



BIOBASE®

BIOBASE®

Biobase Biodustry (Shandong) Co.,Ltd
Biobase Meihua Trading Co., Ltd.

Add: No.51 South Gongye Road,Jinan City,China
Tel:+86-531-81219803/01 Fax:+86-531-81219804
Email:export@biobase.cn
Website:www.biobase.cc www.meihuatrade.com

Version
2014

BIOBASE®

INTRODUCTION

BIOBASE is a professional manufacturer of laboratory products since 1999. Our main products are Biosafety Cabinet (Class I / II / III), Laminar Flow Cabinet, Fume Hood, Biochemistry Analyzer, Reagent, Autoclave and Incubator. We have more than 1000 employees and 20000 square meters production base. Our output per year reaches 10000 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 advantages:

- We built an excellent research team which consists of 50 professional engineers
- We have 15 years production experience and a strong technical production team. And we adopt high-tech and state-of-the-art production equipment from Italy, Japan, and Switzerland, ect .
- We have a strong quality control team to inspect all production stage, from the purchased accessories to the finished products.
- We have full sets of advanced quality assurance equipments.
- We have ISO9001 quality management system; ISO14001 environment management system, ISO3485, CE mark, MET and NSF 49 certificate.
- We got EN 12469 certificate for Biosafety Cabinet in 2013.

CERTIFICATES



ISO 9001



ISO 13485



ISO 14001



EN 12469



NSF 49



MET(UL)



CE-Biological Safety Cabinet



CE-Laminar Flow Cabinet



CE-Fume Hood



CE-Class I Biosafety Cabinet

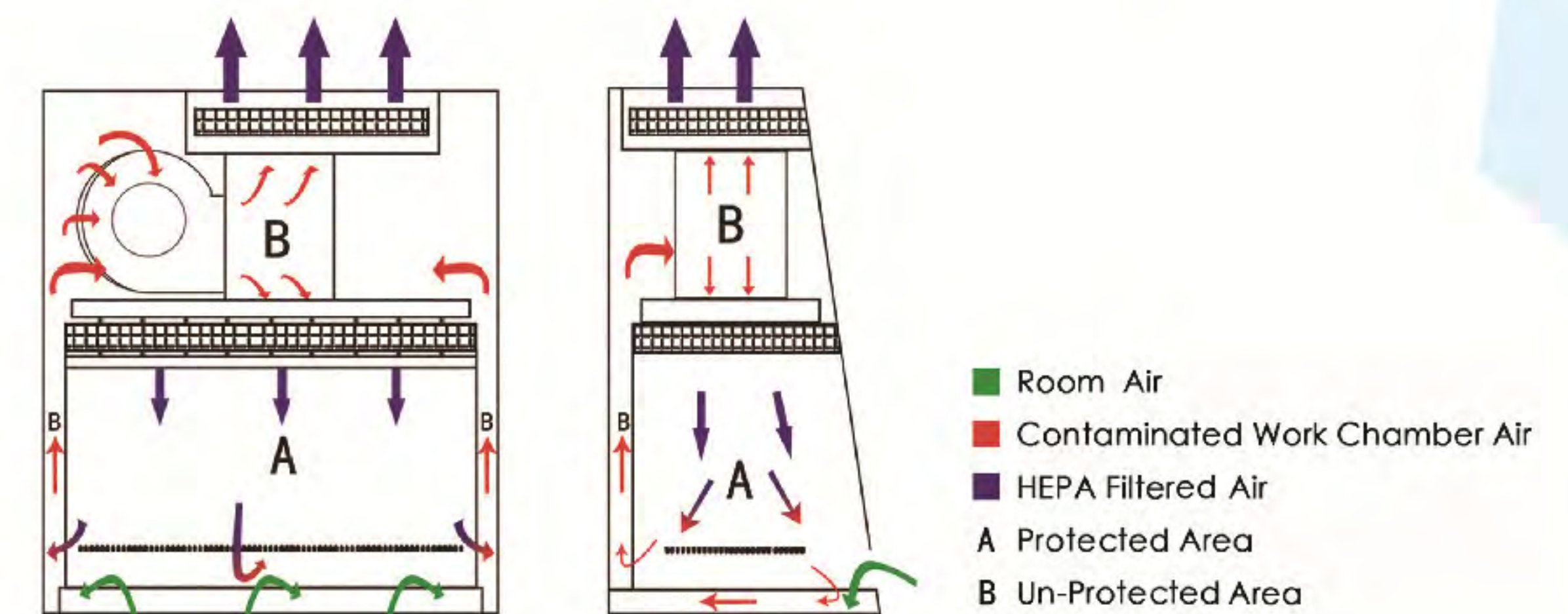


CONTENTS

- 001** *Class II A2 Biological Safety Cabinet*
- 013** *Class II B2 Biological Safety Cabinet*
- 017** *Class III Biological Safety Cabinet*
- 019** *Class I Biological Safety Cabinet*
- 023** *Laminar Flow Cabinet*
- 039** *Fume Hood*
- 047** *Air Purifier*
- 049** *Clean Booth*
- 051** *Dispensing Booth*
- 053** *Pathological Sampling Bench*
- 055** *Filter*

Class II A2 Biological Safety Cabinet

Three protection: operator, sample and environment.
Airflow system: 70% air recirculation, 30% air exhaust
A2 Cabinet is suitable for working with microbiological research in the absence of volatile or toxic chemicals and radionuclide.





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. **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.
4. **Time reserve function:** This can save 30 minutes waiting time after activating the cabinet and the sterilization time after experiment.
5. **Remote control:** Each function can be realized 6 meters away from the cabinet by remote control, which can protect the operator under emergency.
6. **Motorized front window:** The front window is motorized for convenient, one-hand operation.
7. **Voice prompt function:** Airflow alarm, filter replacing alarm and front window height alarm.

TECHNICAL PARAMETERS

Model	11231BBC86
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±0.025 m/s
Downflow Velocity	0.33±0.025 m/s
HEPA Filter	Two, 99.999% efficiency at 0.3 um. Filter life indicator.
Front Window	Motorized. Two-layer laminated toughened glass ≥ 5mm. Anti UV.
Noise	EN12469 ≤ 58 dB / NSF49 ≤ 61 dB
UV Lamp	18W*1 UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination.
Fluorescent Lamp	14W*1
Illumination	≥1000Lux
Consumption	500W
Socket	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
Power Supply	110/220V±10%, 60/50Hz
Standard Accessory	Fluorescent lamp, UV lamp*2, Remote control, Waterproof sockets*2
Optional Accessory	Base stand with caster; Universal caster with brake and leveling feet.
Gross Weight	110kg
Package Size(W*D*H)	950*850*1430mm



Class II A2 Biosafety Cabinet 11239BBC86



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



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



Work Zone
Work zone, made of 304 stainless steel, 4 sides are surrounded by negative pressure; V type intake grille avoids air holes being blocked by arms.



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.



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. Large digital display. You can find all the information on the screen.
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.
2. Remote control. Every function can be realized 6 meters away from the cabinet by remote control, which can protect the operator under emergency.
3. Motorized 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 activate the cabinet and the sterilization waiting time after experiment finishing.
5. Negative pressure plenum surrounds contaminated positive pressure plenum.
6. V type intake grille avoids air holes being blocked by arms.
7. Voice prompt function.

TECHNICAL PARAMETERS

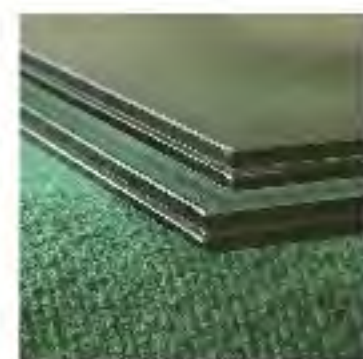
Model	11239BBC86
External Size(W*D*H)	1380× 750× 2290 mm
Internal Size(W*D*H)	1220× 600× 660 mm
Tested Opening	Safety height ≤200 mm
Max Opening	400 mm
Inflow Velocity	0.53 ±0.025 m/s
Downflow Velocity	0.33 ±0.025 m/s
HEAP Filter	Two, 99.999% efficiency at 0.3 um. Filter life indicator.
Front Window	Motorized. Two-layer laminated toughened glass > 5 mm. Anti UV.
Noise	EN12469≤58dB / NSF49≤ 61 dB
UV Lamp	30 W*1 UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination.
Fluorescent Lamp	40 W*1
Illumination	≥1000 lux
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	750 mm
Caster	Universal caster with brake and leveling feet
Consumption	600W
Power Supply	110/220V±10%, 60/50Hz
Standard Accessory	Remote control, Foot switch, UV lamp*2, Fluorescent lamp, Base stand, Drain valve, Waterproof sockets*2.
Optional Accessory	Water and gas tap
Package Size(W*D*H)	1515*870*1950mm
Gross Weight	310kg



NSF Certified Biological Safety Cabinet 4'



VFD Display
VFD display: demonstrate various colors with high bright, work no less than 30,000 hours continually



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



Stainless Steel Water and Gas Taps



Waterproof Socket



Work Zone
Work zone, made of 304 stainless steel, 4 sides are surrounded by negative pressure; V type intake grille.



UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

ADVANTAGE

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. Optional adjustable base stand, height range:635-845mm
3. One-piece removable work table, easy to clean.
4. Filter, Blower and Fluorescent lamp working time inquiry.
5. Work area surrounded by negative pressure, it can ensure maximum safety in work area.

TECHNICAL PARAMETERS

Model	11228 BBC86 (4')
External Size(W*D*H)	1421×850×2180mm 55.9"×33.4"×85.8"
Internal Size(W*D*H)	1220×665×650mm 48"×26.1"×25.6"
Work Surface Height	750mm
Max Opening	450mm (18")
Tested Opening	Safety height ≤200mm (8")
Front Window	Motorized, two-layer laminated toughened glass ≥ 5mm, anti UV.
HEPA Filter	Two, 99.999% efficiency at 0.3um, filter life indicator
Noise	NSF 49≤61 dB / EN 12469≤58 dB
Illumination	>850Lux
Display	VFD Display
Waterproof Sockets	Total load of 2 sockets: ≤500W, Socket amp fuse: 6.3A
Tap	Water tap*1, Gas tap *1
Filter guard Type	Aluminium Alloy frame
Ground Resistance	≤ 0.10Ω
Power Supply	AC 110V±10%, 60Hz ±1Hz, Full load Amps: 9A, BTU/Hr: 1689
Consumption	400W
Visual and Audio Alarm	Abnormal airflow velocity; Filter change; Front Window over height
Motors	One ECM motor, 110V& 220V acceptable, Speed adjustable, high efficiency and low power consumption
Average Airflow Velocity	Inflow:0.53±0.025m/s(105fpm); Downflow:0.35±0.025m/s(66fpm)
Airflow Volume	Inflow:465m ³ /h(275cfm); Downflow 67%: 956 m ³ /h (571cfm); Exhaust 33%: 465 m ³ /h (275cfm)
Material	working area: 304stainless steel/ Frame and Decorative Plate: cold-rolled steel with anti-bacteria power coating
UV Lamp	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, 5 holes Waterproof sockets
Optional Accessory	Armrest, Airflow tester, Formalin fumigation sterilizer, Infrared sterilizer, Adjustable base stand
Package Size(W*D*H)	1600*1050*1870mm
Gross Weight	330kg



NSF Certified Biological Safety Cabinet 3'&6'



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



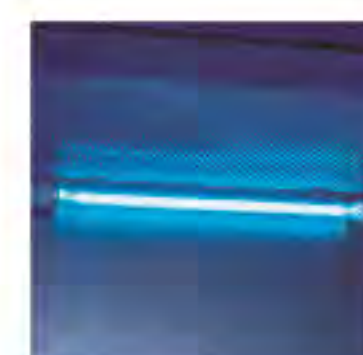
Stainless Steel Water and Gas Taps



Waterproof Socket



Work Zone
Work zone, made of 304 stainless steel, 4 sides are surrounded by negative pressure; V type intake grille avoids air holes being blocked by arms.



UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

ADVANTAGE

1. Large LCD display, you can find all information on the screen.
2. Optional adjustable base stand, height range:635-845mm.
3. One-piece removable work table, V type intake grille.

