



BIOBASE®



Version 2012

Biobase Biodustry (Shandong) Co., Ltd.

INTRODUCTION

BIOBASE is a professional manufacturer of laboratory products from 1999. Our main products are Biosafety Cabinet(Class I/II/III), Laminar Flow Cabinet, Fume Hood, Biochemistry Analyzer, Refrigerator, Air Shower and Incubator.

We have 530 employees and 20,000 square meters production base, our output per year is amount to 10,000 units. Pursuing the highest quality is the tenet of Biobase. We hope everybody will enjoy BIOBASE service to keep away from the infectious disease.

Our advantage:

- We built an excellent research team which consists of 50 professional engineers
- We have 13 years production experience and a strong technical production team, we adopt high-tech and state-of-the-art production equipments from Italy, Japan, and Switzerland, etc.
- We have a strong quality control team to inspect all production stage, from the purchased.accessory to the finished products.
- We have full sets of advanced quality assurance equipments.
- We have ISO9001 quality management system; ISO14001 environmental management system, ISO13485, CE mark, MET and NSF 49 certificate.



ISO 9001



ISO 13485



ISO 14001



Certificates



NSF



MET



CE-Biological Safety Cabinet



CE-Laminar Flow Cabinet



CE-Fume Hood



CE-Incubator

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Introduction of Class II Biosafety Cabinet

Biosafety Cabinet (BSC) is designed to protect the operator, the laboratory environment and work materials from exposure to infectious aerosols and splashes that may be generated when manipulating materials containing infectious agents, such as primary cultures, stocks and diagnostic specimens. According to different protection objects and levels, it could be divided into Class I, II and III. Class II is the most popular type.

The Class II Biosafety Cabinet is designed with inward air flow at a velocity (0.55 m/s) for personnel protection, HEPA-filtered vertical laminar airflow for product protection, and HEPA-filtered exhausted air for environmental protection.

Advantage of BIOBASE Class II Biosafety Cabinet:

1. Remote Control. All functions can be realized with it, making the operation much easier and convenient.
2. Motorized Front Window.
3. Foot Switch. The height of the front window can be adjusted by foot during experiment. This can avoid work area airflow turbulence caused by arm movement.
4. Work area surrounded by negative pressure, it can ensure maximum safety in work area.
5. Time Reserve Function.
6. Audio and visual alarm (Filter replacement, Window over height, Air flow abnormal etc).
7. HEPA Filter life and UV Life Inquiry.
8. Air speed adjustable.
9. Interlock Function: UV lamp and front window; UV lamp and blower, fluorescent lamp; Blower and front window.
10. Most accessories are standard. No need to pay more, save your money.

According to the following performance criteria:

1. US Standard ANSI/NSF49:2002
2. European Standard EN12469:2000
3. Chinese Standard YY0569-2005
4. Australian Standard AS 2252.2-2004
5. Japanese Standard K3800

Class II BSC is classified into two types (A2 and B2) based on construction, air flow patterns and exhaust systems. Basically, Type A2 cabinets are suitable for work with microbiological research in the absence of volatile or toxic chemicals and radionuclide, since air is recirculated within the work area.

BIOBASE

11231 BBC86

Biosafety Cabinet, Class II A2

Length:70 cm,Width:65 cm,Weight:80kg.



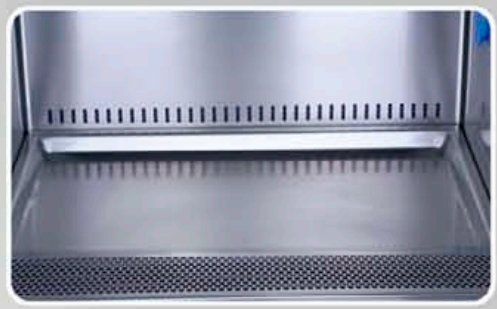
11231BBC86 Advantage:



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

External Size(W*D*H)	700*650*1230 mm	Internal Size (W*D*H)	600*500*540 mm
Tested Opening	Safety Height ≤200 mm		
Max Opening	400 mm		
Inflow Velocity	0.53 m/s	Downflow Velocity	0.33 m/s
Filter	Two HEPA filters, 99.999% efficient(0.3 microns)		
Front Window	Two-layer laminated toughened glass, 5mm		
UV Lamp	18W*1	Fluorescent Lamp	14W*1
Lighting(Lux)	≥800	Noise	≤ 60dB
Consumption	500W	Waterproof Socket	2*250W(max)
Display	LCD display	Control System	Microprocessor
Material	Work zone: 304 stainless steel. Body: Epoxy coated cold rolled steel, ABS front panel.		
Clean Level	Class 100		
Weight	Net weight: 80kg Gross weight:110kg		
Package Size(W*D*H)	950*850*1430 mm		
Standard Accessory	2 UV lamp, Fluorescent lamp, Remote control, Fuse		
Optional Accessory	Base stand, Armrest, Formalin fumigation sterilizer, Ammonium hydrogen carbonate neutralizer, Air curtain tester, Infrared Sterilizer		

Class II A2 Biosafety Cabinet

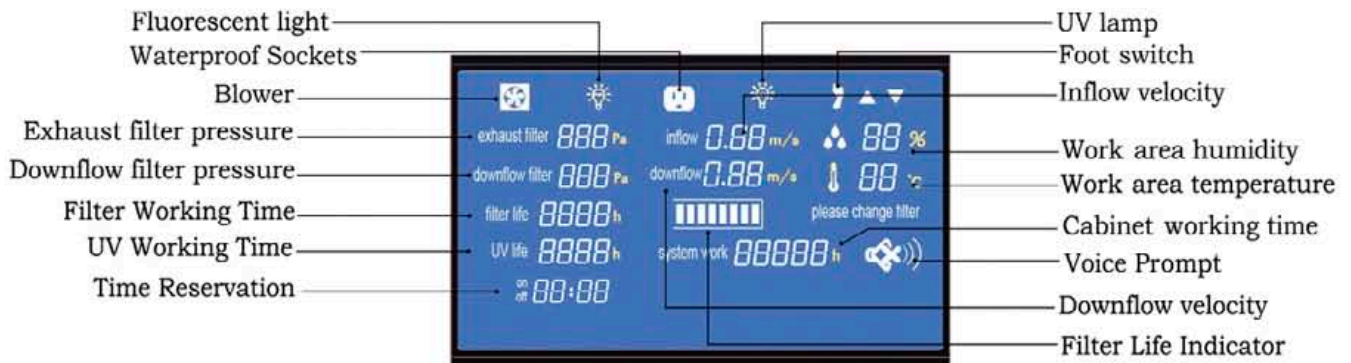


Class II A2 Biosafety Cabinet 11239BBC86



BIOBASE 11239BBC86 Advantages:

1. Large LCD display. You can find all the information on the screen.



2. Remote Control. Every function can be realized 6 meters away from the cabinet by remote control, which can protect the operators under emergency.

3. Automatic front window. One finger can adjust the height of front window.

4. Time reserve function. It can save half an hour waiting time after you active the cabinet and the sterilization waiting time after experiment finishing.
5. Negative pressure plenum surrounds contaminated positive pressure plenum.
6. Digital display of air pressure, air velocity and temperature.
7. Voice prompt function.

Technical Parameters:

Model	11239BBC86
External Size(W*D*H)	1380*750*2290mm
Internal Size(W*D*H)	1220*600*660mm
Tested Opening	Safety Height ≤ 200mm
Max Opening	400mm
Inflow Velocity	0.53m/s
Downflow Velocity	0.33m/s
Main Filter	Two HEPA Filters, Efficiency 99.999% at 0.3 um
Front Window	Motorized. Two-layer laminated toughened glass > 5mm.
Noise	EN 12469 ≤58 dB, NSF/ANSI 49 ≤61 dB
UV Lamp	30W*1
Fluorescent Lamp	40W*2
Illumination	≥ 1000Lux
Water and Gas Tap	Water Tap*1, Gas Tap*1
Waterproof Socket	2*250W(Max)
Display	LCD Display
Control System	Microprocessor
Airflow System	70% air recirculation, 30% air exhaust
Material	Work Zone: 304 stainless steel
	Main Body: Cold-rolled steel with anti-bacteria powder coating
Base Stand	Height is 635mm
Caster Wheel	Universal Wheel
Consumption	600W
Power Supply	110/220V+10%, 50/60Hz
Gross Weight	400kg
Standard Configuration	Remote control, Foot switch, UV lamp, Fluorescent lamp, Base stand

NSF Certified Biosafety Cabinet(4')



VFD Display



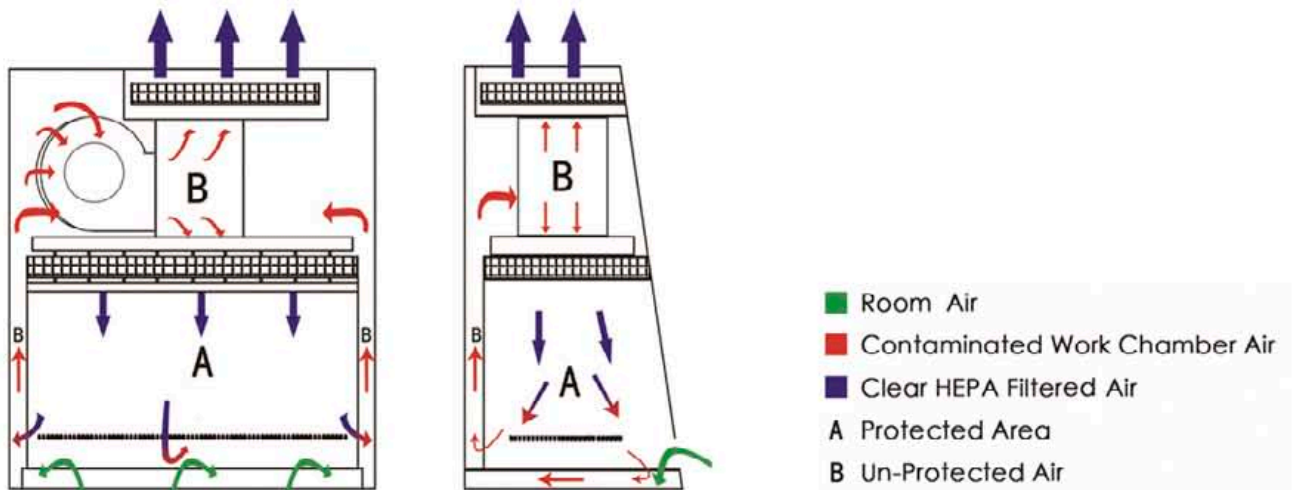
Water & Gas Tap



Waterproof Socket

Features:

