Craft Scientific Ltd.

Designers, suppliers & installers of high quality lab furnishings/equipment

HOOD AND CABINET CATALOG

Version 2015

BIOBASE

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.

Work Zone

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

Waterproof Socket

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

Remote Control

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

UV Lamp

Emission of 253.7 nanometers for most efficient decontamination.

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

BIOBASE

NSF Certified Biological Safety Cabinet

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

SS Water Tap &Gas Tap

Work Zone
Unibody design
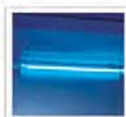
Footmaster Caster
Universal caster with brake and leveling feet.

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 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*860*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

BIOBASE

EN Certified Biological Safety Cabinet

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

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

SS Water tap &Gas tap

Waterproof Socket

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 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≤61 dB/EN 12469≤58 dB	
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

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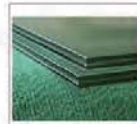
Remote Control
All functions can be realized with it, making the operation much easier and more convenient.

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

Class II A2 Biological Safety Cabinet

BIOBASE

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 ≤ 58 dB / NSF49 ≤ 61 dB
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.

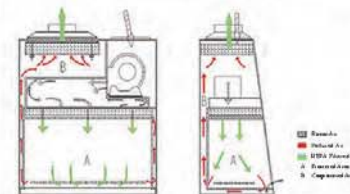B2 Biological Safety Cabinet has higher class of safety protection compared with type A2. It may be used for work with volatile toxic chemicals and radionuclides as required as adjuncts to microbiological studies.

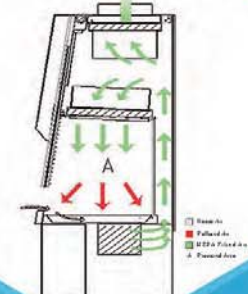Cytotoxic Safety Cabinet

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
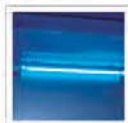
Class II B2 Biological Safety Cabinet

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
Package 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.
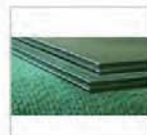
Cytotoxic Safety Cabinet

BIOBASE

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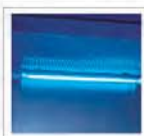
Remote Control
All functions can be realized with it, making the operation much easier and more convenient.

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.
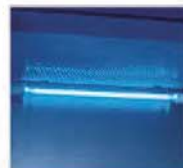
Class III Biological Safety Cabinet

BIOBASE
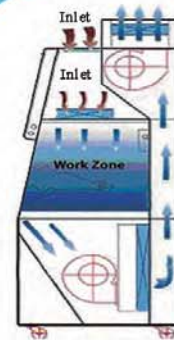
Pass Box
Double doors with interlock function and UV lamp.

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.

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)	1720×850×2100mm
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*1, 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)	1850x1080x2280mm
Standard Accessories	Gloves, fluorescent lamp, UV lamp*4, remote control, pressure meter, drain valve

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.

HEPA Filter

Sash

Room Air
Polluted Air
HEPA Filtere Air
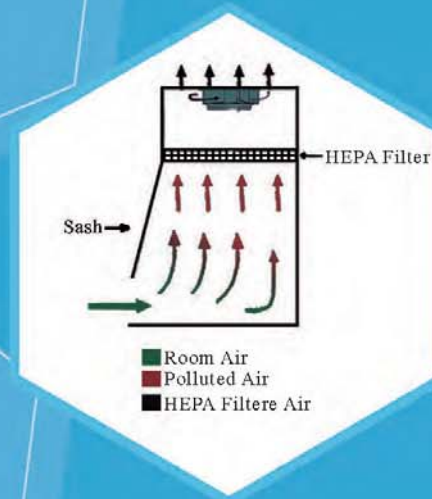
Class I Biological Safety Cabinet

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

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.

Two types:
Type I: 37mm dimension of cavity
Type II: 20mm dimension of cavity
Central high-temperature: 825℃±50℃
Size: 150x95x210mm
Weight: 1600g
Voltage: 220 V/50Hz
Power: 180W

I
II

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

Laminar Flow Cabinet

Laminar Flow Cabinet - sample protection only

Laminar Flow Cabinet is a work bench or similar enclosure, which creates a particles-free working environment by taking air though a filtration system and exhausting it across a work surface in a laminar or unidirectional air stream. The laminar flow cabinet is enclosed on the sides and kept under constant positive pressure in order to prevent the infiltration of contaminated room air.

Laminar flow cabinet is widely used in medical research laboratories, hospital, manufacturing facilities and other research and production environments.

Horizontal Type

Vertical Type

SFDA CE ISO9001 ISO13485

Horizontal Laminar Flow Cabinet

TECHNICAL PARAMETERS

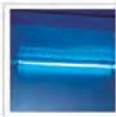| Model	BBS-H1300	BBS-H1800
External Size（W*D*H）	1300*825*2040mm	1800*825*2040mm
Internal Size（W*D*H）	1200*500*570mm	1700*500*570mm
Work Surface Height	750mm	
Display	LCD Display	
Airflow Velocity	Average of 0.3~0.5m/s	
Material	Main Body: Cold-rolled steel with anti-bacteria powder coating	
	Work Table: 304 stainless steel	
	Side and Front Window: 5mm toughened glass, anti-UV	
Pre-Filter	Polyester fiber, washable	
HEPA Filter	99.999% efficiency at 0.3μm	
Noise	<60dB	
Front Window	Motorized	
Max Opening	430mm	
Fluorescent Lamp	28W*1	28W*2
UV Lamp	30W*1 Emission of 253.7 nanometers	30W*1
Consumption	400W	700W
Waterproof Socket	Two, total load≤500W	
Caster	Universal caster with leveling feet	
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
Standard Accessory	Fluorescent lamp, UV lamp*2, Base stand, Gas Tap, Waterproof socket*2	
	Water tap(only for BBS-H1800)	
Gross Weight	254kg	328kg
Package Size（W*D*H）	1450*1060*1650mm	1950*1060*1600mm

LCD Display
Airflow velocity, UV timer, UV work time, system work time, real time.