TECHNICAL PARAMETERS

Models		11235BBC86 (3')	11236BBC86 (6')
External Size(W*D*H)		1100x740x2308mm 43.3"x29.1"x90.8"	1886x750x2335 74.3"x29.5"x91.9"
Internal Size(W*D*H)		914x600x610mm 36"x23.6"x24"	1700x600x610mm 66.9"x23.6"x24"
Work Surface Height		750mm	
Max Opening		450mm (18")	
Tested Opening		Safety height ≤200mm (8")	
Average Airflow Velocity		Inflow: 0.53±0.025m/s(105fpm); Downflow: 0.35±0.025m/s(70fpm)	
Airflow Volume	Inflow	349 m ³ / h (205 cfm)	649 m ³ / h (382 cfm)
	Down flow	61%:550 m ³ / h (323 cfm)	61%:1006 m ³ / h (592 cfm)
	Exhaust	39% :349 m ³ / h (205 cfm)	39% :649 m ³ / h (382 cfm)
HEPA Filter		Two, 99.999% efficiency at 0.3 um; filter life indicator	
Noise		NSF 49≤61 dB/EN 12469≤58 dB	
Illumination		>850Lux	
Material		Working area: 304 stainless steel Frame and Decorative Plate: cold-rolled steel with anti-bacteria powder coating	
Motors		One ECM motor, 110V& 220V acceptable, Speed adjustable, high efficiency and low power consumption	
Visual and Audio Alarm		Abnormal airflow velocity; Filter change; Front Window over height	
Front Window		Manual, two-layer laminated toughened glass, anti UV	
Display		LCD display	
UV Lamp (optional)		18W	40W germicidal UV lamp Emission of 253.7 nanometers for most efficient decontamination UV life indicator
Waterproof Sockets		Total load of 2 sockets: ≤500W, Socket amp fuse: 6.3A	
Tap		Water tap *1, Gas tap *1	
Filter Guard Type		Aluminium Alloy frame	
Ground Resistance		≤ 0.10Ω	
Consumption		260W	300W
Power Supply		AC220V/110V, 50Hz/60HZ, Full load Amps: 9A, BTU/Hr: 1689	
Standard Accessory		Fluorescent lamp, Base stand, SS water & gas taps, Drain valve, Waterproof socket	
Optional Accessory		Armrest, Airflow tester, Formalin fumigation sterilizer, Infrared Sterilizer, Adjustable base stand, UV lamp	
Package Size(W*D*H)		1250*915*1890mm	2040x915x1920mm
Weight(kg)		260kg	380kg

EN Certified Biological Safety Cabinet 4'



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



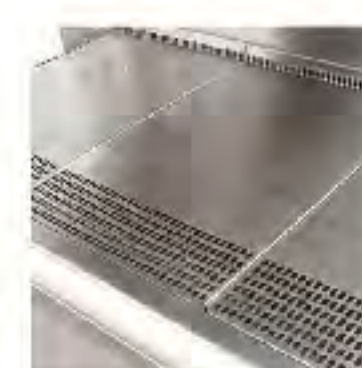
Front Window
Two-layer laminated toughened glass>5mm, Anti UV



UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.



Remote Control for Convenient Operation



Three Pieces 304 Stainless Steel Work Table



Waterproof Socket

ADVANTAGE

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

TECHNICAL PARAMETERS

Model	11237BBC86
External Size (W×D×H)	1300*790mm*2310mm
Internal Size (W×D×H)	1200*600*770mm
Work Surface Height	750mm
Max Opening	480mm
Tested Opening	Safety height ≤200mm
Noise	EN12469: ≤60dB
HEPA Filter	Two,99.999% efficiency at 0.3 um filter life indicator
Illumination	≥1000lux
Average Airflow Velocity	Inflow: 0.5±0.025m/s (98.4fpm), Downflow: 0.36±0.025m/s (71fpm)
Airflow Volume	Inflow: 430m³/h(270cfm), Downflow: 720m³/h(430cfm) Exhaust: 360m³/h(220cfm)
UV lamp (Optional)	30W germicidal UV lamp. Emission of 253.7 nanometers for most efficient decontamination; UV life indicator
Visual and Audio Alarm	Abnormal airflow velocity; Filter change; Front Window over height
Material	Main body: Cold-rolled steel coated with anti-bacteria powder coating Work surface: 304 Stainless steel, three pieces Side and front window: Two-layer laminated toughened glass, Anti UV
Power Supply (220-240V, AC, 50Hz)	Cabinet consumption/Amp: 430W/2.1A; BTU/Hr : 1466 Total load of 4 sockets : ≤500W; Socket amp fuse : 6.3A
Caster	Universal caster with brake and leveling feet.
Standard Accessory	waterproof sockets *4, Base stand, Remote control, Fluorescent lamp, Drain valve
Optional Accessory	Water and gas taps (6 units); UV Lamp
Gross Weight	300kg
Package Size(W*D*H)	1480*1000*1760mm



Class II A2 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.



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



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.



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

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	1100*600*660mm	1300*700*630mm	1710*600*660mm	1800*600*660mm
External Size(W*D*H)	1100*750*2250mm	1300*850*2200mm	1500*840*2280mm	1870*750*2290mm	1950*800*2305mm
Tested Opening	Safety Height ≤ 200 mm				
Max Opening	400 mm				
Inflow Velocity	0.53±0.025 m/s				
Downflow Velocity	0.33±0.025 m/s				
HEPA Filter	Two, 99.999% efficient at 0.3 um. Filter life indicator.				
Front Window	Motorized. Two-layer laminated toughened glass ≥ 5mm. Anti UV.				
Noise	EN12469 ≤ 58 dB / NSF49 ≤ 61 dB				
UV Lamp	18W*1	18W* 1	30W* 1	40W*1	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	1060W	1300W	1350W	1700W
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	Universal caster with brake and leveling feet.				
Power Supply	110/220V±10%, 60/50Hz				
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	255kg	305kg	350kg	390kg	420kg
Package Size(W*D*H)	1250*1050*1870mm	1450*1050*1870mm	1640*1040*1860mm	2010*1050*1960mm	2090*1050*1860mm

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.

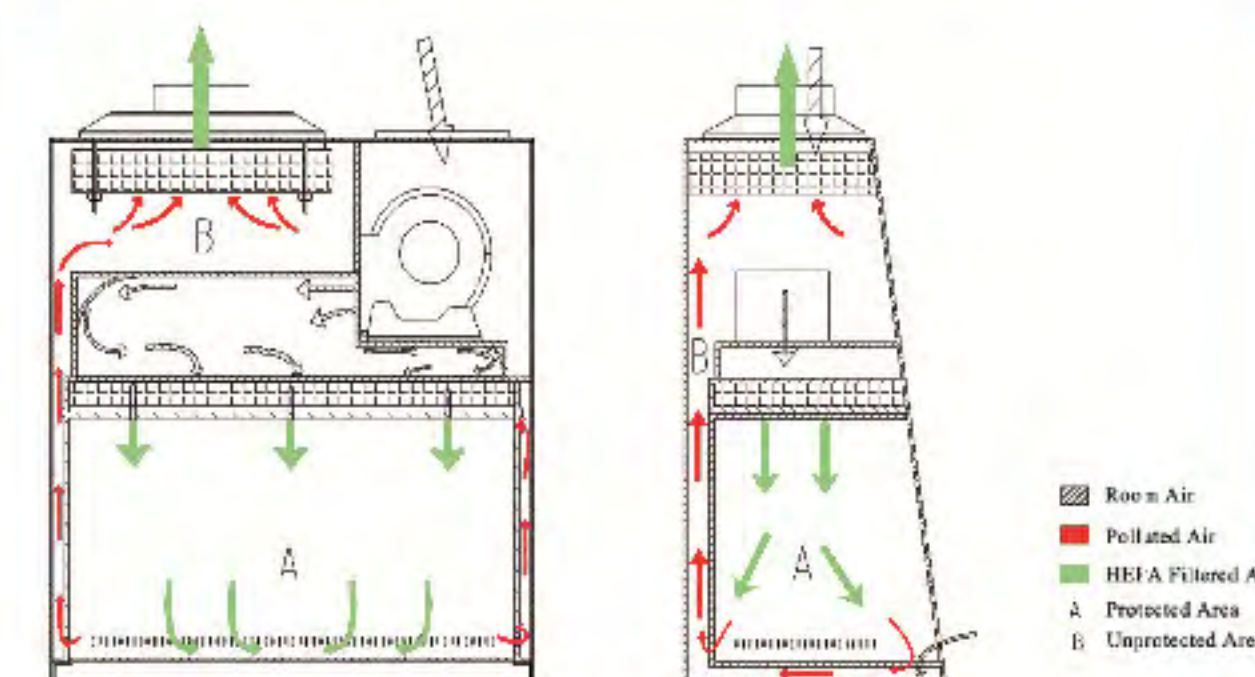
It may be used for work with volatile toxic chemicals and radionuclides as required as adjuncts to microbiological studies.

Cytotoxic Safety Cabinet

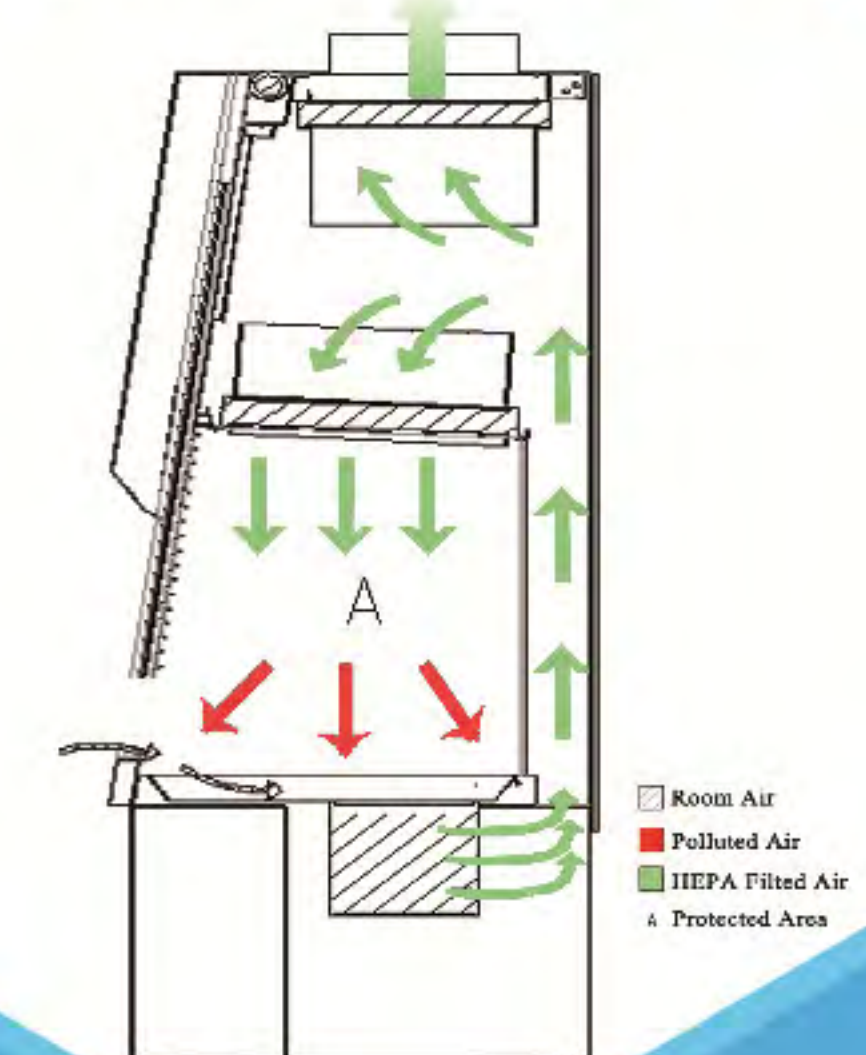
BIOBASE Cytotoxic Safety Cabinet is the premium solution for cytotoxic / antineoplastic drug processing, providing the highest level of patient, pharmacist and environmental protection.

The unique demands of handling and preparing cytotoxic drugs for use in chemotherapy require a specialized cabinet.