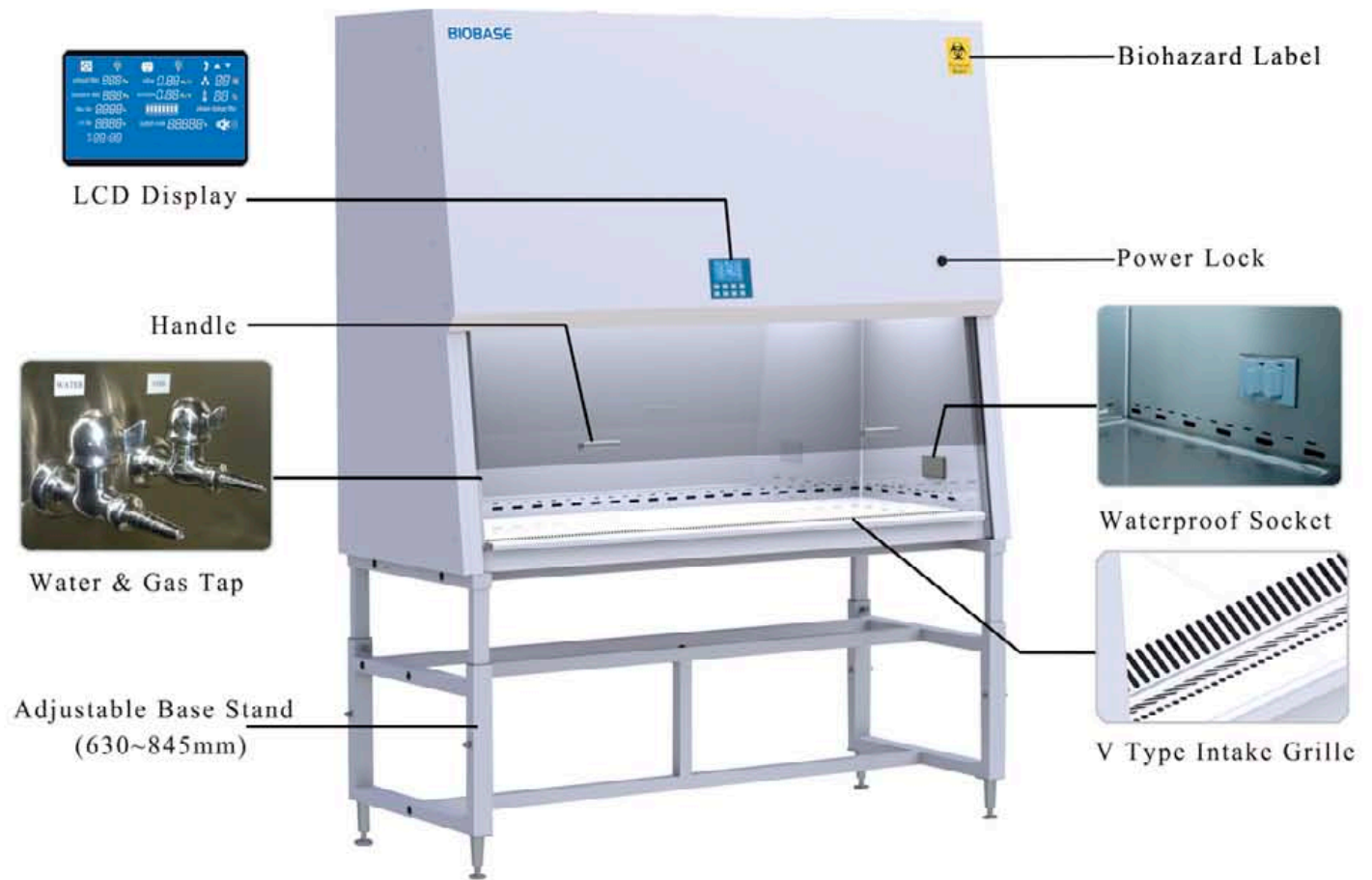
- 1.VFD display: it can demonstrate various colors with high bright, even in the evening. It can work no less than 30,000 hours continually.
- 2.Adjustable base stand,height range:630~845mm.
- 3.One-Piece removable work table, easy to clean.
- 4.Filter, Blower and fluorescent lamp working time inquiry.



Technical Parameters:

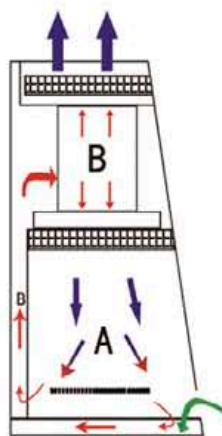
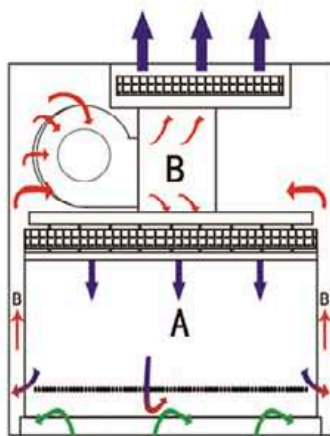
Model	11228BBC86(4')	
External Size(Upper Body)(W*D*H)	1421*850*1550mm	55.9"*33.4"*61"
Internal Size (W*D*H)	1220*665*650mm	48"*26.1"*25.6"
Base Stand	Adjustable height, range:630mm-845mm	
Max Opening	450mm (20")	
Tested Opening	Safety Height ≤ 200mm (8")	
Average Airflow Velocity	Inflow Velocity: 0.53 m/s(105 fpm)	
	Downflow Velocity: 0.35 m/s(70 fpm)	
Airflow Volume	Inflow	465 m ³ /h (275 cfm)
	Downflow	67%:956 m ³ /h (571 cfm)
	Exhaust	33% :465 m ³ /h (275 cfm)
HEPA Filter	Efficiency 99.999% at 0.3 um	
Noise	NSF 49 ≤61 dB / EN 12469 ≤58 dB	
Illumination	>850Lux	
Material	Working Area:1.5mm 304 stainless steel and outside decorative plate	
	Frame: Cold-rolled steel with anti-bacteria powder coating	
Motors	One ECM motor	
	Speed adjustable, high efficiency and low power consumption, 110V & 220V acceptable	
Glass Control	Motorized	
Display	VFD	
UV	30W germicidal UV lamp	
	Emission of 253.7 nanometers for most efficient decontamination	
Waterproof Socket	One, 5 holes, 500W(Max)	
Tap	Water Tap*1, Gas Tap*1	
Filter Guard Type	Aluminium Alloy	
Ground Resistance	< 0.10 Ω	
Consumption	400W	
Power Supply	AC110V,60HZ,Full load Amps:9A, BTU/Hr. 1689	
Standard Accessory	Fluorescent lamp,UV lamp,5m Power cord,Fuse tube(six),Base stand,SS water & gas taps	
Package Size(W*D*H)	1600*1050*1870mm	
Gross Weight	330KG	

NSF Certified Biosafety Cabinet(3'&6')



Advantage:

1. Large LCD display. You can find all information on the screen..
2. Adjustable base stand, height range: 630~845mm.
3. One-Piece removable work table, V type intake grille.

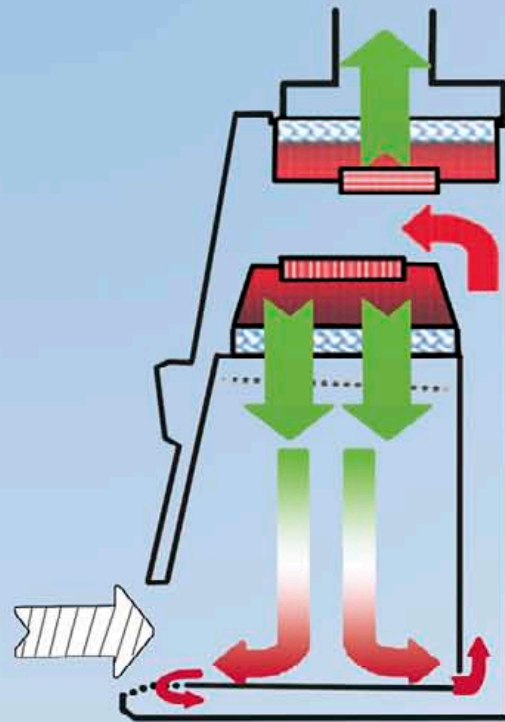


- Room Air
- Contaminated Work Chamber Air
- Clear HEPA Filtered Air
- A Protected Area
- B Un-Protected Air

Technical Parameters:

Model	11235BBC86(3')	11236BBC86(6')
External Dimension (Upper Body)(W*D*H)	1100*740*1550mm 43.3"*29.1"*61"	1886*750*1555mm 74.3"*29.5"*61"
Internal Dimension (W*D*H)	914*600*610mm 36"*23.6"*24"	1700*600*610mm 66.9"*23.6"*24"
Base Stand	Adjustable height, range:630mm-845mm	
Max Opening	450mm (20")	
Tested Opening	Safety Height ≤ 200mm (8")	
Average Airflow Velocity	Inflow Velocity: 0.53 m/s(105 fpm) Downflow Velocity: 0.35 m/s(70 fpm)	
Airflow Volume	Inflow	349m ³ /h (205cfm) 649 m ³ /h (382 cfm)
	Downflow	61%:550m ³ /h(323cfm) 61%:1006 m ³ /h (592 cfm)
	Exhaust	39% :349 m ³ /h (205 cfm) 39% :649 m ³ /h (382 cfm)
HEPA Filter	Efficiency 99.999% at 0.3 um	
Noise	NSF 49 ≤61 dB / EN 12469 ≤58 dB	
Illumination	>850Lux	
Material	Working Area:1.5mm 304 stainless steel and outside decorative plate	
	Frame: cold-rolled stel sheets with electrostatic coating	
Motors	One ECM motor	
	Speed adjustable, high efficiency and low power consumption, 110V & 220V acceptable	
Glass Control	Manual	Manual
Display	LCD	LCD
UV	18W germicidal UV lamp	40W germicidal UV lamp
	Emission of 253.7 nanometers for most efficient decontamination	
Waterproof Socket	One, 5 holes, 500W(Max)	
Tap	Water Tap*1, Gas Tap*1	
Filter Guard Type	Aluminium Alloy	
Ground Resistance	< 0.10 Ω	
Consumption	260W	300W
Power Supply	AC220V-110V,50Hz/60HZ, Full load Amps:9A, BTU/Hr.1689	AC220V-110V,50Hz/60Hz, Full load Amps:9A, BTU/Hr. 1689
Standard Accessory	Fluorescent lamp,UV lamp,5m Power cord,Fuse tube(six),Base stand,SS water & gas taps	
Package Size(W*D*H)	1250*915*1890(mm)	2040*915*1920(mm)
Gross Weight	280KG	380KG

Class II A2 Biosafety Cabinet:11237BBC86 EN12469:2000



Class II Biosafety Cabinet 11237BBC86 delivers maximum safety, comfort and convenience. Featuring an advanced design for easy operation and maximum safety, it could be used wherever protection is of paramount importance in safety levels 1 to 3, including research, pharmaceutical quality control labs, pharmacies, clinics and hospitals.



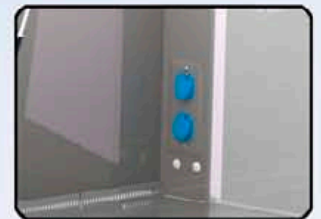
Powerful UV-irradiation at the back side of the work area illuminates the entire working area without causing shadows.



Easy to read digital LCD display allows convenient "at a glance" monitoring of safety parameters and ergonomically sized control panel improves user interface.



Remote control for convenient operation



Waterproof Socket



Three pieces 304 stainless steel work table

Features:

- 1.The hinged front window can be fully opened for easy and thorough cleaning of the unobstructed rear wall and all interior surfaces.
- 2.The transparent side glass windows maximize light and visibility inside the cabinet, providing a bright and open working environment.
- 3.The 10° sloped front allows an ergonomic, fatigue-free working posture.
- 4.The front window is motorized for convenient, one-hand operation. The window control is mounted on the front control panel.
- 5.When fully lowered the front window, it seals automatically against a closed-cell peripheral gasket to isolate the interior and prevent escape of contaminants during decontamination.
- 6.Front window can be closed manually in case of power failure.

