleaning.
5. Stable air flow system; provide firm protection to person and environment.

TECHNICAL PARAMETERS

Model	BYKG-I	BYKG-II	BYKG-III	BYKG-V
External Size(W*D*H)	550*395*730mm	700*550*900mm	900*695*1200mm	1100*695*1924mm
Internal Size(W*D*H)	540*385*440mm	680*540*500mm	768*690*580mm	968*695*630mm
HEPA Filter	99.999% efficiency at 0.3μm			
Airflow Velocity	0.38-0.6m/s			
Noise	NSF 49 ≤ 61dB / EN 12469 ≤ 58dB			
Fluorescent Lamp	15W*1	18W*1	14W*2	21W*1
UV Lamp	15W*1	18W*1	18W*1	18W*1
	Emission of 253.7 nanometers for most efficient decontamination			
	BYKG-III has UV timer function and the display could indicate the UV life.			
Power Consumption	150W	160W	180W	400W
Work Surface Height	/	/	/	740mm
Caster	/	/	/	Universal castor
Main Body Construction	PMMA	PMMA	Cold-rolled steel with anti-bacteria powder coating	
Work Table	304 stainless steel			
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Standard Accessory	Fluorescent lamp, UV lamp*2			Fluorescent lamp, UV lamp*2, Base stand
Gross Weight	40kg	60kg	100kg	150kg
Package Size(W*D*H)	755*600*950mm	1000*700*1200mm	1100*900*1350mm	1270*880*2230mm

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Biosafety Accessories

Infrared Sterilizer

Infrared sterilizer is a gasless, flameless sterilizer. It can prevent dangerous spattering of microorganisms by the infrared heat during the operations of sterilizing the contaminated loops, needles, mouth of tube and small bottle. improves user interface.

SPECIFICATIONS
The maximum temperature is towards 930℃ in 10 minutes after turned on. sterilization only takes five seconds

Two types:
Type I: 37mm dimension of cavity
Type II: 20mm dimension of cavity
Central high-temperature: 825℃±50℃
Size: 150*95*210mm
Weight: 1600g
Voltage: 220 V/50Hz
Power: 180W

Armrest

Alleviate fatigue on operator's arms
Prevent air obstruction
Adjustable height range: 85~100mm

Laboratory Chairs

Economy line- artificial leather
Anatomically designed seat and backrest
Washable, easy to clean, robust and durable
Seat height adjustable by gas lift
Backrest adjustable in height and inclination
Height range: 38-48cm

Necessary Test Tools for Biosafety Cabinet

Airflow Tester
Specifications:
Power supply: 220AC 50/60HZ;110V,60Hz
Input power: 30W Fuse: T2A L (¢ 5×20)
Work style: Intermittent working≤15 min
Maximum atomization velocity: 1.5 ml/min
Maximum volume: 35ml
Working environment:
Environment temperature: 10-40℃
Relative humidity: ≤70% RH
Air pressure range: 860-1060 kpa
Storage environment:
Environment temperature: 10-40℃
Relative humility: ≤95% RH
Air Pressure range: 500-1060 kpa

Dust Particle Counter
Particle size channel:
0.3, 0.5, 1. 0, 3.0, 5.0, 10.0(μm)
Sampling period: 1-10 minutes
Number of sampling point: 2-9
Sampling frequency: 2-9
Sampling uantity: 2.83 S/m

Digital Sound Level Meter
MeasurementRange: 30~130dB
Accuracy: +- 2dB
Resolution: 0.1dB
Sample rate: 4times/s , 1times/s

Illumination Meter
Light Intensity
range: 0-200000LUX
accuracy: ±20LUX
resolution: 1LUX

Air Flow Anemometer
Accurate air velocity measurement
Easy to read display
Digital Illumination Meter

Necessary Tools for Filter Replacement

1.Formalin Fumigation Sterilizer
Sterilize the cabinet with formalin for 8 hours
Model: FX-100
Power supply: 220V/50Hz
Power: 180W
Volume: 100ml

2.Ammonium Hydrogen Carbonate Neutralizer
Sterilize the cabinet with formalin for 8 hours
Model: TZ-100
Power supply: 220V/50Hz
Power: 180W
Volume: 100ml

3.Protective Garment

4.Protective Gloves