Class II B2 Biosafety Cabinet



Cytotoxic Safety Cabinet



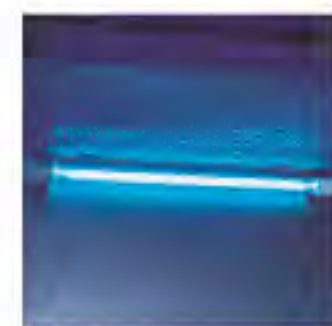
Class II B2 Biological Safety Cabinet



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



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



UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.



Foot Switch
Adjust front window height by foot during experiment, to avoid airflow turbulence caused by arm movement.



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



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



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



Footmaster Caster
Universal caster with brake and leveling feet.



Exhaust Blower
Centrifugal fan, Speed adjustable.

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. Work area surrounded by negative pressure, it can ensure maximum safety in work area.
6. Audio and visual alarm (Filter replacement, Window over height, abnormal Air flow velocity etc).
7. Most accessories are standard. No need to pay more, save your money.
8. Remote Control. All functions can be realized with it, making the operation much easier and more convenient.
9. Foot Switch. Adjust front window height by foot during experiment, to avoid airflow turbulence caused by arm movement.
10. Interlock Function: UV lamp and front window; UV lamp and blower, fluorescent lamp; Blower and front window.

TECHNICAL PARAMETERS

Model	BSC-1100IIB2-X	BSC-1300IIB2-X	BSC-1500IIB2-X	BSC-1800IIB2-X
Internal Size(W*D*H)	940*600*660mm	1100*600*660mm	1350*600*620mm	1600*670*630mm
External Size(W*D*H)	1100*750*2250mm	1300*850*2200mm	1500*760*2250mm	1800*840*2275mm
Tested Opening	Safety Height ≤ 200 mm			
Max Opening	400 mm			
Inflow Velocity	0.53±0.025 m/s			
Downflow Velocity	0.33±0.025 m/s			
Pre-filter	Washable			
HEPA Filter	Two, 99.999% efficient at 0.3 um. Filter life indicator.			
Front Window	Motorized. Two-layer laminated toughened glass ≥ 5mm. Anti UV			
Noise	EN12469≤58 dB / NSF49≤61dB			
UV Lamp	20W× 1	20W× 1	30W× 1	40W× 1
	UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination.			
Fluorescent Lamp	21W× 1	21W× 1	28W× 1	35W× 2
Illumination	≥1000Lux			
Consumption	1050W	1350W	1550W	1900W
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 Recirculation, 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	Universal caster with brake and leveling feet			
Power Supply	110/220V±10%, 60/50Hz			
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	350kg	360kg	440kg	470kg
Package	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



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



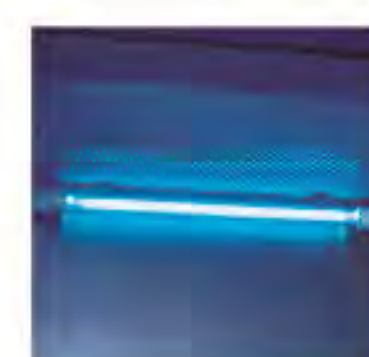
Water and Gas Tap
High quality stainless steel



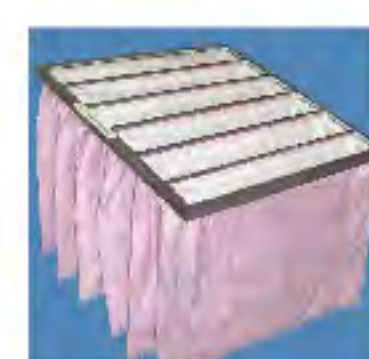
Front Window
Motorized, Two-layer laminated toughened glass >5mm, anti UV



Foot Switch
Adjust front window height by foot during experiment, to avoid airflow turbulence caused by arm movement.



UV Lamp
Emission of 253.7 nanometers for most efficient decontamination



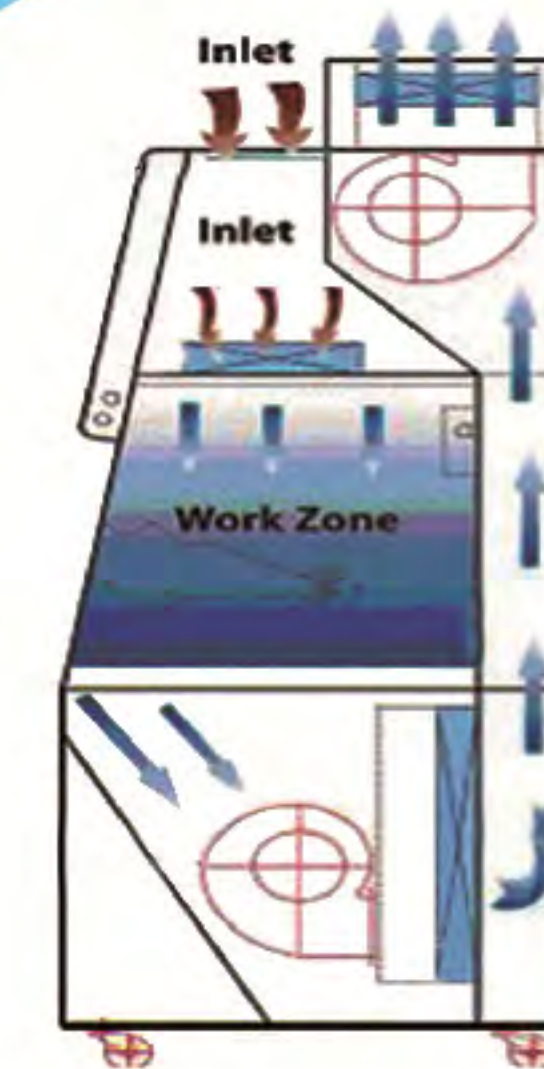
Bag In and Bag Out Filter
The PVC bag can ensure the safety of the personnel and the environment, and make the replacement process convenient and quick.

TECHNICAL PARAMETERS

Model	11234BBC86
Internal Size (W*D*H)	1220*600*630mm 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	400mm
Internal Work Area, space	0.73M ²
Inflow Velocity	0.46m/s
Down Flow Velocity	0.33m/s
Exhaust Volume with Thimble Duct	CBV Exhaust Volume 611 m ³ / h (360 cfm) Static Pressure at CBV Exhaust Volume 39 Pa / 0.15 in H ₂ O
Air Supply Filter	ULPA filter, efficiency > 99.999% for particle size between 0.1 -0.2 um
Exhaust Filter	2 pieces ULPA filter, efficiency > 99.999% for particle size between 0.1 -0.2 um Filter life indicator and Filter working time indicator.
Alarm	Audio and visual alarm, filter replacement, Window over height, Abnormal airflow velocity
Noise	≤ 60dB
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	≤ 700W
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 sheets with anti-bacteria powder coating
Front Window	Motorized, Two-layer laminated toughened glass ≥ 5mm, anti UV
Caster	Universal caster with brake and leveling feet
Power Supply	110/220V ± 10%, 60/50Hz
Standard Accessory	Base stand, Drain valve, waterproof sockets*2, Remote control, Foot switch, UV lamp*2 and Fluorescent Lamp, Water tap, Gas tap
Optional Accessory	Armrest, Formalin fumigation sterilizer, Infrared sterilizer, Airflow tester
Gross Weight	350kg
Package Size	1570*950*2220mm

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



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. Exhaust air is double-filtered through high-quality ULPA filters with typical efficiency of 99.999% for 0.1~0.2μm particles.
2. An angled cabinet front ensures an ergonomic working posture.
3. UV lamp ensures work area sterilization effectively.

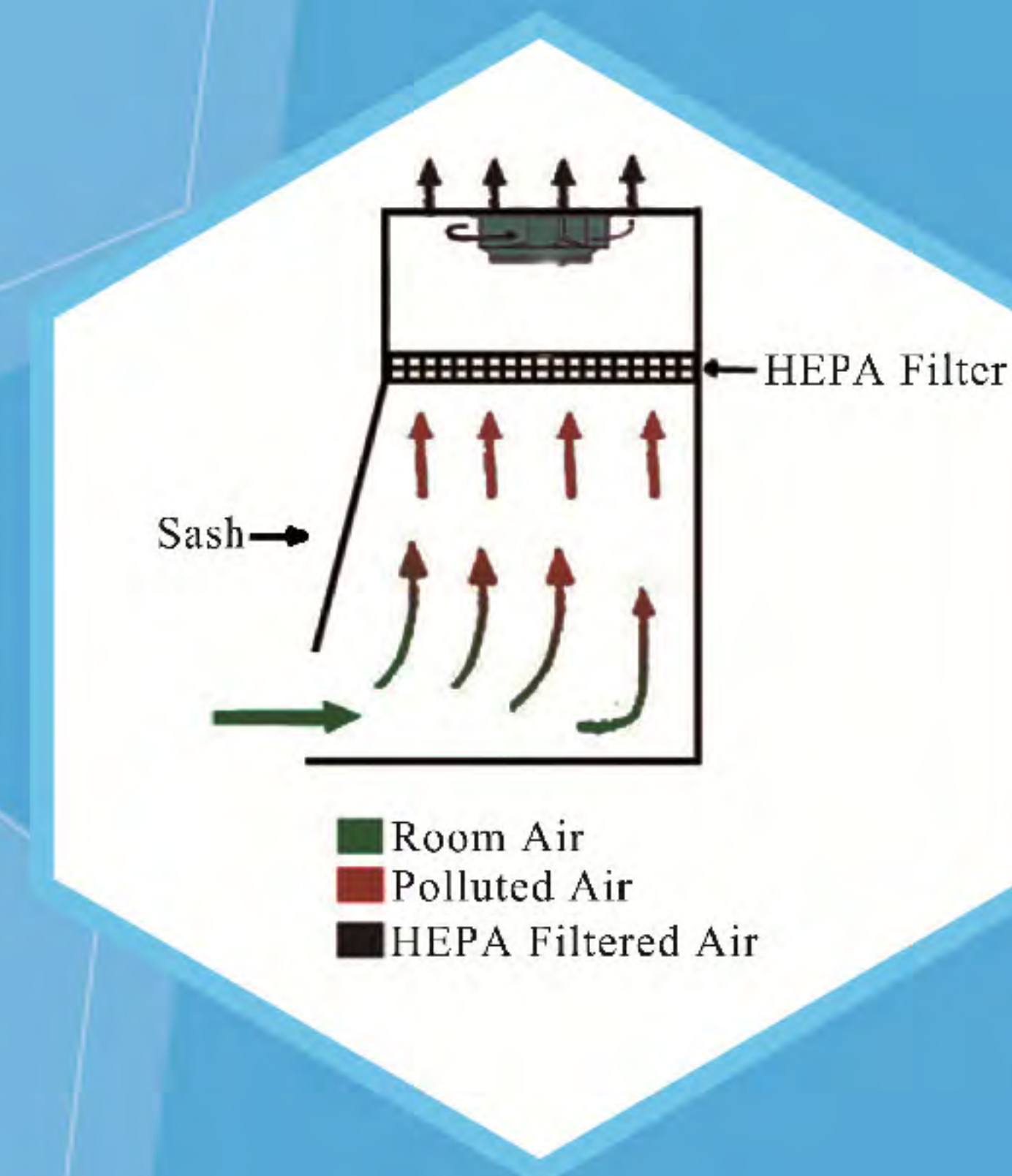
TECHNICAL PARAMETERS

Model	BSC-1500IIIIX
External Size (W*D*H)	1340*850*2100 mm
Internal Size (W*D*H)	1240* 650*650 mm
Pass Box Size (W*D*H)	Internal Size: 400*390*340 mm External Size: 480*400*400 mm
Gloves	One pair 800mm butyl rubber gloves
Front Window	8 mm toughened glass, anti-ultraviolet radiation
Display	LCD display
Pre-filter	Polyester fiber, washable
Pressure	≥ negative120 Pa
ULPA Filter	Air supply filter: Efficiency 99.999% at 0.1- 0.12um First exhaust filter: Efficiency 99.999% at 0.1- 0.12um Second exhaust filter: Efficiency 99.999% at 0.1- 0.12um
Noise	≤ 63 dB
Airflow Volume	440-870cfm
Alarm	Audio and visual alarm, Abnormal pressure; Filter replacement
Main Material	304 stainless steel
Illumination	≥ 1000 lux
Consumption	700W
Fluorescent Lamp	28W*2
UV Lamp	30W*1, 8W*1, Emission of 253.7 nanometers for most efficient decontamination
Power Supply	110V/220V±10% ,60/50 Hz
Gross Weight	395kg
Package Size(W*D*H)	2000*1000*2220mm
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.