Technical Parameters:

External Size(W*D*H)	1300*790*2310mm
Internal Size(W*D*H)	1200*600*770mm
Work Surface Height	750mm
Max Opening	480mm
Tested Opening	200mm
Average Airflow Velocity	Inflow: 0.5m/s(98.4fpm), Downflow: 0.36m/s(71fpm)
Airflow Volume	Inflow: 430m ³ /h(270cfm), Downflow: 720m ³ /h(430cfm) Exhaust: 360m ³ /h(220cfm)
Noise	EN12469:≤60dB
HEPA Filter	Efficiency 99.999% at 0.3 um
Illumination	≥1000lux
UV Lamp	30W germicidal UV lamp.Emission of 253.7 nanometers for most efficient decontamination
Material	Main body: Cold-rolled steel coated with anti-bacteria powder
	Work surface: 304 stainless steel,three pieces
	Side and front window: Two-layer laminated toughened glass
Electrical (220-240V,AC,50Hz)	Cabinet consumption/Amp: 430W/2.1A
	Total load of 4 sockets: ≤500W
	Socket amp fuse: 6.3A
	BTU/Hr: 1466
Standard Accessory	4 Sockets,Base stand,Remote control,Fluorescent lamp,UV lamp
Gross Weight	300KG
Package Size(W*D*H)	1480*1000*1760mm

Class II A2 Biosafety cabinet

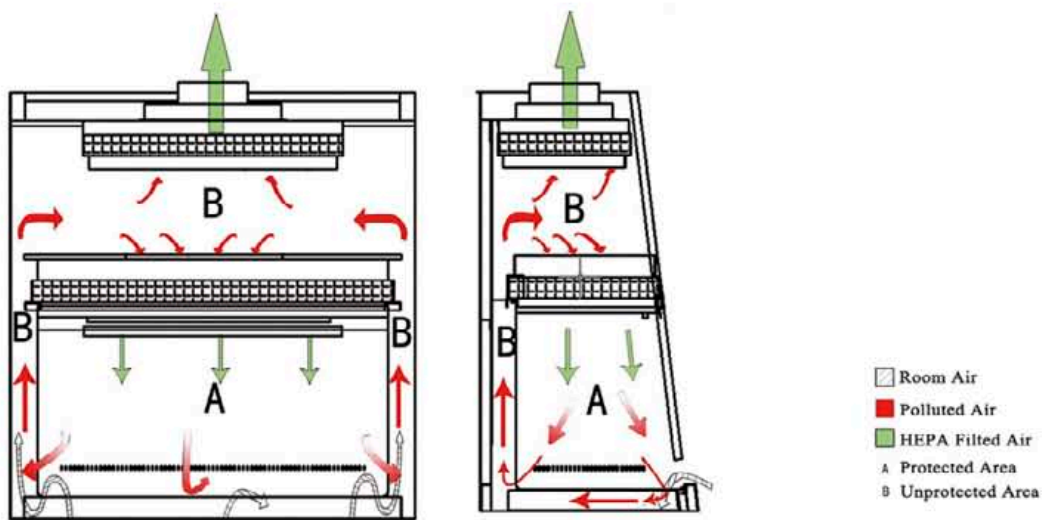


BSC-1100/1300/2000IIA2-X



BSC-1500/1800IIA2-X

Air Flow Pattern and Protected Area



Front Window

Front window Consists two-layer toughened glass >5mm, Motorized control.

Work Zone

Work zone interior is made of 304 stainless steel.

Front Panel

Superstructure is constructed from epoxy coated cold rolled steel for long life.

VFD Display

It demonstrates various colors with high bright, even in the evening. It can work no less than 30,000 hours continually.

UV Lamp

Interlocked and activated to work when blower and fluerescent lamp are off and front window is closed.

Foot Switch

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

Front airflow intake grid

Aerodynamically designed front airflow intake grid eliminates potential turbulence and contamination.

Waterproof Socket

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

Technical Parameters:

Model	BSC-1100IIA2-X	BSC-1300IIA2-X	BSC-1500IIA2-X	BSC-1800IIA2-X	BSC-2000IIA2-X
Internal Size (W*D*H) mm	900*600*660	1100*600*660	1300*600*660	1600*600*660	1600*600*660
External Size (W*D*H) mm	1100*850*2200	1300*850*2200	1500*850*2230	1800*850*2300	1800*800*2200
Tested Opening	Safety Height ≤ 200mm				
Max Opening	400 mm				
Inflow Velocity	0.53 m/s				
Down Flow Velocity	0.33 m/s				
HEPA Filter	Efficiency 99.999% at 0.3 um				
Front Window	5mm two-layer laminated toughened glass				
Noise	EN12469 ≤58dB, NSF49 ≤61dB				
UV Lamp	20W*1	20W*1	30W*1	30W*1	40W*1
Fluorescent Lamp	21W*1	21W*1	28W*2	28W*2	40W*1
Illumination	≥1000Lux	≥1000Lux	≥1000Lux	≥1000Lux	≥1000Lux
Consumption	760W	1060W	1300W	1350W	1700W
Water & Gas Tap	Water Tap*1; Gas Tap*1(Optional)				
Socket	2 Waterproof Socket: 2*250W(Max)				
Display	VFD Display			LCD Display	
Control System	Microprocessor				
Airflow System	70% Air Circulation, 30% Air Exhaust				
Material	Work Table: 304 stainless steel Main Body: Cold-rolled steel with anti-bacteria powder				
Base Stand	635mm height				
Caster	Yes			No	
Power Supply	110/220V±10%, 50/60Hz				
Standard Accessory	Remote control, Foot switch, UV lamp, Fluorescent lamp, Base stand				
Optional Accessory	Armrest, Air curtain tester, Formanlin fumigation sterilizer, Infrared Sterilizer				
Gross Weight	280kg	310kg	350kg	390kg	420kg
Package Size (W*D*H) mm	1250*1050*1870	1450*1050*1870	1640*1040*1860	1940*1050*1960	2090*1050*1860

Class II B2 Biosafety Cabinet

Class II B2 Biosafety Cabinets feature downflow air drawn from within the laboratory. No downflow air is drawn from the cabinet exhaust air. All downflow and inflow air is exhausted through a HEPA filter without recirculation within the cabinet. All contaminated ducts and plenums are maintained at negative pressure. The Type B2 Biosafety Cabinet may be used for work with volatile toxic chemicals and radionuclides as required as adjuncts to microbiological studies.



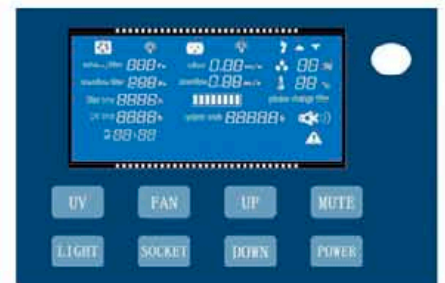
Remote Control



VFD Display

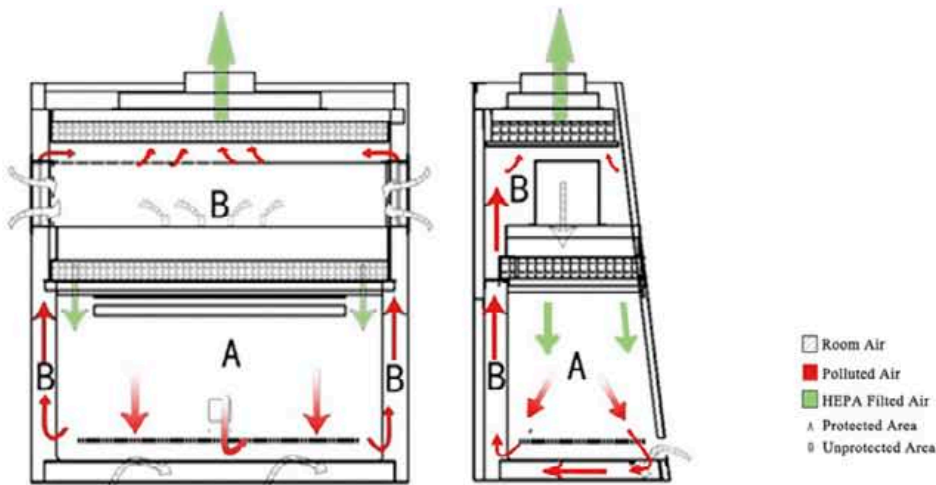


Exhaust Blower



LCD Display

Air Pattern of Class II B2 Biosafety Cabinet:



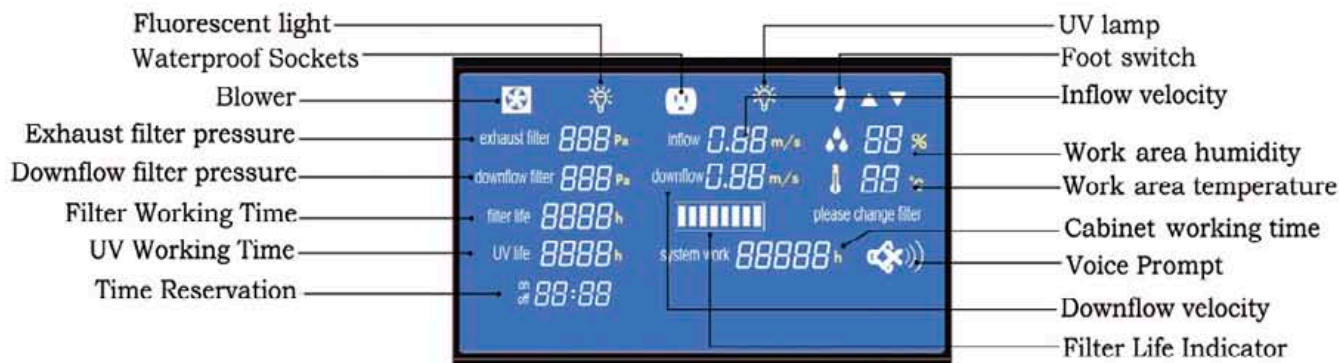
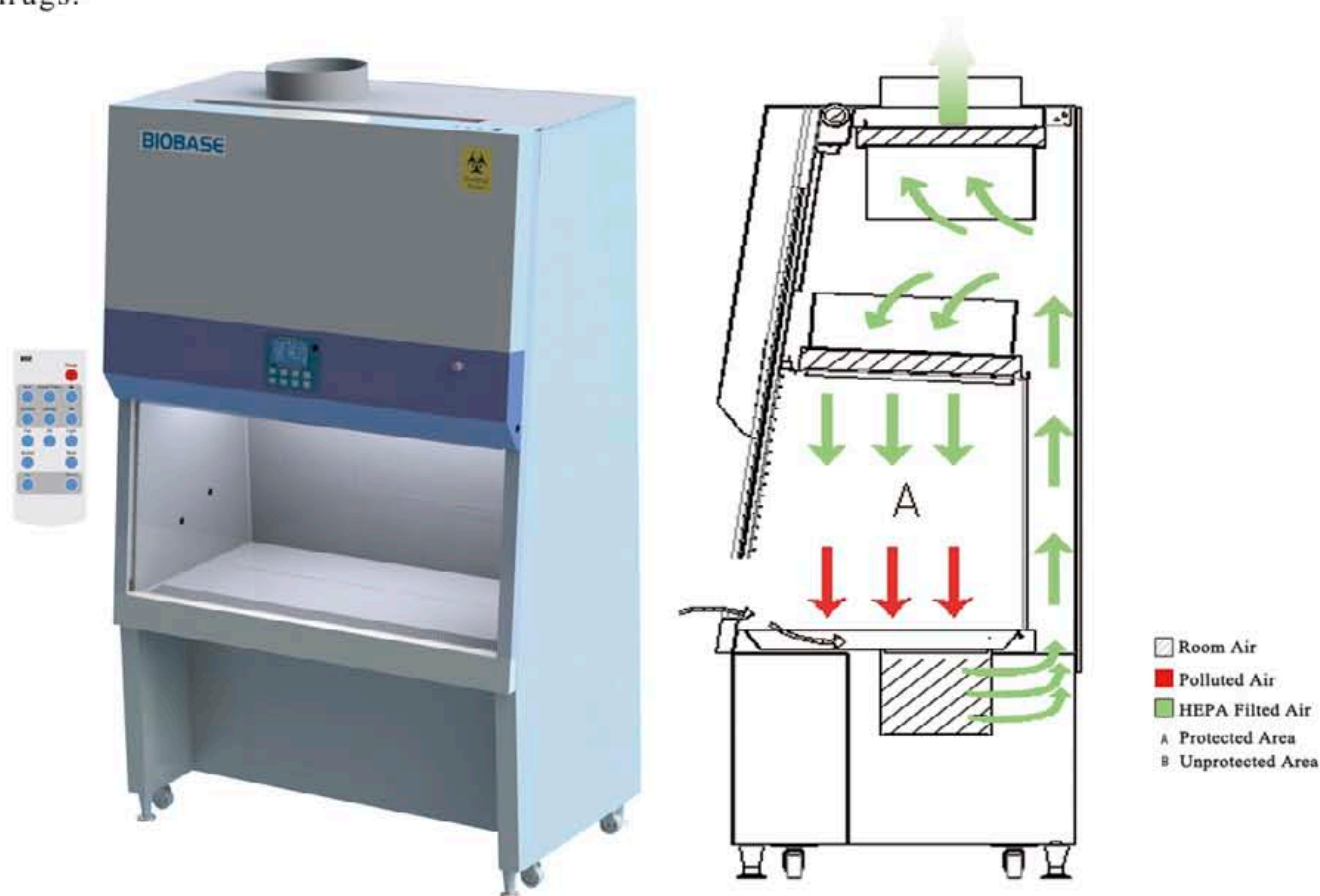
Technical Parameters:

Model	BSC-1100IB2-X	BSC-1300IB2-X	BSC-1500IB2-X	BSC-1800IB2-X
Internal Size(W*D*H)	900*600*660mm	1100*600*660mm	1300*600*660mm	1600*600*660mm
External Size(W*D*H)	1100*850*2200mm	1300*850*2200mm	1500*850*2200mm	1800*850*2200mm
Tested Opening	Safety Height ≤ 200mm			
Max Opening	400 mm			
Inflow Velocity	0.53 m/s			
Down Flow Velocity	0.33 m/s			
Pre-filter	Washable			
HEPA Filter	Efficiency 99.999% at 0.3 um			
Front Window	5mm two-layer laminated toughened glass			
Noise	EN12469 ≤58dB,NSF49 ≤61dB			
UV Lamp	20W*1	20W*1	30W*1	30W*1
Fluorescent Lamp	21W*1	21W*1	28W*1	30W*1
Illumination	≥1000Lux	≥1000Lux	≥1000Lux	≥1000Lux
Consumption	1050W	1350W	1550W	1900W
Water & Gas Tap	Water Tap*1; Gas Tap*1(Optional)			
Socket	2 Waterproof Sockets: 2*250W(Max)			
Display	VFD Display	LCD Display	VFD Display	
Control System	Microprocessor			
Airflow System	0 Air Circulation, 100% Air Exhaust			
Exhaust Duct	4-meter PVC duct, Diameter: 300mm			
Material	Work Table	304 stainless steel		
	Main Body	Cold-rolled steel with anti-bacteria powder		
Base Stand	635mm height			
Caster	Yes			
Power Supply	110/220V±10%, 50/60Hz			
Standard Accessory	Remote control, Foot switch, UV lamp, Fluorescent lamp, Exhaust duct, Base stand, Exhaust Blower			
Optional Accessory	Armrest, Air curtain tester, Formanlin fumigation sterilizer			
Gross Weight	350kg	360kg	440kg	470kg
Package Size	Main Body	1250*1050*1870mm	1450*1050*1870mm	1640*1050*1860mm
	Exhaust Blower	1060*970*580mm	1060*970*580mm	1060*970*580mm

Cytotoxic Safety Cabinet

The BIOBASE Cytotoxic Safety Cabinet is the premium solution for cytotoxic/antineoplastic drug processing, providing the highest level of patient, pharmacist and environmental protection. This revolutionary product builds on BIOBASE's experience of more than 10 years as an expert in biosafety containment technology.

The unique demands of handling and preparing cytotoxic drugs for use in chemotherapy require a specialized cabinet. As cytotoxic drugs cannot be inactivated by chemical decontamination, Class II biosafety cabinets should not be used. With this in mind BIOBASE has developed a highly specialized range of cabinets designed especially for handling these potentially dangerous drugs.

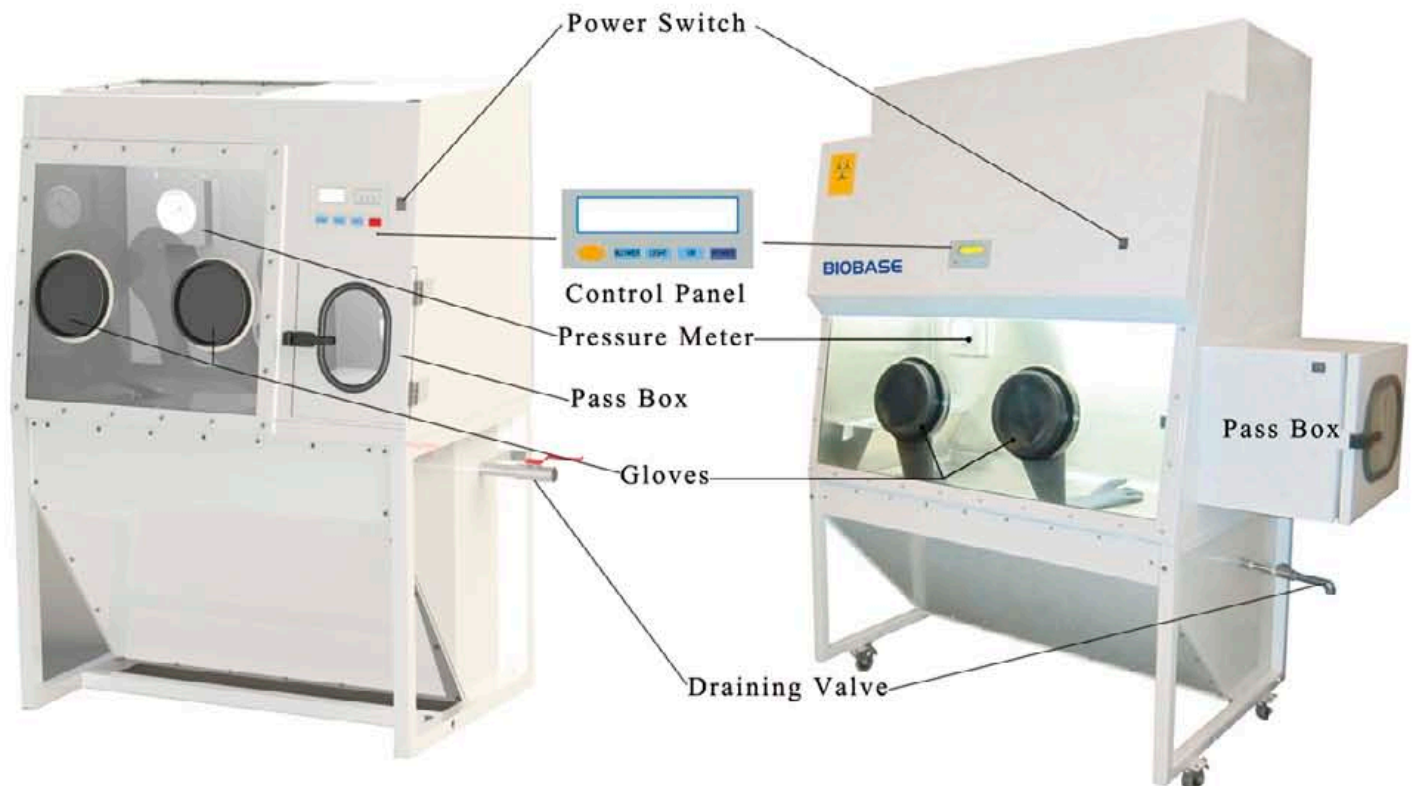


Technical Parameters:

Model	11234BBC86	
Internal Size(W*D*H)	1220*600*630 mm 48"*23.6"*24.8"	
External Size(W*D*H)	1370*760*2100 mm 53.9"*29.9"*86.6"	
Tested Opening	Safety Height ≤ 200mm	
Max Opening	400 mm	
Inflow Velocity	0.46 m/s	
Down Flow Velocity	0.33 m/s	
Internal Work Area, Space	0.73m ²	
Exhaust Volume With Thimble Duct	CBV Exhaust Volume	611 m ³ /h (360cfm)
	Static Pressure at CBV	39 Pa /0.15 in H2O
Air Supply Filter	ULPA filter, efficiency 99.999% between 0.1~0.2 um	
Exhaust Filter	2 pieces ULPA filter, efficiency 99.999% between 0.1~0.2 um	
Front Window	Two-layer laminated toughened glass	
Noise	≤62dB	
UV Lamp	30W*1	
Fluorescent Lamp	28W*2	
Illumination	≥1000Lux	
Consumption	≤700W	
Water & Gas Tap	Water Tap*1; Gas Tap*1	
Socket	2 Waterproof Socket: 2*250W(Max)	
Display	LCD Display	
Control System	Microprocessor	
Material	Work Area	304 stainless steel
	Main Body	Cold-rolled steel with anti-bacteria powder
Caster	Universal wheel	
Power Supply	110/220V±10%, 50/60Hz	
Standard Accessory	Remote control, Foot switch, UV lamp, Fluorescent lamp, Waterproof socket	
Optional Accessory	Armrest, Air curtain tester, Formanlin fumigation sterilizer, Infrared Sterilizer	
Gross Weight	400kg	
Package Size(W*D*H)	1570*950*2220 mm	

Class III Biosafety 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. It is designed for work with level 4 pathogens and provide an alternative to the positive-pressure suit made for maximum containment laboratories.