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

Gas Tap

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination

Side Glass Window
The transparent side glass windows maximize light and visibility inside the cabinet, providing a bright and open working environment.

Horizontal Laminar Flow Cabinet

LED Display
Microprocessor control system, LED display

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

Side Glass Window
The transparent side glass windows maximize light and visibility inside the cabinet, providing a bright and open working environment.

TECHNICAL PARAMETERS

Model	BBS-H1100(Previous name: BBS-DDS)	BBS-H1500(Previous name: BBS-SDS)
External Size（W*D*H）	1060*800*1690mm	1460*800*1690mm
Internal Size（W*D*H）	1040*500*650mm	1440*500*650mm
Work Surface Height	750mm	
Display	LED Display	
Airflow Velocity	Average of 0.3~0.5m/s	
Material	Main Body: Cold-rolled steel with anti-bacteria powder coating	
	Work Table: 304 stainless steel	
	Side Windows: 5mm toughened glass, anti-UV	
Pre-Filter	Polyester fiber, washable	
HEPA Filter	99.999% efficiency at 0.3µm	
Noise	<60dB	
Fluorescent Lamp	21W*1	28W*1
UV Lamp	20W*1 Emission of 253.7 nanometers	30W*1
Consumption	320W	620W
Waterproof Socket	Two, total load≤500W	
Caster	Universal caster with leveling feet	
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
Standard Accessory	Fluorescent lamp, UV lamp*2, Base stand, Waterproof socket*2	
Gross Weight	150kg	179kg
Package Size（W*D*H）	1230*1000*1820mm	1630*1000*1820mm

Vertical Laminar Flow Cabinet

LCD Display
Airflow velocity, UV timer, UV work time, system work time, real time.

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

Gas Tap

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

Side Glass Window
The transparent side glass windows maximize light and visibility inside the cabinet, providing a bright and open working environment.

TECHNICAL PARAMETERS

Model	BBS-V1300	BBS-V1800
External Size（W*D*H）	1310*750*2040mm	1800*750*2040mm
Internal Size（W*D*H）	1200*645*610mm	1700*645*610mm
Work Surface Height	750mm	
Display	LCD Display	
Airflow Velocity	Average of 0.3~0.5m/s	
Material	Main Body: Cold-rolled steel with anti-bacteria powder coating Work Table: 304 stainless steel Side and Front Windows: 5mm toughened glass anti-UV	
Pre-Filter	Polyester fiber, washable	
HEPA Filter	99.999% efficiency at 0.3μm	
Noise	<60dB	
Front Window	Motorized	
Max Opening	430mm	
Fluorescent Lamp	28W*1	36W*1
UV Lamp	30W*1 Emission of 253.7 nanometers	40W*1
Consumption	400W	450W
Waterproof Socket	Two, total load≤500W	
Caster	Universal caster with leveling feet	
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
Standard Accessory	Fluorescent lamp, UV lamp*2, Base stand, Gas Tap, Waterproof socket*2	
Gross Weight	228kg	306kg
Package Size（W*D*H）	1460*1070*1650mm	1960*970*1600mm

Vertical Laminar Flow Cabinet

BBS-DDC/BBS-SDC

BBS-V680

BBS-V800

TECHNICAL PARAMETERS

Model	BBS-V680	BBS-V800	BBS-DDC	BBS-SDC
External Size (W*D*H)	680*410*1160mm	802*650*1550mm	1040*615*1770mm	1440*615*1770mm
Internal Size (W*D*H)	630*375*615mm	800*600*540mm	940*540*545mm	1340*540*545mm
Work Surface Height	/	660mm	750mm	750mm
Display	LED Display			
Airflow Velocity	Average of 0.3~0.5m/s, air speed adjustable.			
Material	Main Body: Cold-rolled steel with anti-bacteria powder coating Work Table: 304 stainless steel			
Pre-Filter	Polyester fiber, washable			
HEPA Filter	99.999% efficiency at 0.3 μm			
Noise	<60dB			
Front Window	/	Manual, 5mm toughened glass, anti-UV		
Max Opening	/	490mm	350mm	350mm
Fluorescent Lamp	14W*1	14W*1	21W*1	28W*1
UV Lamp	15W*1 Emission of 253.7 nanometers	20W*1	18W*1	30W*1
Consumption	160W	350W	350W	600W
Caster	/	Universal wheel with leveling feet		
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Standard Accessory	Fluorescent lamp, UV lamp*2 (for all models) Water & gas tap (for model BBS-V680) Base stand (except model BBS-V680)			
Gross Weight	50kg	116kg	150kg	174kg
Package Size (W*D*H)	840*560*1380 mm	960*800*1800mm	1190*890*1340mm	1590*890*1330mm

Vertical Laminar Flow Cabinet
---Double Sides Type

BIOBASE

LED Display
Microprocessor control system, LED display

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination

Double Sides
Double sides work bench, operators can sit face to face

ADVANTAGE

Double sides work bench, 2~4 operators can work together.