Class I Biological Safety Cabinet



BYKG-I/II



BYKG-III



BYKG-V

ADVANTAGE

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

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 0.3 um			
Airflow Velocity	0.38-0.6m/s			
Noise	<60 dB			
Fluorescent Lamp	15W*1	18W*1	14W*2	21W*1
UV Lamp	15W*1	18W*1	20W*1	20W*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	No	No	No	740mm
Caster	No	No	No	Universal castor
Main Body Construction	PMMA	PMMA	Cold-rolled steel with anti-bacteria powder coating	
Work Table	304 stainless steel			
Power Supply	110/220V±10% , 60/50Hz			
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	950*700*1125mm	1050*850*1280mm	1250*840*2250mm

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.

SPECIFICATIONS

The maximum temperature is towards 930 °C in 10 minutes after turned on.

Two types:

Type I, 37mm dimension of cavity

Type II, 20mm dimension of cavity

Central high-temperature: 825°C±50 °C

Size: 150x95x210mm

Weight: 1600g

Voltage: 220 V/50Hz

Power: 180W



Armrest

Alleviate fatigue on operator's arms

Prevent air obstruction

Adjustable height range: 85~100mm



Laboratory Chair

Economy line- artificial leather

Anatomically designed seat and backrest

Washable, easy to clean, robust and durable

Seat height adjustment by gas lift

Backrest adjustable in height and inclination

Height range: 38-48cm

Necessary Test Tools for Biosafety Cabinet



Airflow Tester

Specifications:
Power supply: 220 AC 50/60HZ ; 110V, 60Hz
Input power: 30w Fuse: T2A L (2.5x20)
Work style: Intermittent working≤15 min
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



Dust Particle Counter

Particle size channel:
0.3, 0.5, 1.0, 3.0, 5.0, 10.0(um)
Sampling period: 1-10 minutes
Number of sampling point: 2-9
Sampling frequency: 2-9
Sampling quantity: 2.83 S/m



Digital Sound Level Meter

Measurement Range: 30~130dB
Accuracy: ±2dB
Resolution: 0.1dB
Sample rate : 4 times/s , 1 times/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

Neutralize the balance formalin with ammonium hydrogen carbonate

Model: TZ-100

Power supply: 220V/50Hz

Power: 180w

Volume: 100ml



3. Protective Garment



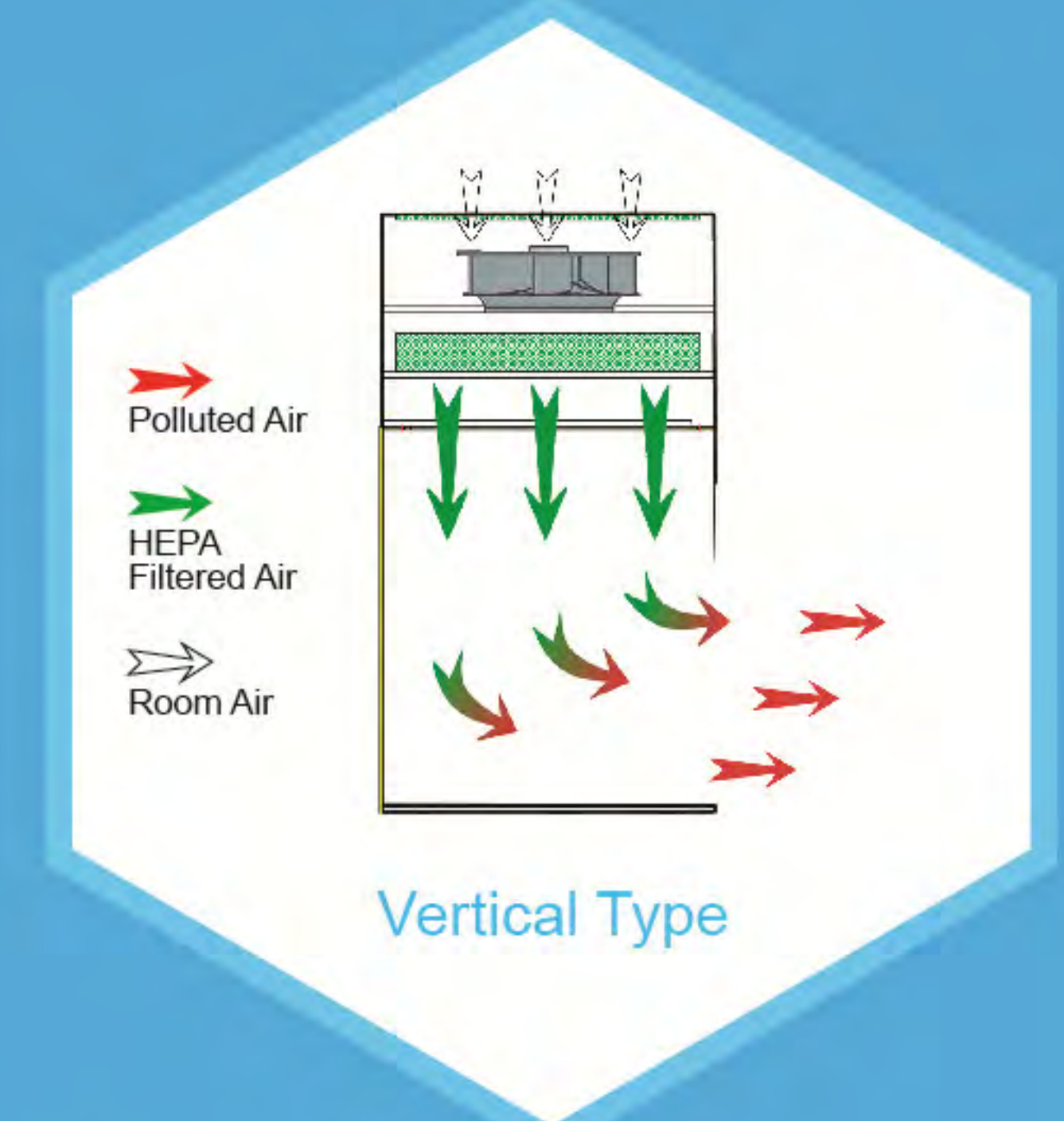
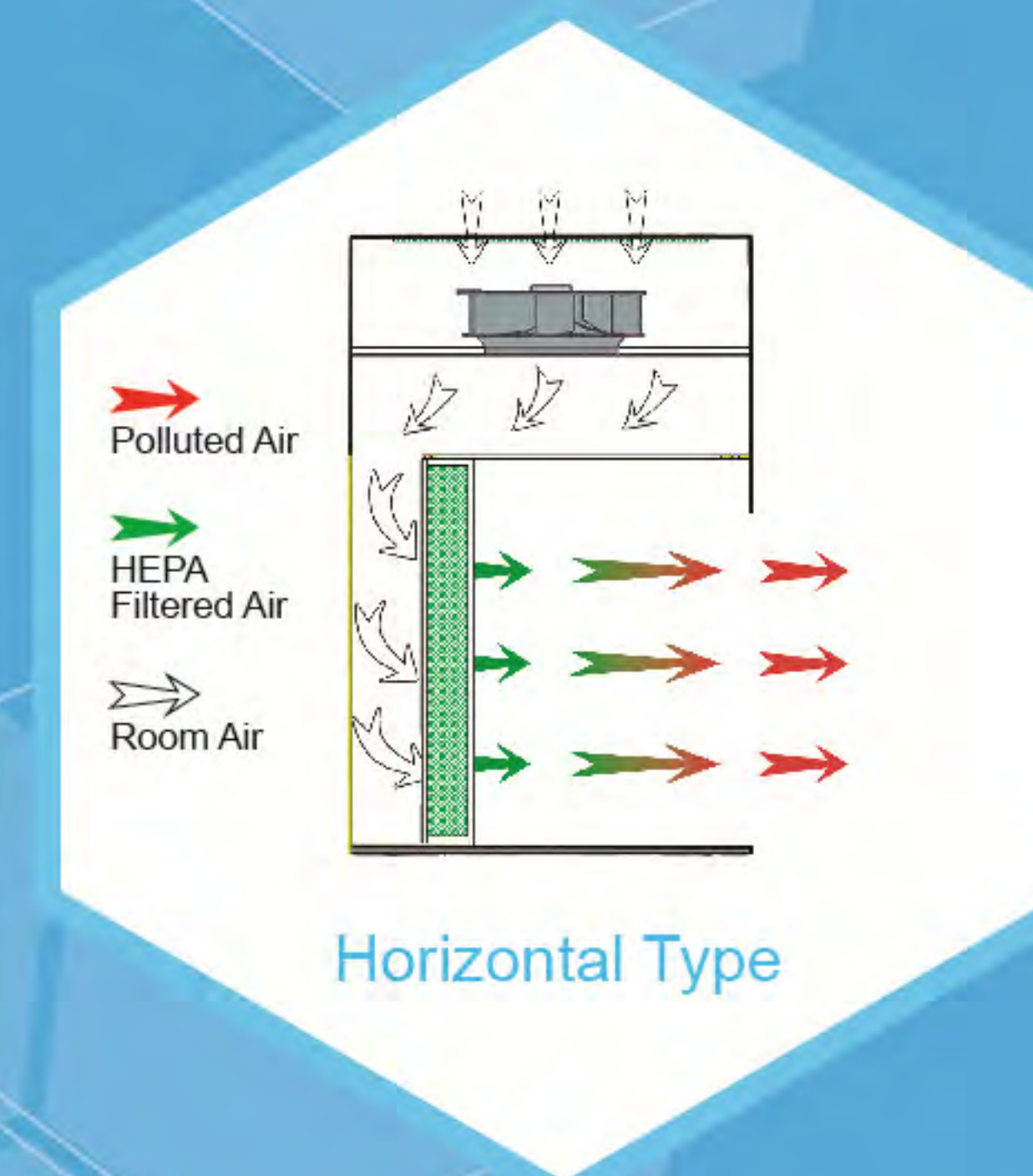
4. Protective Gloves

Laminar Flow Cabinet

Laminar Flow Cabinet –sample protection only

Laminar Flow Cabinet is a work bench or similar enclosure, which creates a 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.



Horizontal Laminar Flow Cabinet



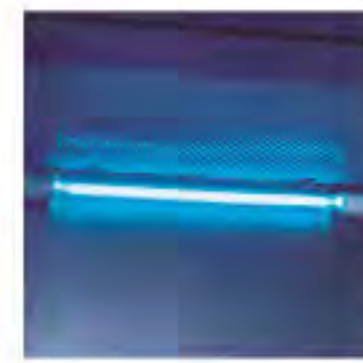
LCD Display:
Airflow velocity, UV timer, UV work time, system work time, real time



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-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
Work Surface Height	720mm	
Display	LCD Display, with air flow display and real time	
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	99.999% efficiency at 0.3um	
Noise	<60dB	
Front Window	Motorized, Side and Front Window: 5mm toughened glass, anti UV	
Max Opening	520mm	
Fluorescent Lamp	28W*1	28W*1
UV Lamp	Emission of 253.7 nanometers	
Consumption	400W	700W
Waterproof Socket	Two, total load≤500W	
Caster	Universal caster with leveling feet	
Power Supply	110/220V±10%; 60/50Hz	
Standard Accessory	Fluorescent lamp, UV lamp*2, Base stand,	Fluorescent lamp, UV lamp*2, Base stand,
	Tap, Waterproof socket*2	Gas tap, Water tap, Socket*2
Gross Weight	165kg	270kg
Package Size (W*D*H)	1470*1060*1600mm	1960*1000*1600mm



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)	980*500*600mm	1380*500*600mm
Work Surface Height	700mm	
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-ultraviolet radiation	
Pre-filter	Polyester fiber, washable	
HEPA Filter	99.999% efficiency at 0.3um	
Noise	<60dB	
Fluorescent Lamp	21W*1	28W*1
UV Lamp	Emission of 253.7 nanometers	
Consumption	320W	620W
Waterproof Socket	Two, total load≤500W	
Caster	Universal caster with leveling feet	
Power Supply	110/220V±10%; 60/50Hz	
Standard Accessory	Fluorescent lamp, UV lamp*2,Base stand, Waterproof socket*2	
Gross Weight	143kg	183kg
Package Size (W*D*H)	1230*940*1900mm	1630*940*1900mm