BSC-1100III-X



Pressure Meter

BSC-1500III-X



For BSC-1500III-X



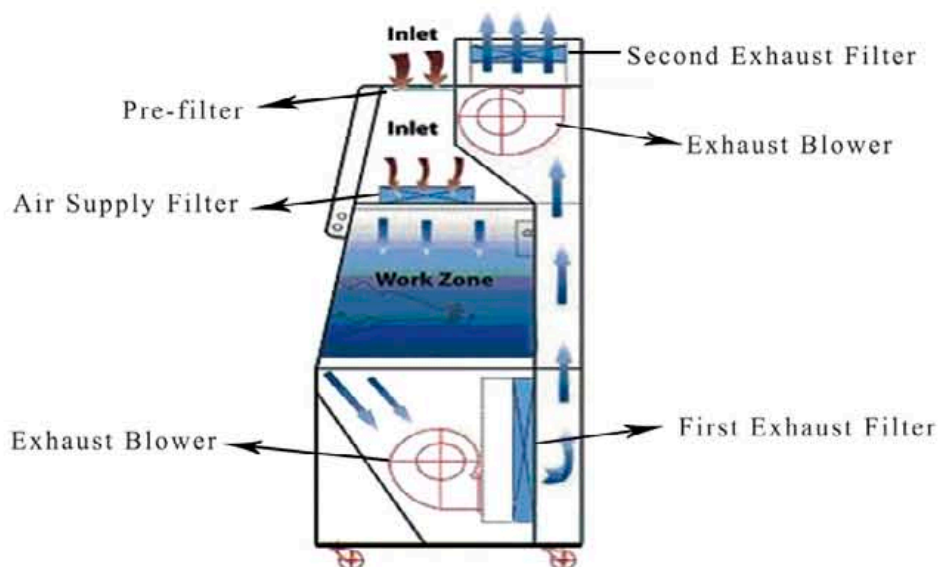
For BSC-1100III-X

Remote Control

Features:

1. Exhaust air is double-filtered through high-quality ULPA filters with typical efficiency of 99.999% for 0.12 μ m particles, better than HEPA filters.
2. An angled cabinet front ensures an ergonomic working posture.
3. Cabinet operates at negative pressure relative to the laboratory in order to prevent migration of pathogenic materials out of the work area.
4. It effectively sterilizes work area with UV installed inside.

Class III Air Flow Pattern and Protected Area



Technical Parameters:

Model	BSC-1100III X	BSC-1500III X
External Size(W*D*H)	1100*800*1600mm	1340*850*2100mm
Internal Size(W*D*H)	750*560*600mm	1240*650*650mm
Pass Box Size(W*D*H)	Internal:390*380*330mm External:470*420*400mm	Internal:400*390*340mm External:480*400*400mm
Gloves	One pair. 800mm butyl rubber gloves	
Front Window	8 mm toughened glass, anti-ultraviolet radiation	
Display	LCD display	
Pre-filter	Polyester fibre, washable	
ULPA Filter	Air supply filter:Efficiency 99.999% at 0.12um First exhaust filter:Efficiency 99.999% at 0.12um Second exhaust filter:Efficiency 99.999% at 0.12um	
UV Lamp	20W*1, 8W*1	30W*1, 8W*1
Fluorescent Lamp	14W*1	28W*2
Noise	≤63dB	
Airflow Volume	240-470 cfm	440-870 cfm
Main Material	304 stainless steel	
Pressure	-120 Pa	
Alarm	Visual and Audio alarm	
Illumination	≥800Lux	
Power Supply	110/220V±10%, 50/60Hz	
Consumption	400W	700W
Gross Weight	250kg	395kg
Package Size(W*D*H)	1380*950*1770mm	2000*1000*2220mm
Standard Accessory	UV lamp, Fluorescent lamp, Remote control, Gloves, Pressure meter, Drain valve	

Class I Biosafety Cabinet

Introduction

The Class I Biosafety cabinet is designed to provide personnel and environmental protection

1. Class I Biosafety Cabinet does not protect the product from contamination because un-purified room air constantly enters into work area.
2. As a partial containment unit, the 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.
3. Unlike conventional fume hood, the HEPA filter in the Class I Biosafety Cabinet protects the environment by filtering air before it is exhausted.
4. With the negative pressure, personnel protection is made possible by constant movement of air into the work area.



BYKG-I/II



BYKG-III



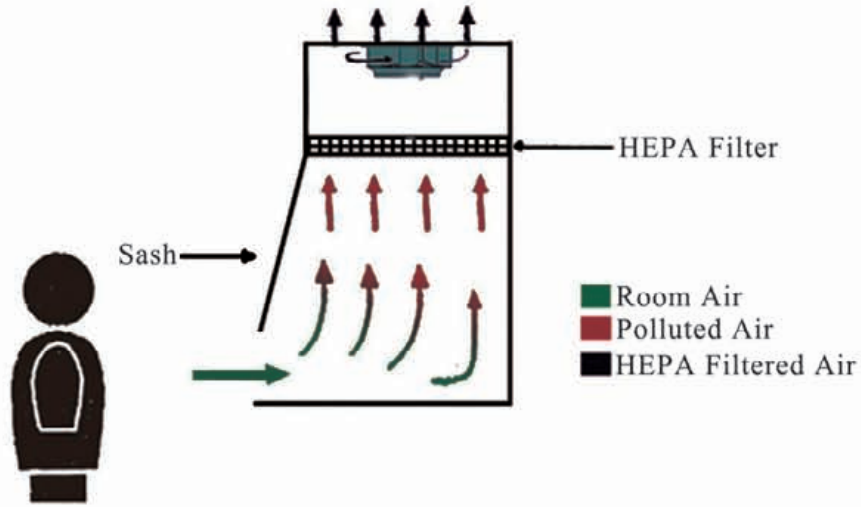
BYKG-V



Features:

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

Air Pattern of Class I Biosafety Cabinet:



Technical Parameters:

Model	BYKG-I	BYKG-II	BYKG-III	BYKG-V
External Size(W*D*H)	550*395*730mm	700*550*900mm	900*695*1080mm	1100*695*1924mm
Internal Size(W*D*H)	540*385*450mm	680*450*500mm	768*690*580mm	968*695*630mm
HEPA Filter	99.999% efficiency at 0.3um			
Airflow Velocity	0.38m/s ~ 0.6m/s			
Noise	≤55dB		≤60dB	≤60dB
Fluorescent Lamp	15W*1	18W*1	14W*2	21W*1
UV Lamp	15W*1	18W*1	20W*1	20W*1
Consumption	150W	160W	180W	400W
Base Stand	No			738mm height
Caster	No			Universal wheel
Power Supply	110/220V±10%, 50/60Hz			
Material	Main Body	PMMA	Cold-rolled steel coated with anti-bacteria powder	
	Work Table	304 stainless steel		
	Base Stand	No		
Standard Accessory	Fluorescent Lamp,UV Lamp			Fluorescent Lamp, UV Lamp,Base Stand
Gross Weight	40kg	60kg	100kg	150kg
Package Size	755*600*950mm	950*700*1125mm	1050*850*1280mm	1250*840*2250mm

Biosafety Accessories



Infrared Sterilizer



Air Curtain Tester



Formalin Fumigation Sterilizer



Ammonium Hydrogen Carbonate Neutralizer



Armrest

Infrared Sterilizer

Model: HWQ-001

Power supply: 220V / 50Hz

Sterilization temperature: 280°C±10°C

Consumption: 200w

Protection type: I

External dimension: 170 x 100 x 170mm

Net weight: 1.85kg

A mini-type sterilizer, adopts inside radiation components and numeric display temperature control technique. It is made of stainless steel, its characteristics include low weight, small dimension, quick sterilization, safe, energy-saving and clean.

Armrest

Characteristic and usage:

Small size, with adjustable height of 20mm, easy to handle. Its design conforms to the airflow grill of biosafety cabinet, which avoids influencing the airflow pattern during operation. It will help reduce the fatigue of operators' hands.

Size: 120mm*80mm*82mm

Air Curtain Tester

Power supply: 220V/50Hz

Input power: 30w Fuse: T2A L(φ 5 x 20)

Work style: Intermittent working ≤ 15min

Maximum atomization velocity: 1.5 ml/min

Maximum volume: 35ml

Working environment:

Environment temperature: 10-40°C

Relative humidity: ≤70% RH

Air pressure range: 860-1060 kpa

Storage environment:

Environment temperature: 10-40°C

Relative humidity: ≤95% RH

Air pressure range: 500-1060 kpa

Formalin Fumigation Sterilizer

Model: FX-100

Power supply: 220V / 50Hz

Power: 180w Volume: 100ml

Ammonium Hydrogen Carbonate Neutralizer

Model: TZ-100

Power supply: 220V / 50 Hz

Power: 180w Volume: 100ml

Lab Waste Disposer

Lab waste disposer is a system for sterilizing and biohazardous waste disposal. The system is used for disposing on-site solid waste caused by low infectious or pathologic inspection in hospitals or labs, including the excision body of human and animals, microbiologic incubation, PCR experiment waste, needle and syringe etc. The waste can be treated as the common waste after being disposed by this system.



FQW-001(0.6L)



FQW-002(3L)

Main characteristics:

1. Interior structure adopts aviation high-temperature material to avoid the spare parts appearance aging caused by high temperature during the sterilization.
2. There are active carbon and HEPA filters equipped on the cooling pipe inside, which can prevent the leakage of aerosol and particular smell.
3. It adopts interlocking control to avoid the door random opened before the sterilization is finished, also to prevent the diffusion of aerosol and germs.
4. With failure protection lock, the lid can't be opened in case of power failure or malfunction.
5. Alarm rings when process finishes, power off automatically if there is no operation.
6. During sterilization, the temperature and time are precisely controlled by microprocessor to assure the sterilization effects.

Model	FQW-001	FQW-002
Dimension(L*W*H)	260*360*230mm	325*440*300mm
Disposal Capacity	0.6L	3L
External Material	Stainless Steel	Cold-rolled Steel
Power Supply	110/220V±10%, 50/60Hz	
Disposing Temperature	Above 170℃	
Process Time	Above 170℃, maintain over 1.5 hours	
Gross Weight	20kg	27kg
Package Size(L*W*H)	510*460*360mm	660*550*380mm

Laminar Flow Cabinet-Product protection only

Laminar Flow Cabinet is a work bench or similar enclosure, which creates a particle-free working environment by taking air through 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, hospitals, manufacturing facilities and other research and production environments.

Advantage:

1. HEPA filter with efficiency: 99.999% at $0.3\mu\text{m}$.
2. Microprocessor Control System, LED /LCD display.



LED Display



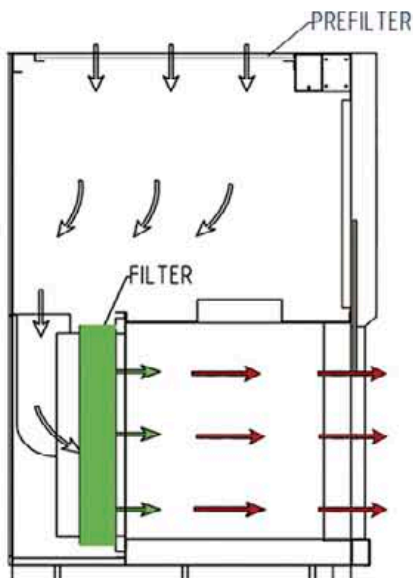
LCD Display



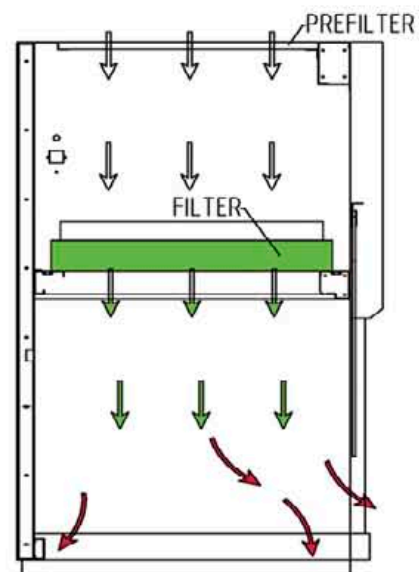
LED Display Only for BBS-V1800

3. Air speed adjustable.

There are two types of air flow patterns: Vertical and Horizontal.