TECHNICAL PARAMETERS

| Model	BBS-DSC	BBS-SSC
External Size (W*D*H)	1040*660*1770mm	1440*660*1770mm
Internal Size (W*D*H)	940*560*545mm	1340*560*545mm
Work Surface Height	750mm	
Display	LED Display	
Airflow Velocity	Average of 0.3~0.5m/s	
Material	Main Body: Cold-rolled steel with anti-bacteria powder coating Work Table: 304 stainless steel	
Pre-Filter	Polyester fiber, washable	
HEPA Filter	99.999% efficiency at 0.3µm	
Noise	<60dB	
Front Window	Manual, 5mm toughened glass, anti-UV	
Max Opening	350mm	
UV Lamp	18W*1 Emission of 253.7 nanometers	30W*1
Fluorescent Lamp	21W*1	28W*1
Consumption	350W	600W
Caster	Universal caster with leveling feet	
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
Standard Accessory	Fluorescent lamp, UV lamp*2, Base stand	
Gross Weight	150kg	174kg
Package Size (W*D*H)	1190*890*1340mm	1590*890*1340mm

Mini Cabinet

BIOBASE

There are two types:

- Vertical laminar flow cabinet BBS-V500: positive pressure in work area only protects sample.

Air Flow Pattern:

BBS-V500

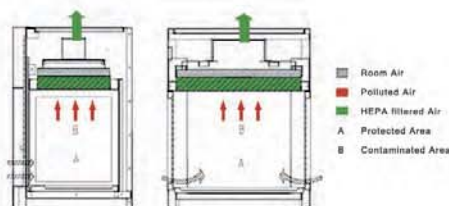|	
Room Air	
Polluted Air	
HEPA filtered Air	
A	Protected Area
B	Contaminated Area
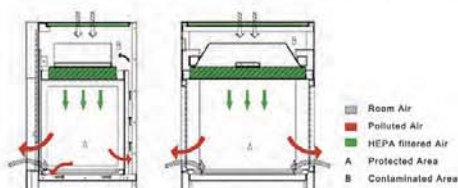
- Class I biological safety cabinet BYKG-VII: negative pressure in work area protects operator and environment.

BYKG-VII

Room Air	
Polluted Air	
HEPA filtered Air	
A	Protected Area
B	Contaminated Area

ADVANTAGE

1. Air speed adjustable.
2. Tabletop type, easy to carry and save space.
3. Microprocessor control system, LED Display.
4. HEPA Filter with efficiency: 99.999% at 0.3μm.

TECHNICAL PARAMETERS

Model	BBS-V500	BYKG-VII
External Size（W*D*H)	550*460*700mm	
Internal Size（W*D*H)	480*340*370mm	
Display	LED Display	
Airflow Velocity	0.3~0.5m/s	≥0.5m/s
Material	Main Body: Cold-rolled steel with anti-bacteria powder coating	
	Work Table: 304 stainless steel	
Pre-Filter	Polyester fiber, washable	
HEPA Filter	99.999% efficiency at 0.3μm	
Noise	<60dB	
Front Window	Manual, 5mm toughened glass, anti UV	
Max Opening	310mm	
Fluorescent Lamp	8W*1	
UV Lamp	8W*1 Emission of 253.7 nanometers	8W*1
Consumption	100W	
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
Standard Accessory	Fluorescent lamp*1, UV lamp*2	
Gross Weight	57kg	63kg
Package Size (W*D*H)	700*610*830mm	700*610*830mm

PCR Cabinet

ADVANTAGE

1. LED display.
2. UV sterilization system.
3. HEPA filter efficiency 99.999% at 0.3µm.
4. Interlock function: UV lamp only can be switched on when the front window is closed, ensuring operator safety.
5. UV timer (1-99 minutes): When the setting time expires, the UV lamp automatically switches off in preparation for the next experiment.

TECHNICAL PARAMETERS

Model	PCR-01
External Size (W*D*H)	1000*705*1770mm
Internal Size (W*D*H)	900*595*560mm
Work Surface Height	750mm
Material	Main Body: Cold-rolled steel with anti-bacteria powder coating
	Work Table: 304 stainless steel
Front & Side Windows	5mm toughened glass, anti-UV
	Manual front window
Max Opening	320mm
Pre-Filter	Polyester fiber, Washable
HEPA Filter	99.999% efficiency at 0.3µm
Airflow Velocity	0.3-0.5m/s, speed adjustable
Noise	≤60dB
UV Lamp	20W*2 Emission of 253.7 nanometers, with UV timer
Fluorescent Lamp	40W*1
Illumination	>1000Lux
Shelf with IV Bar	Stainless steel, 495*140*55mm(W*D*H)
Caster	Universal caster with leveling feet
Consumption	380W
Waterproof Socket	Two, total load≤500W
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz
Standard Accessory	UV lamp*3, Fluorescent lamp, Base stand, Waterproof socket*2, Shelf with IV bar
Gross Weight	150kg
Package Size (W*D*H)	1160*920*1350mm

LED Display
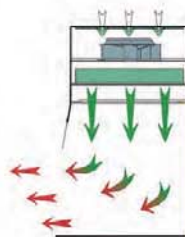LED display: UV timer

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

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

Shelf with IV Bar

⟸ Polluted Air
⟸ HEPA Filtered Air
⟸ Room Air

Side Glass Window
Side glass windows maximize light and visibility inside the cabinet, providing a bright and open working environment.