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*2000mm	1800*700*2010mm
Internal Size (W*D*H)	1200*645*610mm	1700*645*610mm
Work Surface Height	720mm	
Display	LCD Display, with air flow display and real time	
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-ultraviolet radiation	
Pre-filter	Polyester fiber, washable	
HEPA Filter	99.999% efficiency at 0.3um	
Noise	<60dB	
Front Window	Motorized, Side and Front Windows: 5mm toughened glass, anti UV	
Max Opening	520mm	
Fluorescent Lamp	28W*1	36W*1
UV Lamp	Emission of 253.7 nanometers	
Consumption	400W	450W
Waterproof Socket	Two, total load≤500W	
Caster	Universal caseter with leveling feet	
Power Supply	110/220V±10%; 60/50Hz	
Standard Accessory	Fluorescent lamp, UV lamp*2,Base stand, Tap, Waterproof socket*2	
Gross Weight	170kg	255kg
Package Size (W*D*H)	1470*980*1570mm	1870*980*1570mm

Vertical Laminar Flow Cabinet



BBS-DDC



BBS-V680



BBS-V800



BBS-SDC2100

TECHNICAL PARAMETERS

Model	BBS-V680	BBS-V800	BBS-DDC	BBS-SDC	BBS-SDC2100
External Size (W*D*H), mm	680*410*1160	802*615*1575	1040*600*1730	1440*600*1730	2100*740*2550
Internal Size (W*D*H), mm	630*375*615	800*600*540	940*580*540	1340*580*540	2000*705*1100
Work Surface Height	No	660mm	730mm	730mm	730mm
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 0.3um				
Noise	<60dB				
Front Window	No	Manual, 5mm toughened glass, anti-UV			Motorized, 8mm PMMA
Max Opening	No	490mm	350mm	350mm	400mm
Fluorescent Lamp	14W*1	14W*1	21W*1	28W*1	36W*1
UV Lamp	Emission of 253.7 nanometers				
Consumption	160W	350W	350W	600W	700W
Waterproof Socket	No				2, total load≤500V
Caster	No	Universal wheel with leveling feet			
Power Supply	110/220V±10%; 60/50Hz				
Standard Accessory	Fluorescent lamp, UV lamp*2 (for all models) Water & gas tap (for model BBS-V680) Base stand (except model BBS-V680) Foot switch and Waterproof socket*2 (for model BBS-SDC2100)				
Gross Weight	50kg	120kg	150kg	210kg	300kg
Package Size (W*D*H), mm	750*460*1170	960*770*1800	1200*780*1350	1600*780*1350	2250*1000*2120

Vertical Laminar Flow Cabinet

----Double Sides Type



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.

TECHNICAL PARAMETERS

Model	BBS-DSC	BBS-SSC
External Size (W*D*H)	1040*630*1730mm	1440*630*1730mm
Internal Size (W*D*H)	940*630*540mm	1340*630*540mm
Work Surface Height	730mm	
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 0.3um	
Noise	<60dB	
Front Window	Manual, 5mm toughened glass, anti-UV	
Max Opening	350mm	350mm
UV Lamp	Emission of 253.7 nanometers	
Fluorescent Lamp	21W*1	28W*1
Consumption	350W	600W
Caster	Universal caster with leveling feet	
Power Supply	110/220V±10%; 60/50Hz	
Standard Accessory	Fluorescent lamp, UV lamp*2,Base stand	
Gross Weight	200kg	260kg
Package Size (W*D*H)	1200*830*1350mm	1600*830*1350mm

Mini Cabinet

There are two types:

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

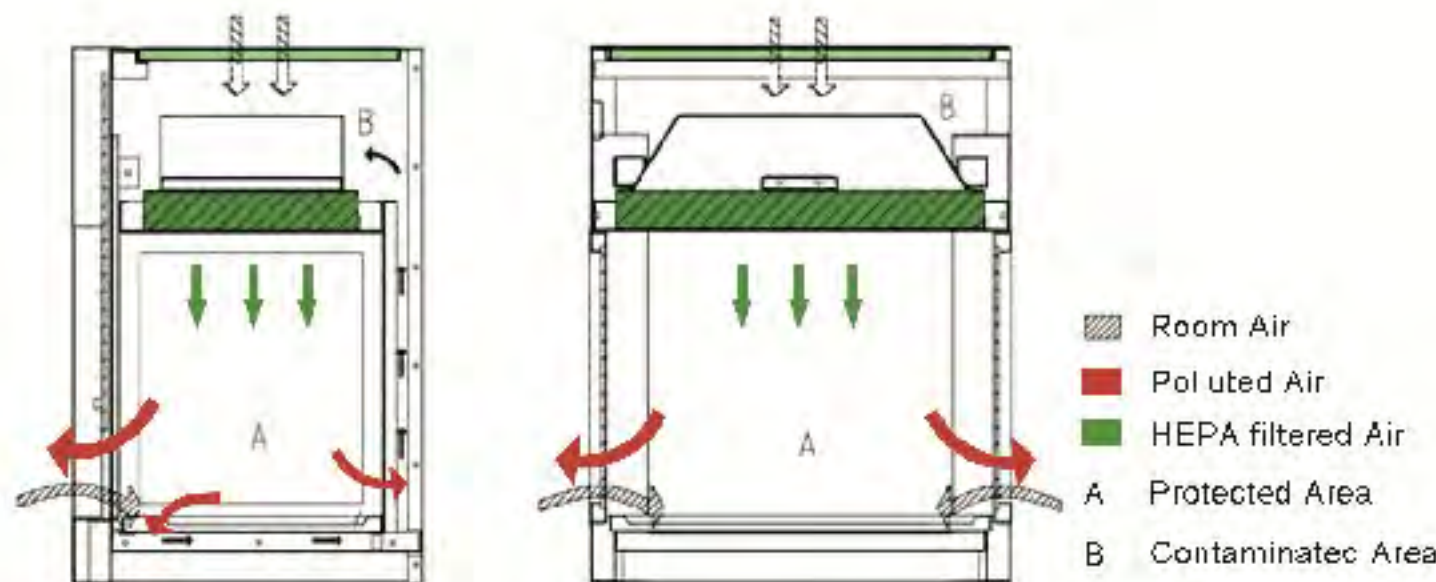
Class I biological safety cabinet BYKG-VII, negative pressure in work area protects operator and environment.

Advantage:

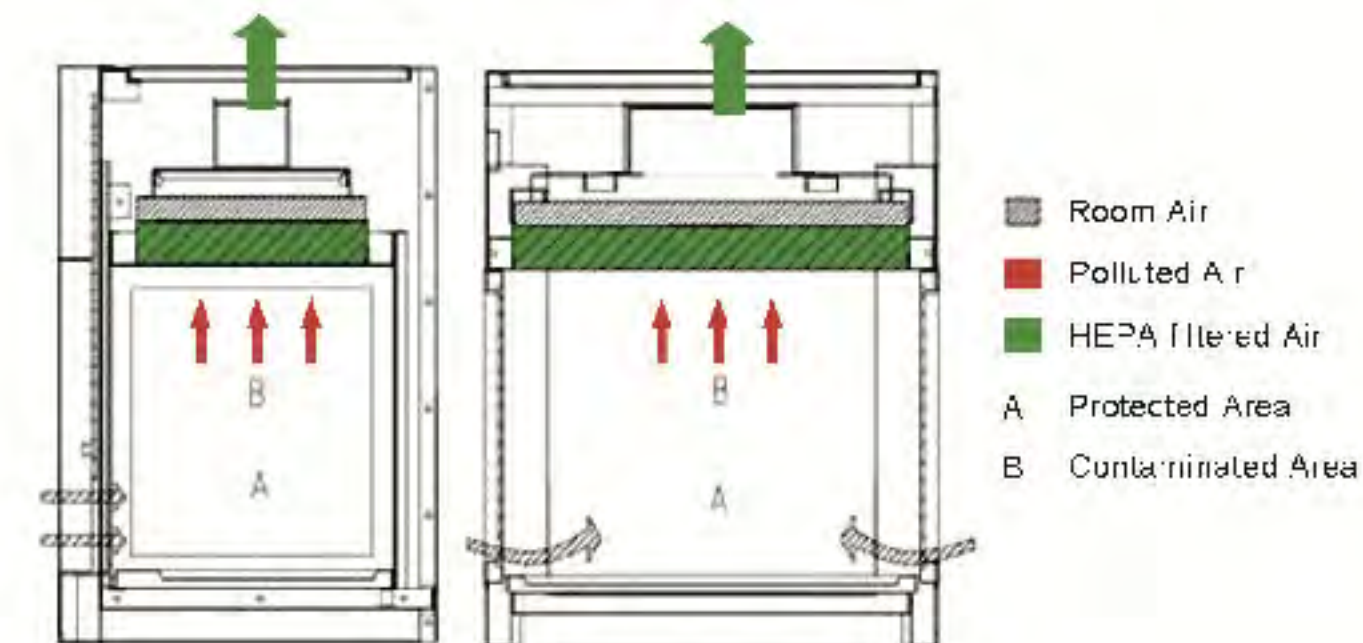
1. HEPA Filter with efficiency: 99.999% at 0.3um.
2. Microprocessor control system, LED Display.
3. Air speed adjustable.
4. Tabletop type, easy to carry and save space.

Air Flow Pattern:

BBS-V500



BYKG-VII



TECHNICAL PARAMETERS

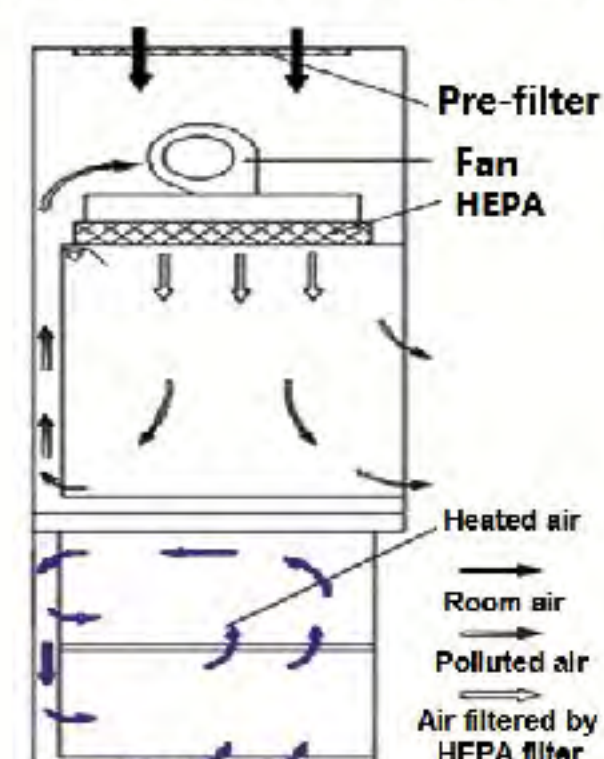
Model	BBS-V500	BYKG-VII
External Size (W*D*H)	550*460*700 mm	
Internal Size (W*D*H)	480*340*370 mm	
Display	LED Display	
Airflow Velocity	0.3~0.6m/s	≥0.5m/s
Material	Main Body: Cold-rolled steel with anti-bacteria powder coating Work Table:304 stainless steel	
Pre-filter	Polyester fiber, washable	
HEPA Filter	99.999% efficiency at 0.3um	
Noise	<60dB	
Front Window	Manual, 5mm toughened glass, anti UV	
Max Opening	310mm	
Fluorescent Lamp	8W*1	
UV Lamp	Emission of 253.7 nanometers	
Consumption	110W	
Power Supply	110/220V±10%; 60/50Hz	
Standard Accessory	Fluorescent lamp*1, UV lamp*2	
Gross Weight	40kg	
Package Size (W*D*H)	650*550*815mm	



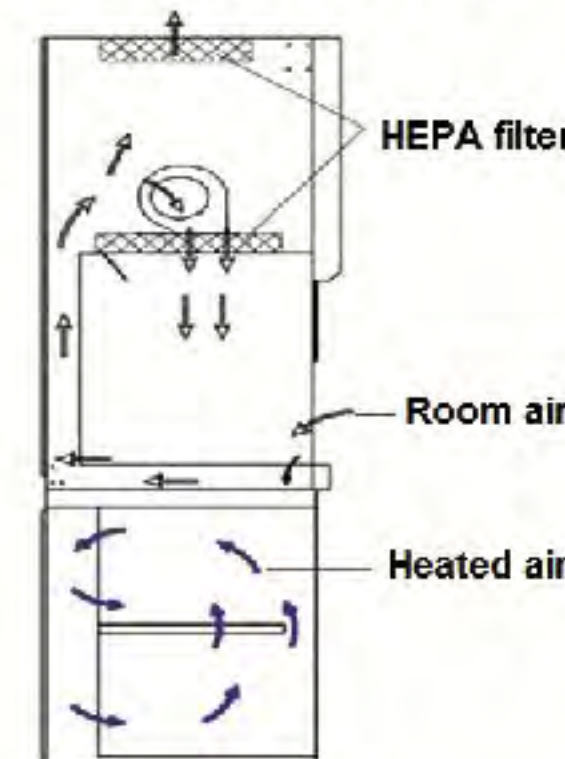
Medicine Compounding Cabinet



Air Pattern for PYG-1000-A/PYG-1200-B



Air Pattern for PYG-1200-C



LED Display
LED display: pressure and temperature.