Horizontal Type



Vertical Type

Horizontal Laminar Flow Cabinet:



Model	BBS-H1300	BBS-H1800
External Size(W*D*H)	1300*825*2000mm	1800*825*2010mm
Internal Size(W*D*H)	1200*500*570mm	1700*500*570mm
Base Stand	650mm height	
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-ultraviolet radiation	
Pre-filter	Polyester fiber, washable	
HEPA Filter	Efficiency 99.999% at 0.3μm	
Noise	<60 dB	
Window Control	Motorized	
Max Opening	520mm	
Fluorescent Lamp	28W*1	28W*1
UV Lamp	30W*1	30W*1
Consumption	650W	700W
Caster	Universal wheel with brake	
Power Supply	110/220V±10%;50/60Hz	
Standard Accessory	Fluorescent Lamp,UV Lamp Base Stand,Gas Tap*1,Socket*2	Fluorescent Lamp,UV Lamp,Base Stand, Gas Tap*1,Water Tap*1,Socket*2
Gross Weight	165kg	270kg
Package Size(W*D*H)	1470*1060*1600mm	1960*1000*1600mm

Horizontal Laminar Flow Cabinet



Model	BBS-DDS	BBS-SDS
External Size(W*D*H)	1060*800*1690mm	1460*800*1690mm
Internal Size(W*D*H)	980*500*600mm	1400*500*600mm
Base Stand	690mm height	
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 Window:5mm toughened glass,anti-ultraviolet radiation	
Pre-filter	Polyester fiber, washable	
HEPA Filter	Efficiency 99.999% at 0.3 μ m	
Noise	<60 dB	
Fluorescent Lamp	21W*1	28W*1
UV Lamp	20W*1	30W*1
Consumption	690W	690W
Caster	Universal wheel with brake	
Power Supply	110/220V \pm 10%;50/60Hz	
Standard Accessory	Fluorescent Lamp,UV Lamp,Base Stand, Socket*2	Fluorescent Lamp,UV Lamp,Base Stand, Socket*2
Gross Weight	143kg	183kg
Package Size(W*D*H)	1230*940*1900mm	1630*940*1900mm

Vertical Laminar Flow Cabinet



Model	BBS-V1300
External Size(W*D*H)	1310*750*2000mm
Internal Size(W*D*H)	1200*645*610mm
Base Stand	650mm height
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-ultraviolet radiation
Pre-filter	Polyester fiber, washable
HEPA Filter	Efficiency 99.999% at 0.3μm
Noise	<60 dB
Window Control	Motorized
Max Opening	550mm
Fluorescent Lamp	28W*1
UV Lamp	30W*1
Consumption	650W
Caster	Universal wheel with brake
Power Supply	110/220V±10%; 50/60Hz
Standard Accessory	Fluorescent Lamp, UV Lamp, Base Stand, Gas Tap*1, Socket*2
Gross Weight	255kg
Package Size(W*D*H)	1470*980*1570mm

Vertical Laminar Flow Cabinet



Model	BBS-DDC	BBS-SDC	BBS-V1800
External Size(W*D*H)	1040*600*1730mm	1440*600*1730mm	1800*600*1800mm
Internal Size(W*D*H)	940*580*540mm	1340*580*540mm	1700*560*540mm
Base Stand	650mm height		
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		
	Front Window:5mm toughened glass,anti-ultraviolet radiation		
Pre-filter	Polyester fiber, washable		
HEPA Filter	Efficiency 99.999% at 0.3μm		
Noise	<60 dB		
Window Control	Manual	Manual	Motorized
Max Opening	350mm	350mm	450mm
Fluorescent Lamp	21W*1	28W*1	36W*1
UV Lamp	20W*1	30W*1	30W*1
Consumption	350W	600W	500W
Caster	Universal wheel with brake		
Power Supply	110/220V±10%;50/60Hz		
Standard Accessory	Fluorescent Lamp,UV Lamp,Base Stand		
Gross Weight	150kg	210kg	250kg
Package Size(W*D*H)	1200*780*1350mm	1600*780*1350mm	1960*780*1400mm



BBS-V800	BBS-DSC	BBS-SSC	BBS-SDC2100
802*615*1575mm	1040*630*1730mm	1440*630*1730mm	2100*740*2550mm
800*600*540mm	940*630*540mm	1340*630*540mm	2000*705*1100mm
650mm height			
LED Display			
Average of 0.3~0.5m/s			
Main Body: Cold-rolled steel with anti-bacteria powder coating			
Work Table: 304 stainless steel			
Front Window: 5mm toughened glass, anti-ultraviolet radiation			8mm PMMA
Polyester fiber, washable			
Efficiency 99.999% at 0.3µm			
<60 dB			
Manual	Manual	Manual	Motorized
490mm	350mm	350mm	400mm
15W*1	21W*1	28W*1	36W*1
18W*1	20W*1	30W*1	30W*1
350W	350W	600W	700W
Universal wheel with brake			
110/220V±10%; 50/60Hz			
Fluorescent Lamp, UV Lamp, Base Stand			Fluorescent Lamp, UV Lamp, Base Stand, Foot Switch, Socket*2
120kg	200kg	260kg	300kg
960*770*1800mm	1200*830*1350mm	1600*830*1350mm	2250*1000*2120mm

Fume Hood

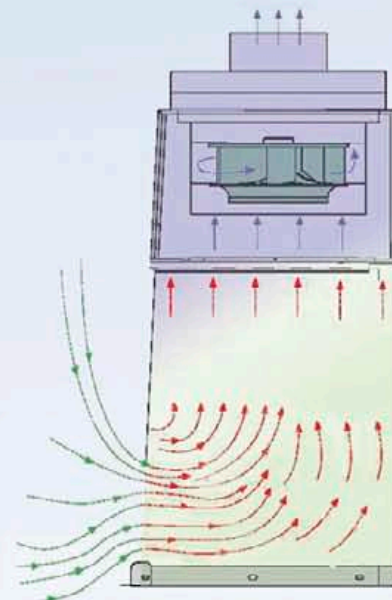
Fume Hood is used to protect lab environment and operator during general chemical applications. It actively protects operator from inhaling toxic vapors and dramatically reduces the risk of fire and explosion. By installing proper filter, it can also protect environment.



Advantage:

1. Double-layer structure: 1.2mm sheet metal surface, melamine board inward;
2. Microprocessor Control System, LCD display;
3. Adjustable air speed : 6 levels;
4. Chemical-resistant physiochemical board work table;
5. Motorized front glass window;
6. UV Lamp for sterilization;
7. Standard accessories: Taps, sink, duct, sockets, UV lamp, fluorescent lamp, base cabinet.

Air Pattern



Technical Parameters:

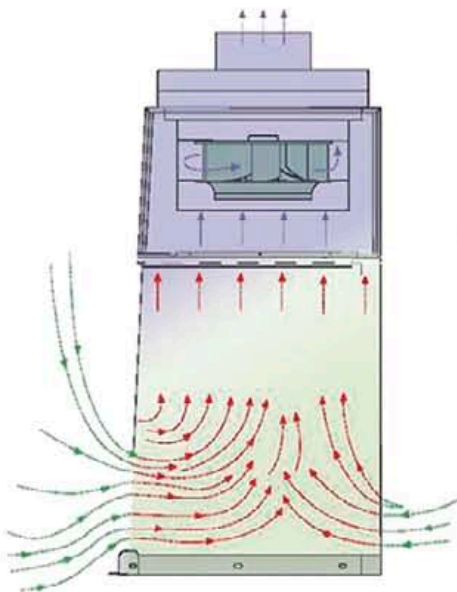
Model	FH1000	FH1200	FH1500	FH1800	
External Size(W*D*H)	1000*750*2200mm	1200*800*2200mm	1500*800*2200mm	1800*800*2200mm	
Internal Size(W*D*H)	820*620*750mm	1020*670*750mm	1320*670*750mm	1620*670*750mm	
Base Cabinet	620mm height				
Max Opening	450mm				
Protection Class	Class I				
Protection Type	IP 20				
Air Velocity	0.3~0.8 m/s				
Noise	≤60dB				
Exhaust Duct	PVC, Standard length:4 meters.				
Duct	Φ 300mm				
Pipe Strap	1 pc				
Fluorescent Lamp	15W*1	21W*1	28W*1	36W*1	
UV Lamp	20W*1	21W*1	30W*1	30W*1	
Blower	Built-in centrifugal blower; Speed adjustable.				
Glass Window	5mm toughened glass; Motorized; Height adjustable.				
Power Supply	110/220V±10%,50/60Hz				
Consumption	150W	150W	235W	235W	
Material	Exterior	Cold-rolled steel with corrosion-proof coating.			
	Interior	High grade melamine board with good acid and alkali resistance function			
	Work table	Solid chemical resistant physiochemical board			
Standard Accessory	UV lamp,Fluorescent lamp,Water tap*1, Gas tap*1, Water sink*1, Base Cabinet				
	Two sockets:2*400W(max)				
	4-meter PVC exhaust duct				
Optional Accessory	Active carbon filter/HEPA filter				
Gross Weight	230kg	270kg	370kg	420kg	
Package Size	Main Body	1140*900*1720mm	1340*900*1760mm	1660*1000*1840mm	1950*950*1900mm
	Base Cabinet	1140*900*900mm	1340*900*970mm	1660*950*800mm	1950*950*860mm

Fume Hood

FH-series Fume Hood is the first defense to minimize chemical exposure to research workers. They are considered the primary means of protection from inhalation of hazardous vapors.



Air Pattern



Advantage:

1. Back side air compensation, to avoid turbulence in work area;
2. Microprocessor Control System, LCD display;
3. Adjustable air speed : 6 levels;
4. Motorized front glass window;
5. Chemical-resistant physiochemical board work table;
6. UV Lamp for sterilization;
7. Transparent side glass windows, to maximize light and visibility inside the cabinet;
8. 10° slope front ergonomics design, fatigue-free working posture;
9. Standard accessories: Taps, sink, active carbon filter, sockets, UV lamp, fluorescent lamp, duct, base stand.