Fume Hood

Fume Hood is used to protect lab environment and operator during general chemical applications. It actively protects operator from inhaling toxic vapors and dramatically reduces the risk of fire and explosion. By installing proper filter, it can also protect environment.
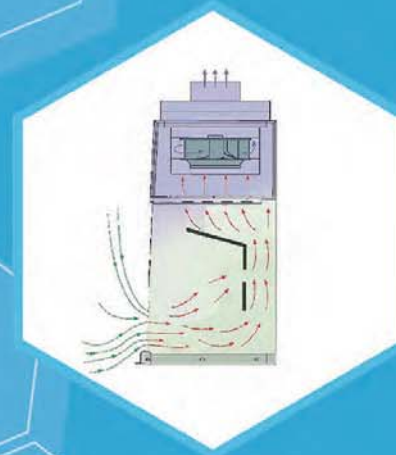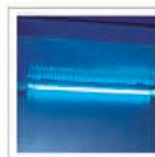
Fume Hood

ADVANTAGE

1. UV Lamp for sterilization.
2. Built-in centrifugal blower.
3. Motorized front glass window.
4. Adjustable air speed: 9 levels.
5. Microprocessor control system, LED display.
6. Double-layer structure: 1.2mm sheet metal surface, melamine board inward.

TECHNICAL PARAMETERS

Model		FH1000	FH1200	FH1500	FH1800
External Size (W*D*H)		1000*750*2320mm	1200*800*2345mm	1500*800*2345mm	1800*800*2345mm
Internal Size (W*D*H)		820*620*750mm	1020*670*750mm	1320*670*750mm	1620*670*750mm
Work Surface Height		850mm			
Max Opening		520mm	570mm	570mm	570mm
Air Velocity		0.3~0.8m/s			
Protection Class		Class I			
Protection Type		IP 20			
Noise		≤60dB			
Exhaust Duct		PVC, Standard length: 4 meters. Φ300mm			
Pipe Strap		1 pc			
Fluorescent Lamp		14W*1	21W*1	28W*1	36W*1
UV Lamp		Emission of 253.7 nanometers for most efficient decontamination			
Blower		Built-in centrifugal blower; Speed adjustable			
Front Window		5mm toughened glass; Motorized; Height adjustable			
Power Supply		AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Consumption		400W	400W	500W	500W
Material	Exterior	Cold-rolled steel with anti-bacteria powder coating.			
	Interior	High grade melamine board with good acid and alkali resistance function			
	Work table	Chemical resistant phenolic resin			
Standard Accessory		UV lamp*2, Fluorescent lamp, Water tap, Gas tap, Water sink, Base cabinet, Pipe strap			
		Total load of 2 waterproof sockets: 500W			
		4 meters PVC exhaust duct			
Optional Accessory		Active carbon filter			
Gross Weight		272kg	302kg	331kg	366kg
Package	Main Body	1150*900*1870mm	1350*950*1920mm	1650*950*1890mm	1950*950*1900mm
	Base Cabinet	1150*900*960mm	1350*950*900mm	1650*960*910mm	1950*960*910mm

LED Display
Digital LED display: Airflow Level

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

Water&Gas Tap
Water Sink

Double Layers
1.2mm sheet metal surface, melamine board inward

Fume Hood

ADVANTAGE

1. UV lamp for sterilization.
2. Motorized front glass window.
3. Adjustable air speed: 9 levels.
4. Alarm when filter working time 3500 hours.
5. With air velocity memory function in case of power failure.
6. Back side air compensation, to avoid turbulence in work area.
7. 10°slope front ergonomics design, fatigue-free working posture.
8. Microprocessor control system, LED display shows filter working time .
9. Transparent side glass windows maximize light and visibility inside the cabinet, providing a bright and open working environment.

TECHNICAL PARAMETERS

Model	FH1000(X)	FH1200(X)	FH1500(X)	FH1800(X)
External Size (W*D*H)	1000*840*2150mm	1200*840*2150mm	1500*840*2150mm	1800*840*2150mm
Internal Size (W*D*H)	880*730*745mm	1080*730*745mm	1380*730*745mm	1680*730*745mm
Max Opening	520mm			
Work Surface Height	750mm			
Blower	Built-in centrifugal blower; Speed adjustable with 9 levels			
Air Velocity	0.3~0.8m/s			
Noise	≤60dB			
Fluorescent Lamp	18W*1	18W*1	36W*1	36W*1
UV Lamp	Emission of 253.7 nanometers for most efficient decontamination			
Front Window	Motorized; 5 mm toughened glass, anti-UV			
Material	Exterior Body: Cold-rolled steel with anti-bacteria powder coating. Work table: Chemical resistant phenolic resin			
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Consumption	400W	400W	500W	500W
Standard Accessory	Water tap, Gas tap, Water sink, Base stand, UV lamp*2, Fluorescent lamp. FH1000(X) with one waterproof socket consumption not more than 500W, the rest models with two waterproof sockets consumption not more than 500W, 4 meters exhaust duct, Active carbon filter, Foot switch			
Gross Weight	230kg	253kg	280kg	340kg
Package Size(W*D*H)	1230*1120*1680mm	1350*1120*1680mm	1650*1120*1680mm	1950*1120*1680mm

LED Display
Digital LED display: Airflow Level

**Water & Gas Tap
Water Sink**

Observation Window
Transparent side glass windows maximize light and visibility inside the cabinet.