Reflector
Through the reflector can see impurities in the transparent vial clearly.



Heating Cabinet
Heating sample to meet the dispensing temperature requirements.



Storage Cabinet
Storage cabinet only for model PYG-1200-B, PYG-1200-C.

INTRODUCTION

Medicine Compounding Cabinet is designed for dosage of drip medicine before treatment in hospital. It uses the technology of air purify, the test light of medicine, and heat the drip medicine automatically to make a clean environment for medicine dosage. And it can be used to heat the drip medicine and test the clean degree of drip medicine. It can be used in ICU, Preparation rooms, clinics, especially in winter.

TECHNICAL PARAMETERS

Model	PYG-1000-A	PYG-1200-B	PYG-1200-C
External Size (W*D*H)	1000* 680* 2200mm	1200* 680* 2200mm	1200* 695* 2200mm
Internal Size (W*D*H)	920* 565* 745 mm	1120* 565* 740 mm	1100* 540* 600mm
Material	Main Body: Cold-rolled steel with anti-bacteria powder coating Work Table: 304 stainless steel		
Front & Side Windows	5mm toughened glass		
Pre-filter	Washable, except model BYG-1200-C		
Filter	1	1	2
	HEPA filter with 99.999% efficiency at 0.3um.		
Airflow Velocity	0.3m/s		
Work Area Pressure	Positive		Negative
Protection	Sample		Three: operator, sample, environment
Noise	≤ 60dB		
Front Window	No		Motorized
IV Bar	One IV bar with 10 pothooks for medicine bottles		
Fluorescent Lamp	21 W * 1		
Heating Cabinet	Size: 280*500*600mm (W*D*H) Temperature range: 27-35℃ Consumption: 300W		
Work Surface Height	750 mm		
Caster	Universal caster		
Power Supply	110/220V±10%, 60/50Hz		
Consumption	600 W	600W	1000 W
Gross Weight	250kg	270kg	280kg
Package Size (W*D*H)	1190*870*1650mm 1190*870*980mm	1390*870*1650mm 1390*870*980mm	1390*870*1650mm 1390*870*980mm



PCR Cabinet



LED Display
LED display: UV timer.



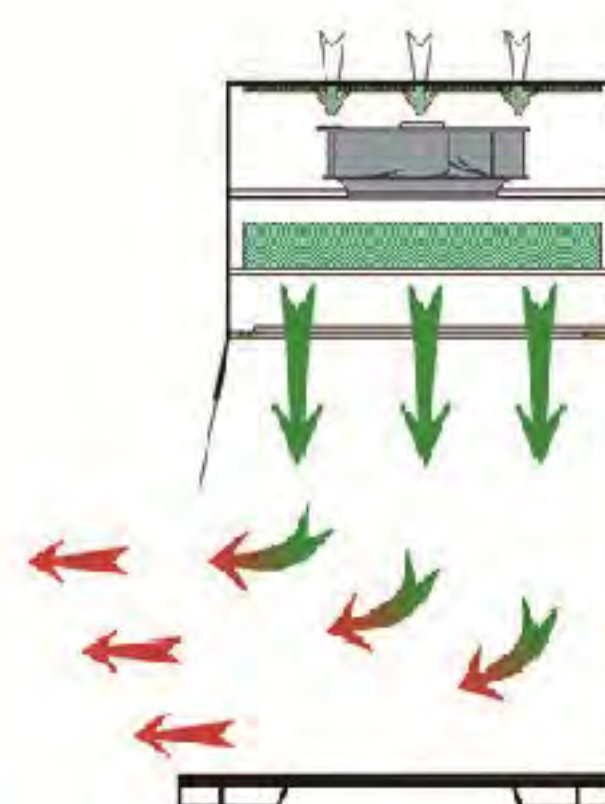
Waterproof Socket
2 waterproof sockets are located in the back wall, for optimum convenience of using small devices inside the cabinet.



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

ADVANTAGE

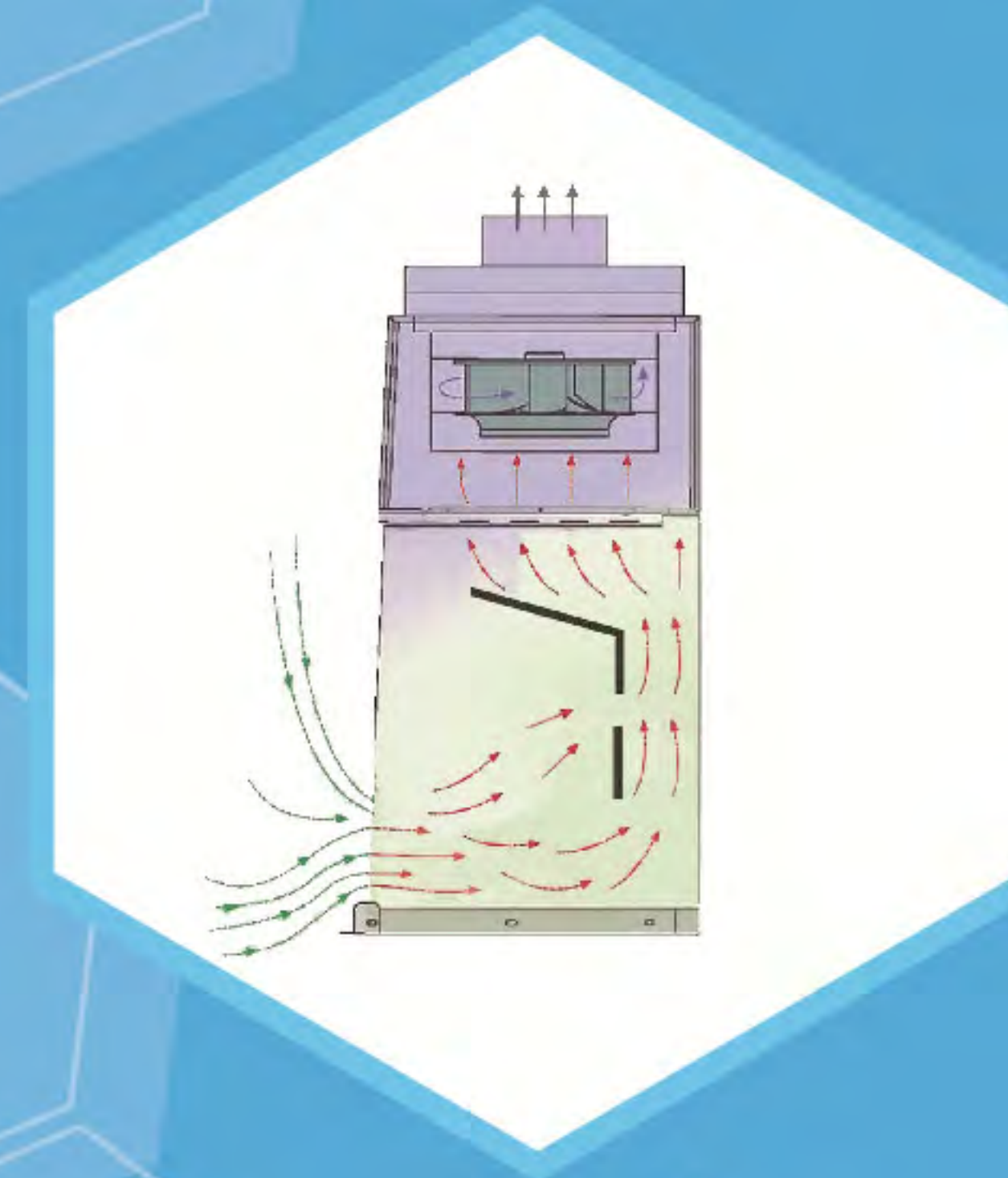
1. UV sterilization system.
2. HEPA filter efficiency 99.999% at 0.3um.
3. LED display.
4. Audio alarm: filter replacement alarm.
5. Interlock function: UV lamp only can be switched on when the front window is closed, ensuring operator safety.
6. UV timer (1-99 minutes): When the set time expires, the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

TECHNICAL PARAMETERS

Model	PCR-01
External Size (W*D*H)	1000*695*1720mm
Internal Size (W*D*H)	996*685*630mm
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 Manual front window, anti-UV
Max Opening	400mm
Pre-filter	Polyester fiber, Washable
HEPA Filter	99.999% efficiency at 0.3um.
Airflow Velocity	0.3-0.5m/s, speed adjustable
Noise	≤60dB
UV Lamp	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	110/220V±10%, 60/50Hz
Standard Accessory	UV lamp*2, Fluorescent lamp, Base stand, Waterproof socket*2, Shelf with IV bar
Gross Weight	150kg
Package Size (W*D*H)	1165*870*1970mm

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



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

ADVANTAGE

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

TECHNICAL PARAMETERS

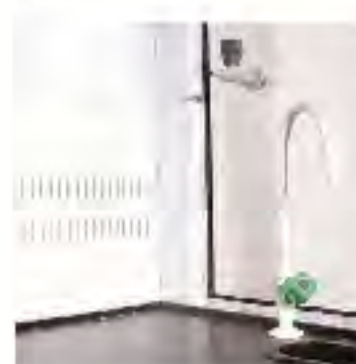
Model		FH1000	FH1200	FH1500	FH1800
External Size (W*D*H)		1000*750*2320mm	1200*800*2345mm	1500*800*2345mm	1800*800*2345mm
Internal Size (W*D*H)		820*620*750mm	1020*670*750mm	1320*670*750mm	1620*670*750mm
Work Surface Height		850mm			
Max Opening		450mm			
Air Velocity		Class I			
Protection Class		IP 20			
Protection Type		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		110/220V±10%, 60/50Hz			
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	Solid chemical resistant physiochemical board			
Standard Accessory		UV lamp*2, Fluorescent lamp, Water tap, Gas tap, Water sink, Base cabinet, Pipe strap. Total load of 2 waterproof sockets: 1000W 4 meters PVC exhaust duct			
Optional Accessory		Active carbon filter or HEPA filter			
Gross Weight		230kg	270kg	370kg	420kg
Package	Main Body	1140*900*1850 mm	1340*940*1890mm	1640*940*1890mm	1940*940*1890mm
	Base Cabinet	1140*900*900mm	1340*940*900mm	1640*940*900mm	1940*940*900mm



Fume Hood



LED Display
Digital LED display: Airflow Level



Water & Gas Tap
Water Sink



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



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



Back Side Air Compensation
To avoid turbulence in work area

ADVANTAGE

1. Back side air compensation, to avoid turbulence in work area.
2. Microprocessor control system, LED display.
3. Adjustable air speed: 9 levels.
4. Motorized front glass window.
5. UV Lamp for sterilization.
6. Transparent side glass windows maximize light and visibility inside the cabinet, providing a bright and open working environment.
7. 10° slope front ergonomics design, fatigue-free working posture.