Technical Parameters:

Model	FH1000(X)	FH1200(X)	FH1500(X)
Blower	Built-in blower Speed adjustable	External blower Speed adjustable	Built-in blower Speed adjustable
External Size(W*D*H)	1000*800*2200mm	1200*800*2200mm	1500*800*2200mm
Internal Size(W*D*H)	800*750*745mm	1082*740*735mm	1380*750*745mm
Max Opening	450 mm		
Air Velocity	0.3~0.8 m/s		
Noise	≤60dB	≤57dB	≤60dB
Fluorescent Lamp	15W*1	18W*1	36W*1
UV Lamp	30W*1	20W*1	30W*2
Glass Window	5mm toughened glass; Motorized; Height adjustable		
Material	Exterior Body: Cold-roll steel with corrosion-proof coating		
	Side panel: Glass		
	Work table: Solid Chemical-Resistant physiochemical board		
Base Stand	650mm	690mm	650mm
Power Supply	110/220V±10%, 50/60Hz		
Consumption	150W	150W	235W
Standard Accessory	Water tap*1; Gas tap*1; Water sink*1; Base stand		
	Waterproof socket*1 (400W)	Waterproof sockets*2 (800W)	
	4-meter Exhaust duct(Φ300mm)		
	Active Carbon Filter		
	Foot Switch		
Optional Accessory	Infrared Sterilizer		
Gross Weight	230kg	320kg	370kg
Package Size(W*D*H)	1080*1050*1500mm	Blower: 580*480*560mm Main Body: 1280*1050*1500mm	1580*1050*1500mm

PCR Cabinet

Polymerase Chain Reaction (PCR) is a scientific technique in molecular biology to amplify a single or a few copies of a piece of DNA across several orders of magnitude, generating thousands to millions of copies of a particular DNA sequence. PCR is now a common and often indispensable technique used in medical and biological research labs that are working with DNA and RNA. Because of the high copy number generated during PCR, it is essential to prevent possible contamination of the PCR reaction.

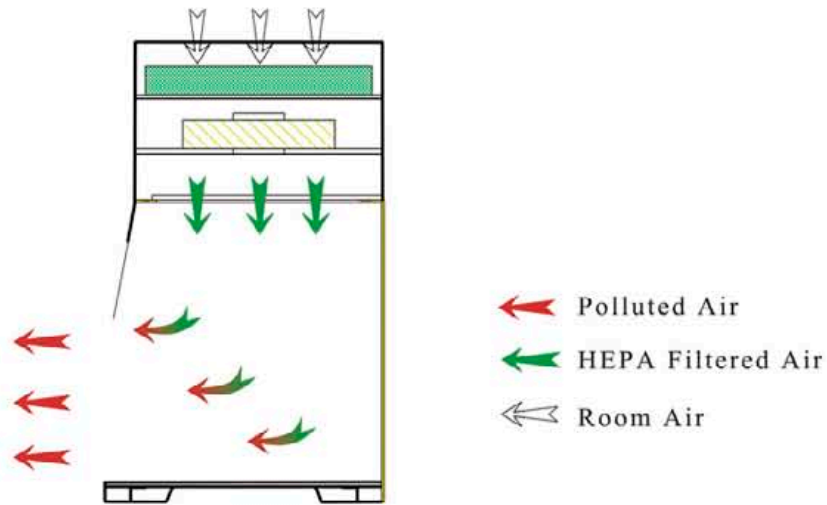
PCR Cabinet is an equipment that provides a partial clean air environment, its air flow is vertical. UV is effectively utilized in this cabinet. Downflow clean air protects against contamination by bathing the PCR apparatus in sterile air and limiting risk of contamination from the operator's arms, or from any equipment brought into the otherwise sterile environment. A positive pressure ensures that there is no ingress of airborne contaminants from the surrounding laboratory environment. Toughened glass windows offer exceptionally clear all round vision and do not allow transmission of UV.



Feature and advantages:

1. UV sterilization system.
2. HEPA filter with efficiency: 99.999 at 0.3 μ m.
3. LED display for time and pressure.
4. Audio alarm: glass window over height alarm; filter replacement alarm.
5. Interlock function: UV lamp only can be switched on when the front window is closed, ensuring operator safety.
6. UV timer (1-99 minutes): When the set time expires, the UV lamp automatically switches off in preparation for the next experiment.

Air Pattern of PCR Cabinet:

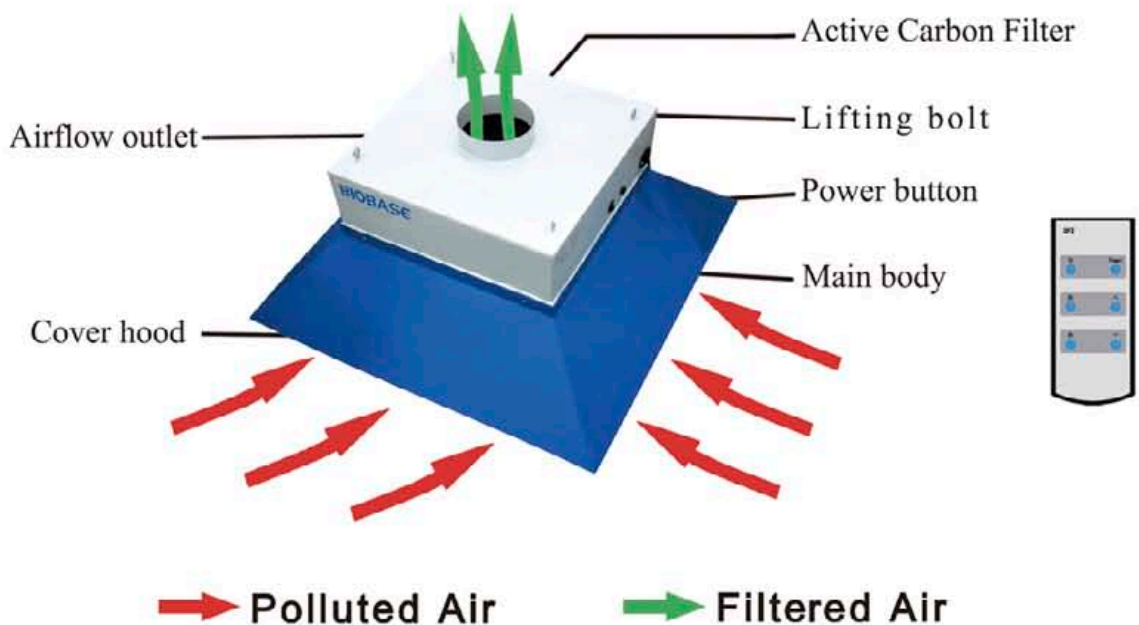


Technical Parameters:

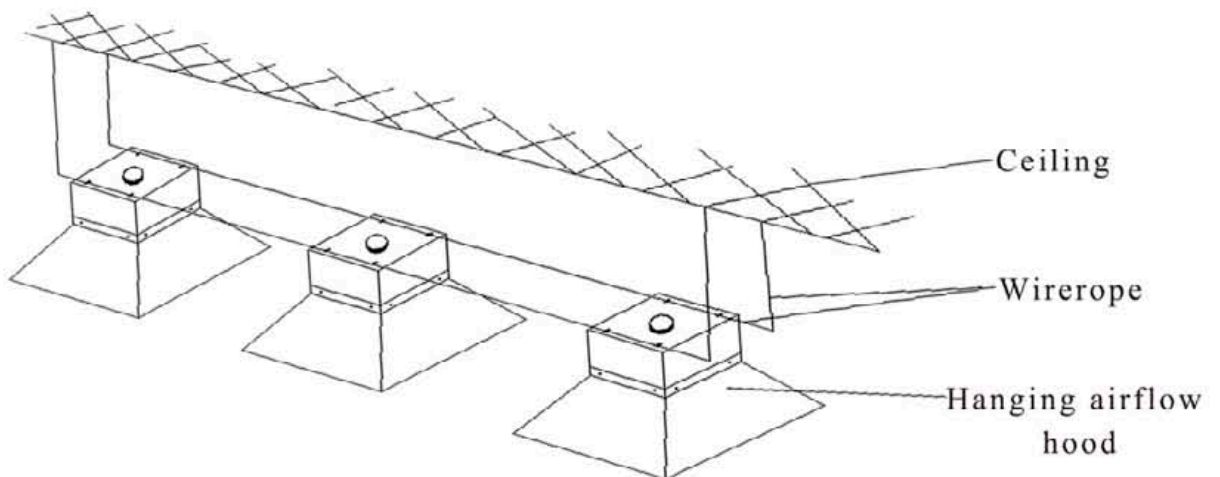
Model	PCR-01
External Size(W*D*H)	1000×695×1720mm
Internal Size(W*D*H)	996 ×685×630mm
Material	Main Body: Cold-rolled steel with anti-bacteria coating Work Table: 304 stainless steel
Side Panels	5mm toughened glass
Front Window	5mm toughened glass; Manual window.
Max Opening	400mm
Pre-filter	Washable polyester fiber
Main Filter	HEPA filter, efficiency 99.999% at 0.3um.
Air Speed	Adjustable airflow speed: 0.3-0.5m/s
Noise	≤60dB
UV Lamp	18W*2
Fluorescent Lamp	40W×1
Illumination	>800Lux
Shelf	One,Stainless steel
Caster	Universal wheel
Base Stand	650mm height
Consumption	380 W
Power Supply	110/220V±10%,50/60Hz
Standard Accessory	HEPA filter,UV lamp,Fluorescent lamp, Base stand, Socket,Shelf
Gross Weight	150kg
Package Size(W*D*H)	1165*870*1970mm

Hanging Airflow Hood

A hanging airflow hood is used to handle major fumes and solvent emissions. It also allows the work surface to remain completely free of obstacles.



Installation Instruction:



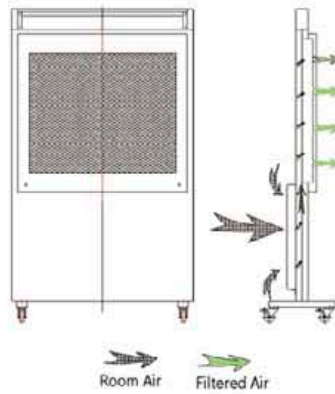
Dimension	720*720*310mm(W*D*H)	Power Supply	110/220V±10%, 50/60Hz
Filter	Active Carbon Filter	Features:	Equipped with remote control
Consumption	105W		Adjustable airflow velocity
Net Weight	16kg		Blower: Time reserve function

Air Purifier

Air Purifier is an air purification equipment with advanced level, widely used in hospital, small clinic, laboratory, office, meeting room and family place etc. It can protect your life and your health through filtering dust, germ and virus in the air.



QRJ-128



Air Pattern



QRJ-168II

Main Characteristics:

1. Wide application: It can be used in hospitals, small clinics, laboratories, offices, meeting rooms, family place etc.
2. Air speed adjustable function: four kinds of air speed can be realized.
3. Infrared remote control function: long-distance remote control switch machines, easy control.
4. Timing function: It can be achieved 1h, 2h, 4h of timing function, reduce energy consumption.