Foot Switch
Use foot switch to adjust the height of front window.

Back Side Air Compensation
To aviod turbulence in work area

Fume Hood

ADVANTAGE

1. UV lamp for sterilization.
2. Adjustable air speed: 9 levels.
3. Motorized front window, height adjustable.
4. Microprocessor control system, LED display.

TECHNICAL PARAMETERS

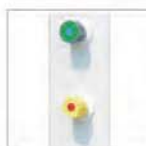| Model	FH1000(A)	FH1200(A)	FH1500(A)	FH1800(A)
External Size (W*D*H)	1040*800*2200mm	1240*800*2200mm	1540*800*2200mm	1840*800*2200mm
Internal Size (W*D*H)	820*670*730mm	1020*670*730mm	1320*670*730mm	1620*670*730mm
Work Surface Height	850mm			
Max Opening	500mm			
Air Velocity	0.3~0.8m/s			
Noise	≤60dB			
Exhaust Duct	PVC, Standard length: 4 meters. Φ300mm			
Pipe Strap	1 pc			
Fluorescent Lamp	14W*1	21W*1	28W*1	36W*1
UV Lamp	Emission of 253.7 nanometers for most efficient decontamination			
Blower	Built-in centrifugal blower; Speed adjustable			
Front Window	5mm toughened glass; Motorized; Height adjustable			
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Consumption	400W	400W	500W	500W
Material — Exterior	Cold-rolled steel with anti-bacteria powder coating.			
Material — Interior	High grade melamine board with good acid and alkali resistance function			
Material — Work Table	Chemical resistant phenolic resin			
Standard Accessory	UV lamp*2, Fluorescent lamp, Water tap, Gas tap, Water sink, Base cabinet / Total load of 2 waterproof sockets: 500W / 4 meter PVC exhaust duct, pipe strap			
Optional Accessory	Active carbon filter			
Gross Weight	230kg	270kg	370kg	420kg
Package — Main Body	1190*990*1690 mm	1390*990*1690 mm	1690*990*1690mm	1990*990*1690mm
Package — Base Cabinet	1290*990*980mm	1390*990*980mm	1690*970*970mm	1990*990*980mm

LED Display

Waterproof Socket

Water&Gas Remote Control

Double Layer
1.2mm sheet metal surface, melamine board inward.

Walk-in Fume Hood

ADVANTAGE

1. Operators are available to walk into the fume hood to operator if needed.
2. Large room exhaust system, suitable for large laboratory instruments and equipment.

TECHNICAL PARAMETERS

Model	FH1200(W)	FH1500(W)	FH1800(W)
External Size (W*D*H)	1200*850*2200mm	1500*850*2200mm	1800*850*2200mm
Internal Size (W*D*H)	1000*650*1500mm	1300*650*1500mm	1600*650*1500mm
Max Opening	1150mm		
Exhaust Airflow Volume	1150m³/h	1500m³/h	1850m³/h
Inflow Air Velocity	≥0.4m/s		
Noise	62dB		
Vibration	XYZ direct ≤ 4μm		
Illumination	≥800Lux		
Fluorescent Lamp	21W*2	28W*2	40W*2
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz		
Consumption	400W	500W	500W
Front Window	Manual,Toughened glass, Anti UV		
Material Exterior	1.2mm cold-rolled steel with bacteria powder coating.		
Material Interior	High grade melamine board with good acid and alkali resistance function		
Standard Accessory	Blower(External), Fluorescent lamp, Water tap, Gas tap, PP cup sink, Remote control water valve, Remote control gas valve, Waterproof sockets*4. Ø300mm PVC Duct		
Sockets	Total load of 4 waterproof sockets: ≤500W		
Package Size(W*D*H)	1410*1050*2430mm	1710*1050*2430mm	2010*1050*2430mm
Exhaust Blower	970*810*580mm	970*810*580mm	970*810*580mm

Water Sink

Water & Gas Remote Control Valve

Water & Gas Tap

Application

Application

PP Fume Hood

ADVANTAGE

1. It is safer to use anti-corrosive water tap.
2. Microprocessor control system, LCD display.
3. Made of porcelain white PP, resistant to strong acid, alkali and anti-corrosion.
4. Front window which is made of thick transparent toughened glass maximize light and visibility inside the fume hood, providing a bright and open working environment.

TECHNICAL PARAMETERS

Model		FH1000(P)	FH1200(P)	FH1500(P)	FH1800(P)
External Size (W*D*H)		1040*750*2200mm	1240*800*2200mm	1540*800*2200mm	1840*800*2200 mm
Internal Size (W*D*H)		820*520*872mm	1020*570*872mm	1320*570*872mm	1620*570*872 mm
Work Surface Height		700mm			
Max Opening		815mm			
Air Velocity		0.4~0.6m/s			
Noise		≤60dB			
Fluorescent Lamp		12W*1	30W*2	30W*2	30W*2
Blower		Built-in axial flow blower; Speed adjustable.			
Front Window		Manual, 5mm toughened glass, height adjustable.			
Power Supply		AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Consumption		330W	360W	360W	360W
Material	Main Body	Made of Porcelain white PP, thickness 8mm, resistant to strong acid, alkali and anti-corrosion			
	Work Table	Chemical resistant phenolic resin			
Standard Accessory		Fluorescent lamp, Water tap, Gas tap, Water Sink, Base cabinet			
		Waterproof socket*2			
		4 meters PVC duct, Diameter: 250mm			
Optional Accessory		PP work table, epoxy resin board or ceramic board.			
		Outer centrifugal blower, resistant to strong acid, alkali.			
Gross Weight		160kg	198kg	225kg	259kg
Package Size (W*D*H)	Main Body	1110*900*1870mm	1310*885*1575mm	1610*885*1575mm	1910*885*1575mm
	Base Cabinet	1110*790*950mm	1310*840*950mm	1610*840*950mm	1910*840*1575mm

LCD Display

Waterproof Socket

PP Sink resistant to strong acid, alkali and anti-corrosion

Water&Gas Remote Control

Clean Booth (Down Flow Booth)

Customization Available

Reference Picture

Reference Picture

Design Drawing

Microprocessor Control
Users can control the fan, light, UV and adjust the air velocity with it.