TECHNICAL PARAMETERS

Model	FH1000(X)	FH1200(X)	FH1500(X)	FH1800(X)
External Size (W*D*H)	1000*800*2200mm	1200*800*2200mm	1500*800*2200mm	1800*800*2200mm
Internal Size (W*D*H)	880*730*745mm	1080*730*745mm	1380*730*745mm	1680*730*745mm
Max Opening	450mm			
Work Surface Height	850mm			
Blower	Built-in centrifugal blowers; 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-ultraviolet radiation			
Material	Exterior Body: Cold-rolled steel with anti-bacteria powder coating. Work table: Solid chemical-resistant physiochemical board			
Power Supply	110/220V±10%, 60/50Hz			
Consumption	300W	300W	400W	500W
Standard Accessory	Water tap; Gas tap; Water sink; Base stand Total load of 2 waterproof sockets: 1000W 4 meters exhaust duct Active carbon filter Foot switch			
Gross Weight	230kg	320kg	370kg	420kg
Package Size(W*D*H)	1140*1110*1670 mm	1340*1110*1670mm	1640*1110*1670mm	1940*1110*1670mm



Fume Hood



LED Display
Digital LED display: Airflow Level



Water&Gas Remote Control



Water&Gas Tap



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

TECHNICAL PARAMETERS

Model		FH1000(A)	FH1200(A)	FH1500(A)	FH1800(A)
External Size (W*D*H)		1040*750*2200mm	1240*800*2200mm	1540*800*2200mm	1840*800*2200mm
Internal Size (W*D*H)		820*620*770mm	1020*670*770mm	1320*670*770mm	1620*670*770mm
Work Surface Height		850mm			
Max Opening		450mm			
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		110/220V±10%, 60/50Hz			
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	Solid chemical resistant physiochemical board			
Standard Accessory		UV lamp*2, Fluorescent lamp, Water tap, Gas tap, Water sink, Base cabinet			
		Total load of 2 waterproof sockets: 1000W			
		4-meter PVC exhaust duct, pipe strap			
Package	Main Body	1180*900*1750 mm	1380*940*1790mm	1680*940*1790mm	1980*940*1790mm
	Base Cabinet	1180*900*900mm	1380*940*900mm	1680*940*900mm	1980*940*900mm
Gross Weight		230kg	270kg	370kg	420kg



Walk-in
Fume Hood



Water Sink



Water & Gas Remote
Control Valve



Application



Water & Gas Tap



Application

INTRODUCTION

Walk-in fume hood supplies exhaust system for large laboratory instruments and equipment. Meanwhile, operators can walk into the fume hood to operate the equipments conveniently and directly. It is widely used in following areas:

- ◆ Hospitals & Pharmaceutical
- ◆ Education Institutions
- ◆ Other Industrial Projects
- ◆ R & D Centers
- ◆ Petroleum & Petrochemical Plants

TECHNICAL PARAMETERS

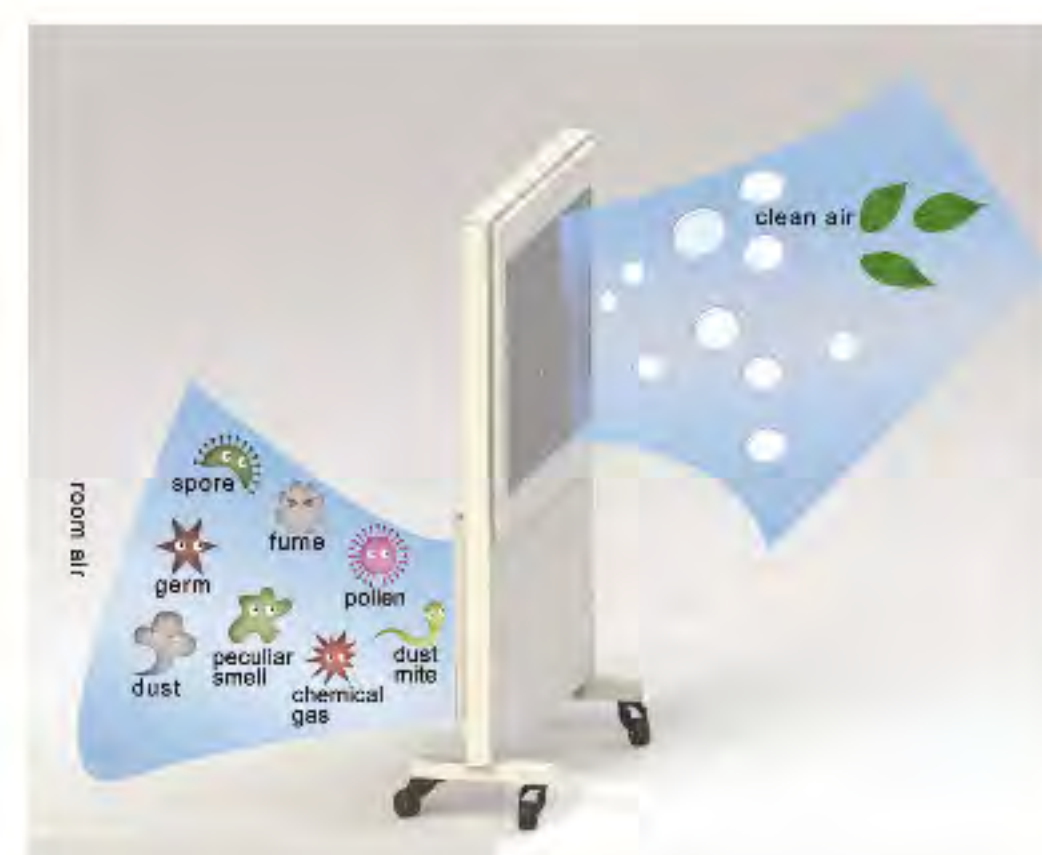
Model		FH1200(W)	FH1500(W)	FH1800(W)
External Size (W*D*H)		1200*830*2200mm	1500*830*2200mm	1800*830*2200mm
Internal Size (W*D*H)		1000*650*1500mm	1300*650*1500mm	1600*650*1500mm
Max Opening		1150mm		
Exhaust Airflow Volume		1200m³/h	1500m³/h	2000m³/h
Inflow Air Velocity		≥0.4m/s		
Noise		62dB		
Vibration		XYZ direct ≤4μm		
Illumination		≥800Lux		
Fluorescent Lamp		21W*1	28W*1	40W*1
Power Supply		110/220V±10%, 60/50Hz		
Consumption		400W	600W	800W
Front Window		Manual. Two layer laminated toughened glass ≥5mm. Anti UV		
Material	Exterior	1.2mm cold-rolled steel with bacteria powder coating.		
	Interior	High grade melamine board with good acid and alkali resistance function		
Standard Accessory		Fluorescent lamp, Water tap, Gas tap, PP cup sink, Remote control water valve, Remote control gas valve, Waterproof sockets * 4.		
Sockets		Total load of 4 waterproof sockets: ≤1000W		
Optional Accessory		Blower, Ø300mm PVC Duct		
Package Size (W*D*H)		1400*1030*2500mm	1700*1030*2500mm	2000*1030*2500mm



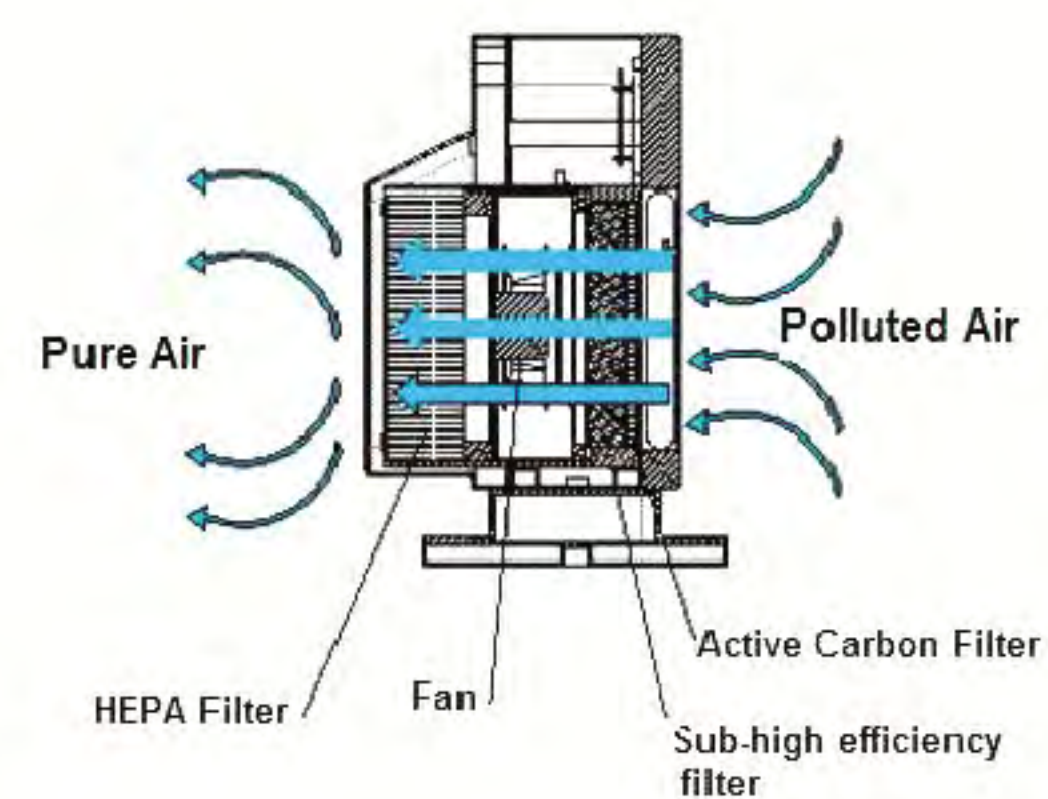
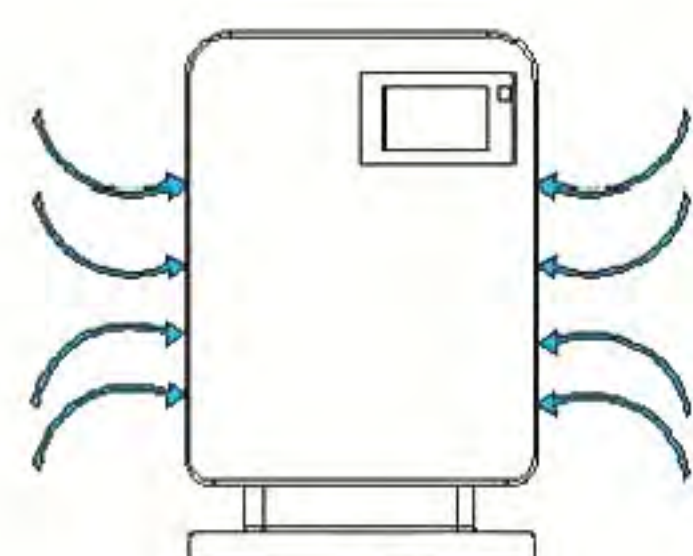
Air Purifier



QRJ-128



QRJ-168 III



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. HEPA filter, 99.999% efficiency at 0.3 um.
2. Low noise, less than 50db.
3. Adjustable air velocity and intelligent timing function, timing range 1h, 2h, 3h.
4. Touch screen control panel.
5. Filter life indicator
6. Three filters: HEPA filter, active carbon filter and sub-high efficiency filter.
7. QRJ-168III could be used to eliminate formaldehyde.

NOTE: 4~7 is only for QRJ-168III.