Model	QRJ-128	QRJ-168II
External Size(W*D*H)	900*60*1400mm	355*320*355mm
HEPA Filter	Efficiency 99.999% at 0.3um	
Purify Air Volume	210~250m ³ /h	110m ³ /h
Noise	<60 dB	<50 dB
Consumption	240W	40W
Power Supply	110/220V±10%, 50/60Hz	
Remote Control	No	Yes
Cleanness at Outlet	Class 100	

Air Shower

Air shower is a necessary passage for person entering into the 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 velocity, effectively prevent dust source from entering 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 ~ 99 min).
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	Efficiency 99.999% at 0.3um		
Spraying Wind Speed	≥25m/s		
Air Shower Time	0~99 min(adjustable)		
No. of SS Nozzles	12	16	18
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 with anti-static spray 2.Stainless steel		
Chassis	Stainless steel		
Power Supply	110/220V±10%, 50/60Hz		

Pass Box

Pass Box is a kind of assistant equipment installed between the area which has different clean levels of clean room, is mainly used to transfer goods. 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)	660*500*580mm	760*600*680mm	860*700*780mm	660*500*1400mm	760*600*1500mm	860*700*1600mm
Internal Size (W*D*H)	500*500*500mm	600*600*600mm	700*700*700mm	500*500*500mm	600*600*600mm	700*700*700mm
Material	Stainless Steel			Cold-rolled steel with powder coating		
Interlock	Electronical					
UV Lamp	30W*1					
HEPA Filter	No			Efficiency 99.999% at 0.3 um		
Clean Air Speed	No			0.36~0.54m/s		
Power Supply	110/220V±10%,50/60Hz					

Autoclave (Pressure Steam Type)

B series Autoclave:

Features:

1. Fully stainless steel structure.
2. The cover can be opened easily.
3. Audio and visual alarm for low level water, automatic water supply system.
4. Gravity exhaust control ensures a pure steam environment.
5. Safety valve release air intermittently to ensure stable pressure and temperature automatically.
6. Pressure meter displays chamber temperature and pressure.
7. Immersion heater ensures a high effective thermal.



Technical Parameters:

Model	BK-30B	BK-50B	BK-75B
Capacity	30L	50L	75L
Water Supply Pressure	≥0.2 Mpa		
Working Pressure	0.14~0.165 Mpa		
Working Pressure	126℃		
Temperature Fluctuation	<2℃		
Power Supply	110/220V±10%, 50/60Hz		
Consumption	3KW		
External Size(L*W*H)	700*510*730 mm	700*510*820 mm	700*510*930 mm
Package Size(L*W*H)	770*650*820 mm	770*650*960 mm	770*650*1060 mm

Z series Autoclave:

Features:

1. Fully stainless steel structure.
2. The cover can be opened easily.
3. Bevel designed control panel, easy to operate.
4. Microprocessor control, LED display.
5. Audio and visual alarm for low level water, automatic water supply system.
6. Gravity exhaust control ensures a pure steam environment.
7. Over-temperature protection, precision of temperature within $\pm 0.5^{\circ}\text{C}$.
8. Immersion heater ensures a high effective thermal.



Technical Parameters:

Model	BK-30Z	BK-50Z	BK-75Z	BK-100Z
Capacity	30L	50L	75L	100L
Water Supply Pressure	≥ 0.2 Mpa			
Working Pressure	Along with temperature range			
Working Pressure	5~126 $^{\circ}\text{C}$			
Temperature Fluctuation	$< 1^{\circ}\text{C}$			
Power Supply	110/220V $\pm 10\%$, 50/60Hz			
Consumption	3KW			3.8KW
External Size(L*W*H)	700*510*730 mm	700*510*820 mm	700*510*930 mm	700*510*1040 mm
Package Size(L*W*H)	770*650*820 mm	770*650*960 mm	770*650*1060 mm	770*650*1160 mm

CO₂ Incubator

Features:

1. Internal material: High quality stainless steel.
2. Microcomputer intelligent temperature controller: P.I.D controlling, more stable and higher precision; LED high brightness digital display, intuitive and clear.
3. Double-layer door structure: open outer door, observe studio experimental results through the inner door which is made from high intensity toughened glass, temperature and humidity unaffected.
4. Infrared CO₂ concentration sensor is imported from Finland, display CO₂ concentration directly and reliably.
5. Independent heating system of the door, avoid inner glass connect dew phenomenon effectively.
6. Humidity is controlled by water dish natural evaporation, displayed directly.
7. UV lamp for sterilization, more effectively prevent cell of pollution in incubation period.



CO₂ Incubator

Model	BJPX-Redwood	BJPX-Cypress	BJPX-Pinaster	BJPX-Poplar
Capacity	80L	160L	80L	160L
Heating	Air jacket		Water jacket	
CO ₂ Control	Proportion match			
Humidifying	Natural evaporation(water match plate)			
Humidity Range	>95%RH(+37℃ when working stable)			
CO ₂ Control Range	0~20%			
Temperature Range	Ambient temperature +5℃~65℃			
Temperature Control	0.1℃			
Temperature Fluctuation	+0.5℃			
Working Time	0~99hours or continuous			
Consumption	400W	500W	850W	1250W
Power Supply	220V, 50Hz			
Workarea Size(mm)	400*400*500	500*500*650	400*400*500	500*500*650
External Size(mm)	550*610*820	650*710*970	550*610*820	650*710*970

Constant-temperature Incubator

Features:

1. Microprocessor control system, LCD display.
2. Double-layer structure: open outer door, observe studio experimental results through the inner door which is made from high intensity toughed glass Over-temperature alarm and protection.
3. Natural convection heating circulation and gentle breeze circulation
4. Stainless steel inner chamber



Optional accessories

- a. Desk printer
- b. RS485 interface for software connection

Model	BJPX-Biolex	BJPX-Tampa	BJPX-Augusta	BJPX-Hilo	BJPX-Kailua	BJPX-Boise
Capacity	25L	30L	50L	80L	160L	270L
Temperature Range	+5~65℃					
Temperature Control	0.1℃					
Ambient Temperature	5~35℃					
Temperature Stability	0.5℃					
Consumption	180W	200W	210W	280W	380W	570W
Power Supply	110/220V±10%, 50/60Hz					
Timing Range	0~99 hours					
Shelves No.	2 pcs				3 pcs	
Internal Size(W*D*H)	315*255*315	320*300*315	350*350*410	400*400*500	500*500*650	600*600*750
External Size(W*D*H)	610*420*470	610*470*470	500*520*710	570*580*820	660*680*950	775*785*1100

Biochemistry Incubator

Features:

1. Stainless steel inner chamber, round angle structure, adjustable shelves.
2. Microprocessor control system, LCD display.
3. CFC-free refrigeration and gentle breeze circulation.
4. $\phi 52\text{mm}$ test port.
5. Double-layer structure: open outer door, observe studio experimental results through the inner door which is made from high intensity toughed glass, temperature and humidity unaffected.
6. Function of self-diagnosis, sensor fault alarm and over-temperature protection.
7. Time range.



Optional accessories

- a. Desk printer
- b. RS485 interface for software connection

Technical Parameters:

Model	BJPX-Diego	BJPX-Hartford	BJPX-Dover	BJPX-Newark	BJPX-Dover(II)
Capacity	70L	100L	150L	250L	150L
Temperature Range	0~60℃				-8~60℃
Temperature Control	0.1℃				
Temperature Stability	±0.5℃				
Ambient Temperature	+4~35℃				
Consumption	350W	400W	500W	680W	650W
Power Supply	110/220V±10%,50/60Hz				
Timing Range	0~99 hours				
Shelves No.	2 pcs	2 pcs	3 pcs	3 pcs	3 pcs
Internal Size(W*D*H) mm	450*330*450	510*383*505	500*370*800	550*445*1100	500*370*800
External Size(W*D*H) mm	560*535*798	610*585*930	660*620*1465	650*695*1752	600*620*1465

Shaking Incubator

Features:

1. Mirror stainless steel chamber.
2. Microprocessor control system, LCD display.
3. Parameter memory function with password lock.
4. Power protection and automatic resume.
5. Interlock function: toughed glass cover and shaking motor.
6. Over-temperature protection.



Optional accessories

- a. Desk printer
- b. RS485 interface for software connection

Model	BJPX-Kansas	BJPX-Wichita	BJPX-Bangor
Rotary Speed	40~300rpm	40~400rpm	40~400rpm
Rotary Speed Precision	±1 rpm		
Vibration Range	Φ 25mm		
Max Capacity	50ml*12 or 100ml*9 or 250ml*6	50ml*20 or 100ml*16 or 250ml*12 or 500ml*9	100ml*20 or 250ml*6 or 500ml*12
Standard Configuration	100ml*9	50ml*4,100ml*4, 250ml*3,500ml*3	50ml*5,100ml*5, 250ml*4,500ml*3
Rocking Plate Size	280*220mm	450*370mm	450*410mm
Timing Range	0~999 hours		
Temp Control Range	+5~60℃		4~60℃
Temp Control Precision	±0.1 ℃		
Temp Stability	±0.1 ℃		
Display	LCD Display		
Rocking Plate No.	1 pc(Accessories available)		
Net Weight	31kg	72kg	100kg
Capacity	20L	48L	70L
Consumption	310W	580W	580W
Power Supply	110/220V±10%,50/60Hz		
Internal Size(W*D*H)	442*412*392mm	602*582*512mm	782*684*562mm
External Size(W*D*H)	562*562*582mm	732*732*702mm	842*842*742mm

Drying Oven

Features:

1. External material: excellent cool-rolled steel, coating static.
2. Stainless steel inner chamber, round angle structure, adjustable shelves.
3. Double-layer glass observation window, adjustable airtight buckle lock.
4. Over-temperature protection.
5. Optional RS485 interface for software connection.



Bench Top Type



Floor Type

Model	BJPX-Mobile	BJPX-Juncan	BJPX-Spring	BJPX-Summer	BJPX-Autumn	BJPX-Winter
Type	Bench Top Type		Floor Type			
Temperature Range	RT+10~250℃		RT+10~300℃			
Temperature Control	0.1 ℃					
Temperature Stability	±0.5 ℃					
Ambient Temperature	+5~40 ℃					
Timing Range	1~9999 min					
Shelves No.	2 pcs					
Consumption	500W	750W	1240W	1740W	2500W	4500W
Power Supply	110/220V±10%,50/60Hz					
Internal Size(W*D*H)	300*300*270 mm	420*350*350 mm	400*350*500 mm	450*550*550 mm	500*600*750 mm	600*550*1300 mm
External Size(W*D*H)	500*450*440 mm	710*520*520 mm	600*550*755 mm	600*710*845 mm	650*755*1045 mm	745*750*1670 mm

Water Bath

Features:

1. Internal material: High quality stainless steel.
2. Use microcomputer intellectual temperature control instrument P.I.D, control temperature stably, high precision, digital display, watch directly and clearly.



Control Panel & Display



Drain Valve

Model	SY-1L1H	SY-1L2H	SY-1L4H	SY-1L6H	SY-2L4H	SY-2L6H	SY-2L8H	
Capacity	4L	8L	16L	24L	16L	24L	32L	
Temperature Range	+5℃~99℃							
Temperature	Sensitivity	±0.1℃						
	Motion	±0.3℃						
	Stability	±0.5℃						
	Control	PID microcomputer control, touch type, digital display						
	Sensor	Platinum Resistor PT100						
Ambient Temperature	Temperature: 5~30℃ Relative Humidity:80%							
Consumption	250W	550W	1000W	1500W	1000W	1500W	2000W	
Power Supply	110/220V±10%,50/60Hz							
Timing Range	0 ~ 99hours							
Type	Line	1	1	1	1	2	2	2
	Hole	1	2	4	6	4	6	8
Net Weight	5.5kg	7.5kg	11.5kg	14.5kg	11kg	12.5kg	15.5kg	



Illumination testing



Air curtain testing



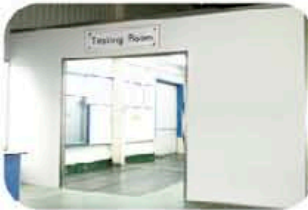
Vibration testing



Aerosol generator



Downflow testing



Testing Room



Aerosol photometer



Dust particles counter



Airflow cover

BIOBASE

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