FFU(Fan Filter Unit), which draws in contaminated air from the top of the module, and exhausts filtered clean air vertically in a unidirectional (laminar) air stream at its base, is a self-contained fan and filter module for clean room applications.

Soft Wall Material
PVC anti-static dustproof curtain.

INTRODUCTION

Clean booth is a kind of air purifying equipment providing partial high clean environment, It's the easiest and fastest way to build a simple clean room. Equipped with a lot of clean level and space collocation, it can be designed as request. Main characteristics: simple use, good flexibility, easy installation, short construction time, and movable. It can be installed in part of clean room of general level which requires high cleanliness to save cost.

FEATURES

1. Customized design is welcomed.
2. It can be used singly or combined.
3. Compared with civil type and fabricated type clean room of hundred clean level, it has low running cost and fast effect and can be easily installed.
4. Modular construction, easy to increase clean level, good expansion and reusable, convenient movement (Universal wheel can be installed).

TECHNICAL PARAMETERS

Model	BKCB-1500	BKCB-2000	BKCB-3000	BKCB-5000
External Size（W*D*H）	1500*2000*2500mm	2000*3000*2500mm	3000*4000*2500mm	5000*5000*2500mm
HEPA Filter	99.999% efficiency at 0.3μm			
Consumption	500W	800W	1000W	1600W
Weight	350kg	420kg	570kg	820kg
FFU Nos.	4 pcs	6 pcs	12 pcs	25 pcs
Clean Level	ISO 5 (Class 100), Class A			
Control System	Microprocessor control system			
Rectangular Tube Material	Cold-rolled steel with anti-bacteria powder coating			
Wall Material	Anti-static dustproof curtain			
Blower	Built-in centrifugal blower; speed adjustable			
UV Lamp	Emission of 253.7 nanometers, with UV timer			
Air Velocity	0.1~0.6m/s,average 0.45m/s			
Noise	≤58db			
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Gross Weight	310kg	670kg	720kg	1300kg
Package Size(W*D*H)	2150*880*900mm 2300*700*500mm	1200*1200*950mm 1200*1200*950mm 3150*1200*950mm	2200*1180*950mm 2200*1180*950mm 2150*1100*450mm	2200*1180*950mm 2200*1180*950mm 2200*1180*950mm 2200*1180*950mm 2650*1300*550mm

Customized design for clean level, size or material is available

Dispensing Booth (Sampling or Weighing Booth)

Customization Available

Reference Picture

Air Flow Pattern

Differential Pressure Gauge
Dwyer make Magnehelic gauges are used to measure the pressure drop HEPA filter 0-500 Pa.

LCD Display
Microprocessor control system

Reference Picture

Soft Wall Material
PVC anti-static dustproof curtain.

INTRODUCTION

Dispensing booth is a kind of partial purifying equipment for filling, refilling, weighing and sampling of raw material and compounds. It is provided with HEPA filter, which prevents the airborne dusts by down draught technique. The unit eliminates powder contamination to protect the operator and the surrounding environment.

Dispensing booth is also called sampling booth or weighing booth.

FEATURES

1. Customized design is welcome.
2. Unique designed air duct effectively controls the noise.
3. Smooth transitions of wall and ground can eliminate the blind angle.
4. Differential pressure gauge is equipped to real-time monitor the filters.
5. Intelligent control mode and alarm system ensure the reliability of running.
6. Automatic changeable frequency system monitors the air velocity to ensure its stability in the work area.
7. Uniform flow design of main working area can protects the operators and prevent environmental pollution and cross contamination of products.

TECHNICAL PARAMETERS

Model	BKDB-1200	BKDB-1800	BKDB-2400
Clean Level	ISO 5 (Class 100), Class A		
HEPA Filters	99.999% efficiency at 0.3μm		
Air volume	Supply air volume: ≤7500m³/h, Exhaust air volume: ≤2250m³/h; Adjustable		
Material	Fully stainless steel		
Air Velocity	0.35~0.65m/s, adjustable		
Noise	≤75db		
Illumination	≥800lux		
UV Lamp	Emission of 253.7 nanometers, with UV timer		
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz		
Consumption	400W	800W	800W
Weight	150kg	200kg	250kg
Work Area Size(W*D*Y)	1200*1200*2000mm	1800*1800*2000mm	2400*1800*2000mm
Gross Weight	420kg	750kg	840kg
Package Size (W*D*H)	1500*2000*2650mm	2040*1680*2180mm 2040*1400*600mm 2040*1940*1060mm	2600*800*2150mm 2600*700*400mm 2600*1900*550mm

Customized design for clean level, size or material is available

Pathology Workstation

APPLICATION

Pathological sampling bench is widely used in hospital pathology department, pathology laboratory, etc. Reasonable ventilation system protects operator away from the harmful gas produced by the formalin during sampling. The hot & cold water system ensures it can adapt work in different climates.
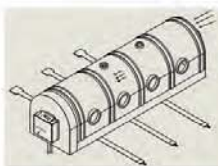
ADVANTAGE

1. Odor-remove function.
2. Single water sink, two-person operations.
3. Exhaust air system: High-power suction device, low noise.
4. Optional water heater is available, realizing hot & cold water adjustment.
5. The base cabinet is inward-concave type, convenient for sitting operation.
6. Optional pulverizer can completely smash the waste during test, to avoid blocking drainage pipes.
7. Automatic flushing device, slightly right-side inclined worktable, easy for waste discharge and cleaning.

TECHNICAL PARAMETERS

Model		QCT-1000	QCT-1500	QCT-1800
External Size (W*D*H)		1000*750*1950mm	1500*750*1950mm	1800*750*1950mm
Working Area Size (W*D*H)		895*430*900mm	1395*430*900mm	1695*430*900mm
Work Surface Height		900mm		
Consumption		470W	520W	550W
Optional Water Heater		1500W		
Power Supply		AC220V±10%, 50/60Hz; 110V±10%, 60Hz		
Exhaust Airflow Volume		1150-1250m3/h		
Material	Main Body	304 stainless steel, thickness 1.2mm		
	Work Table	304 stainless steel, thickness 1.5mm		
Standard Accessories		Spotlight; UV lamp; Fluorescent lamp; Exhaust system; Auto flushing device; Stainless steel hanger; Adjustable hot and cold water tap; 180mm deep stainless steel water sink, funnel with filter. Active carbon filter		
Optional Accessories		Pulverizer, Electrical water heater, Automatic induction hand dryer, Eye washer, Camera.		

Configuration
UV Light;
Fluorescent Light;
Adjustable Spotlight;
Stainless Steel Hanger;
"UV, FAN, LIGHT, PULVERIZER" Control.

Suction Inlet
Suction inlet adopts louver-type. The upper mouthing structure ensures above blower suction, avoiding air back-streaming.

Water Tap & Sink
Stainless steel;
Whole-structure.

Auto Flushing Design
Automatic flushing device, slightly right-side slope worktable, easy to waste discharge and cleaning.

Pulverizer (Optional)
Completely smash the waste during test, to avoid blocking drainage pipes.

Biological Isolation Chamber

INTRODUCTION

Isolation chamber is equipped with its own negative pressure filtration system to provide maximum protection and operational safety for both the contaminated person or item and the operational team.

ABS Poles

Negative Generation System

Zipper System

Utility Portals

Charger

HEPA Filter

Belt

Glove Portals

FEATURES

1. The chamber negative pressure will be up to -15pa only in 2 minutes after power on.
2. The Isolation chamber can be used with a stretcher, which will be easy to move the patient.
3. The "all around" zipper system allows for the chamber to open completely giving easy operator accessibility.
4. Isolation chamber complete with Batteries for up to 8 hours of continuous use before battery charge required.
5. Isolation chamber is a fully collapsible unit that requires minimal storage space and is ready for use within seconds.
6. The chamber liner is made from a special TPU film and strengthened by inserting ABS poles along each side of the structure.
7. Belt system enables the patient to be fastened while in the chamber or the chamber is securely fastened to a stretcher or bed.
8. The chamber has ten integrated glove portals on three sides to allow for easy access to the patient and two utility portals used for infusions and other medical equipment.

TECHNICAL PARAMETERS

Model	BFG-I	BFG-II
Unfolded Size (L*W*H)	1900*690*500mm	1000*500*500mm
HEPA Filter	4pcs, 99.999% efficiency for 0.3μm particles	
Airflow Rate	67±10%（m³/h）	
Chamber Noise	<47dB(A)	
Alarm	Audio and visual alarm for internal pressure insufficient and low power	
Negative Pressure	Up to -15Pa in two minutes after power on	
Standard Accessories	The main chamber, 4pcs disposable HEPA filter, Negative generation system, 20pcs PVC gloves, Battery and charger	
Consumables	HEPA filter, PVC gloves	
Disinfection	Disinfect the isolation chamber for 6 hours with ethylene oxide gas (600mg/L) under the condition of temperature 54℃ and relative humidity 80%	
Optional	Stretcher	
Load-Bearing	Up to 150kg	
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz, Battery voltage: DC12V	
Package Size (L*W*H)	770*570*640mm (carton box)	770*570*540mm (carton box)
Net Weight	18kg	15kg
Gross Weight	20kg	18kg

Chicken Isolator

BIOBASE

INTRODUCTION

Positive pressure isolator or Negative pressure isolator can be chosen.
BCI-I Chicken Isolator is designed for SPF chicken feeding and poultry disease testing.

ADVANTAGE

1. Automatic feed water system, labor saving.
2. Special sealing design, ensure good sealing performance.
3. Manipulation of the chicken can be realized via gloves from both sides.
4. Adopt full 304 stainless steel material, high quality accessories, such as Butyl gloves, HEPA filter etc.
5. Filtration system, can protect animals, environment and operator.
   Pre-filter→ main HEPA filter→Filter cotton.
6. Three sterilization ways available.
   ① UV lamp for sterilization.
   ② Reserved hole for hot steam sterilization.
   ③ Reserved hole for disinfectant spraying sterilization.
7. Unique defecation system & fecal leakage shelf. Animal wastes drop from shelf to bottom fecal collection film, then pull of collecting film and clean out wastes conveniently and quickly, reduce the cleaning frequency.

TECHNICAL PARAMETERS

Model	BCI-I
External Size (W*D*H)	2200*850*1800mm
Animal Activity Area(W*D*H)	1600*750*820mm
Waste Collection Area(W*D*H)	1600*750*250mm
Display	LED display: temperature, humidity, temperature adjustable(10-50℃), with fan, fluorescent lamp, UV lamp keys
Air Change Rate	≥20 times/h
Airflow Velocity	0.1m/s~0.2m/s within the chicken living space
Falling Bacteria (numbers/utensil/hour)	0
Filter	Pre-filter, Mid-filter, HEPA (H14) filter
Noise	≤70dB
Alarm	High and low temperature alarm
Caster	Universal caster with brake and leveling feet
Rated Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz
Rated Consumption	700W
Standard Accessories	Pre-filter*2, HEPA filter*2, filter cotton, UV lamp, heating lamp*2, fluorescent lamp, high quality butyl gloves*6 (pairs), feeding and drinking system

LED Display
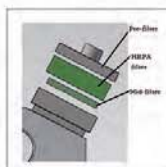Temperature and humidity, with fan, UV lamp, fluorescent lamp, heating lamp control buttons.

Depressurization Type Water Tank
With automatic feed water system, labor saving

Footmaster Caster
Universal caster with brake and leveling feet, easy to move and fix

Filters Pattern

Air Purifier

QRJ-128

KJH-350

KJY-230

FEATURES

Air Purifier is an air purification equipment, which is widely used in hospital, small clinic, laboratory, office, meeting room and house etc. it can protect your life and your health through filtering dust, germ and virus in the air.

ADVANTAGE

1. Low noise.
2. Filter life indicator.
3. Adjustable air velocity.
4. Touch screen control panel.
5. HEPA filter, 99.999% efficiency at 0.3 μm.
6. Intelligent timing function, timing range 1h, 2h, 3h for QRJ-168III.
7. QRJ-168III and KJY series could be used to eliminate formaldehyde.
8. Three filters for QRJ-168III: HEPA filter, active carbon filter and sub-high efficiency filter.

TECHNICAL PARAMETERS

Model	QRJ-128	QRJ-168III	KJH-350	KJY-230	KJW-120A
External Size(W*D*H)	900*60*1400mm	370*380*550mm	391*45*603mm	360*195*565mm	440*252*438mm
Filter	HEPA filter	HEPA filter, active carbon filter and sub--high efficiency filter.	/	HEPA filter	/
Optimal Space	20m²	15m²	40~60m²	40m²	40m²
Noise	<60dB	<50dB	<65dB	<55dB	32dB
Consumption	60w	34W	65W	65W	27W
Adjustable Air Speed	7 levels	20 levels	4 levels	3 levels	3 levels
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz				
Cleanness at Outlet	Class 100				
Gross Weight	40kg	16kg	13.5kg	6.5Kg	7.5Kg
Package Size(W*D*H)	1090*455*1600mm	420*430*605mm	478*318*690mm	402*226*607mm	495*295*490mm

Air Shower

Air shower is a necessary passage for person entering clean room in order to minimize the amount of particulate contaminant, achieve workplace strict clean purification standards. Personnel move through the air shower while particulate contaminants are blew off by the clean high speed air. So the duct can't be brought into clean area.

Features

1. Photoelectric sensor, automatic blowing.
2. Designed with circulation wind to ensure the cleanness of shower area under non-shower status.
3. Double doors with electric interlock.
4. LED display with adjustable blowing time (0 ~ 99min).
5. HEPA Filter, Class 100 cleanness.

Model	AS-1P1S	AS-1P2S	AS-2P2S
External Size(W*D*H)	1300*1000*2050mm	1500*1000*2050mm	1500*2000*2050mm
Shower Area Size(W*D*H)	800*890*1930mm	800*890*1930mm	800*1890*1930mm
HEPA Filter	99.999% efficiency at 0.3μm		
Spraying Wind Speed	25m/s		
Air Shower Time	0-99min(adjustable)		
No.of SS Nozzles	6	12	12
Fluorescent Lamp	20W*1	20W*1	20W*2
Consumption	1000W	1500W	2000W
Cabinet Material (Optional)	1. Full cold-rolled steel with powder coating. 2. Internal stainless steel,external with cold-rolled steel. 3. Full stainless steel.		
Door Material (Optional)	1.Cold-rolled steel with powder coating. 2. Stainless steel.		
Chassis	Stainless steel		
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz		

Pass Box

Pass Box is used to transfer goods between rooms of different clean levels of clean room. It can reduce times of opening door, prevent the air convection between different rooms and minimize the pollution extent.

Type	Pass Box			Air Shower Pass Box		
Model	PB-01	PB-02	PB-03	ASPB-01	ASPB-02	ASPB-03
External Size(W*D*H)mm	660*500*580	760*600*680	860*700*780	660*500*1400	760*600*1500	860*700*1600
Internal Size(W*D*H)mm	500*500*500	600*600*600	700*700*700	500*500*500	600*600*600	700*700*700
Material	Stainless steel					
Interlock	Electronical					
UV Lamp	30W*1					
HEPA Filter	/	/	/	Efficiency ≥ 99.999% at 0.3μm		
Clean air speed	/	/	/	0.36 - 0.54m/s		