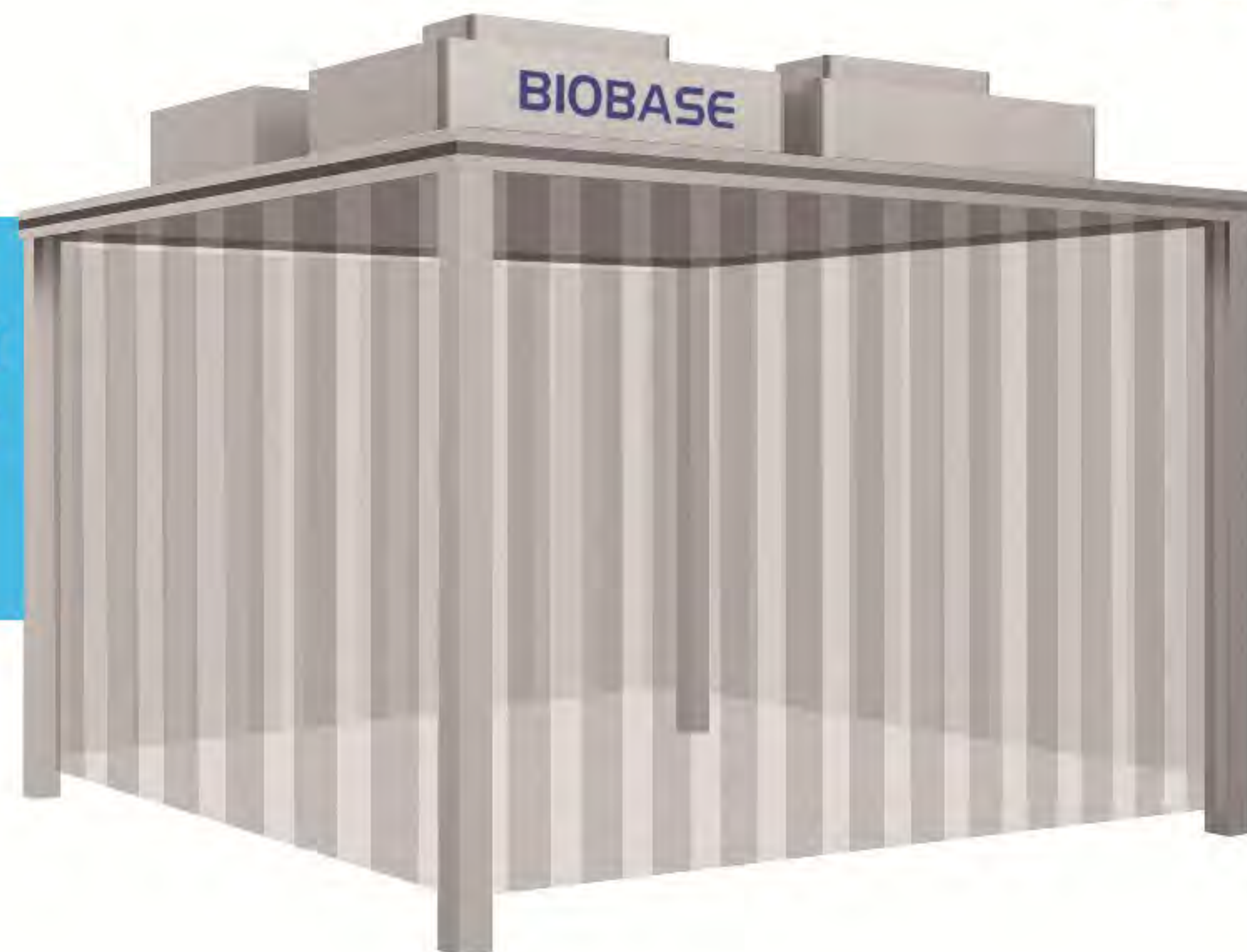
TECHNICAL PARAMETERS

Model	QRJ-128	QRJ-168III
External Size(W*D*H)	900*60*1400mm	370*380*550 mm
Filter	HEPA filter	HEPA filter, active carbon filter and sub-high efficiency filter.
Optimal Space	20m ²	15 m ²
Noise	<60dB	<50dB
Consumption	60w	34W
Adjustable Air Speed	7 levels	20 levels
Power Supply	110/220v±10%, 60/50Hz	
Cleanness at Outlet	Class 100	
Gross Weight	40kg	16kg
Package Size	1090*455*1600mm	420*430*605mm





Clean Booth (Down Flow Booth)



Customization Available



Reference Picture



Reference Picture

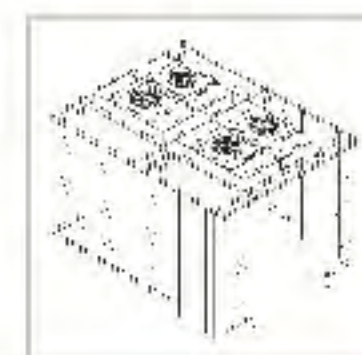


Microprocessor Control Panel:

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.



Design Drawing



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. It can be used singly or combined.
2. 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.
3. Modular construction, easy to increase clean level, good expansion and reusable, convenient movement (Universal wheel can be installed).
4. Customized design is welcome.

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 Filters	99.999% efficiency at 0.3 um			
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	Stainless steel / aluminum / painting steel sheet			
Wall Material	Anti-static dustproof curtain			
Blower	Built-in centrifugal blower; speed adjustable			
UV Lamp	Emission of 253.7nm, with UV timer			
Air Velocity	0.1~0.6m/s, average 0.45m/s			
Noise	≤58db			
Power Supply	110/220V±10%, 50/60HZ			
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 0-500Pa.



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

TECHNICAL PARAMETERS

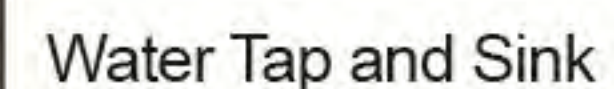
Model	BKDB-1200	BKDB-1800	BKDB-2400
Clean Level	ISO 5 (Class 100), Class A		
HEPA Filters	99.999% efficiency at 0.3 um		
Air Volume	Supply air volume: ≤7500m3/h, Exhaust air volume: ≤2250m3/h; Adjustable		
Material	Fully stainless steel		
Air Velocity	0.35~0.65m/s, adjustable		
Noise	≤75db		
Illumination	≥800lux		
UV Lamp	Emission of 253.7nm		
Power Supply	110/220V±10%, 50/60Hz		
Consumption	400W	800W	800W
Weight	150kg	200kg	250kg
Work Area Size (W*D*H)	1200*1200*2000mm	1800*1800*2000mm	2400*1800*2000mm
Customized design for clean level, size or material is available			



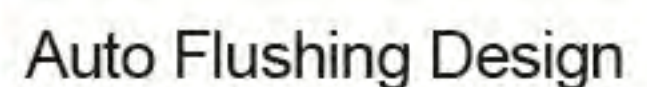
UV light,
Fluorescent light,
Adjustable spotlight,
Stainless steel hanger,
"UV, FAN, LIGHT, PULVERIZER" Control.



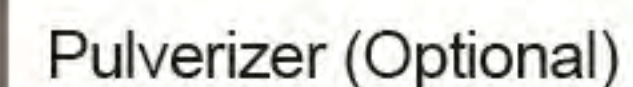
Suction inlet
Suction inlet adopts louver-type. The upper mouth structure ensures above blower suction, avoiding air back-streaming.



Stainless steel
Whole-structure



Automatic flushing device, slightly right-side inclined worktable, easy for waste discharge and cleaning.



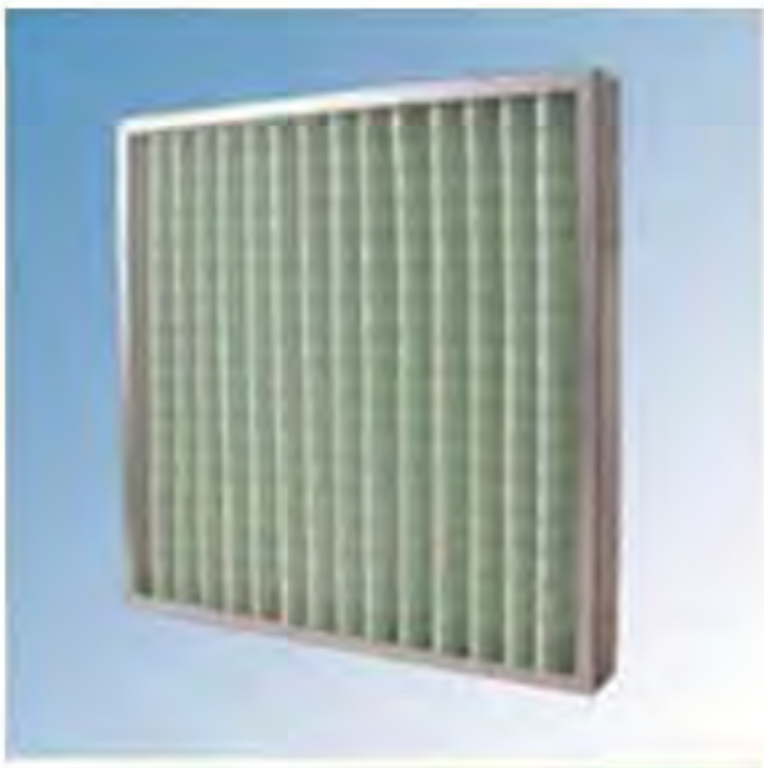
Penetration (Optional)
Completely smash the waste during test, to avoid blocking drainage pipes.

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.

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

Model		QCT-1500	QCT-1800
External Size (W*D*H)		1500*750*1950mm	1800*750*1950mm
Internal Size (W*D*H)		1395*430*900mm	1695*430*900mm
Work Surface Height		900 mm	
Consumption		300W	
Power Supply		110/220V±10%; 60/50Hz	
Exhaust Airflow Volume		500-600m3/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; Automatic flushing device; Stainless steel hanger; Adjustable hot and cold water tap; 180mm deep stainless steel water sink, funnel with filter.	
Optional Accessories		Pulverizer, Electrical water heater, Automatic induction hand dryer, Eye washer, Camera.	

Filter



MPP



APP



CPP

PRIMARY FILTER (Other specifications are available upon request)

Applications: Pre-filters for AHUs and other ventilation systems; Pre-filters for gas turbines; Special industries such as nuclear, defense; Circulation filtration system in clean room; Pre-filters for HEPA filtration systems in limited area.

TECHNICAL PARAMETERS

MPP Panel Filters		
Efficiency	G3	G4 (EN779)
Specifications	Metal frame/Pleated non-woven synthetic media with wire netting on two sides	
Features	Reliable, international dimensions, compact structure, low initial resistance	
Media Surface Area (m²)	1.2	1.2
Initial Resistance (Pa)	60	85
Rated Air Flow(m³/h)	3400	3400
APP Panel Filters		
Efficiency	G3	G4 (EN779)
Specifications	Aluminum frame/ Non-woven synthetic media	
Features	Reliable, international dimensions, compact structure, low initial resistance	
Media Surface Area (m²)	0.6	0.6
Initial Resistance (Pa)	80	105
Rated Air Flow(m³/h)	3400	3400
CPP Panel Filters		
Efficiency	G3	
Specifications	Cardboard frame/Pleated non-woven synthetic media with wire netting on down stream sides	
Features	Cheap light, International dimensions, compact structure	
Media Surface Area (m²)	1.15	2.04
Initial Resistance (Pa)	75	50
Rated Air Flow(m³/h)	3400	3400



VH Minipleat High Velocity Hepa Filters WuGe Mini-pleat panel HEPA Air Filters



HEPA FILTER (Other specifications are available upon request)

Application: VH filters are usually applied to protect final ULPA panels in cleanrooms. They are also used at critical application such as nuclear power stations, defense industries.		
Efficiency	H13	H13
Specifications	Galvanized steel frame, fiberglass media, hot-melt separator, EPDM gasket	
Features	Higher rated airflow-3400m³/h; high efficiency~H10~H14(EN1822); low pressure drop-compact structure, more media area, no more than 270Pa at rated airflow.	
Initial Resistance (Pa)	260	280
Rated Air Flow(m³/h)	3400	1700
WuGe Mini-pleat panel HEPA Air Filters		
Application: Clean rooms, FFU, HEPA, diffusers		
Initial Resistance at 0.45m/s, Velocity, Pa	H14(99.995%):150	H14(99.995%):150
	H13(99.95%):120	H13(99.95%):120
Specifications	Aluminum frame, fiberglass media, hot-melt separator	
Features	High performance fiberglass media; All filters pass the performance testing before packing.	

ACTIVE CARBON FILTER (Other specifications are available upon request)

	Applications: Broadly applied to various air conditions and ventilation systems, removing low concentrations of organic pollutions and odor.	
	Frame	Aluminum
	Media	Non-woven synthetic media dipped in active carbon
	Features	Higher capacity sorbents light weight, international dimensions, replaceable media, remove both dust and contaminated gases.
	Initial Resistance (Pa)	70 45
	Rated Air Flow(m³/h)	3400 3400

TANB Panel Active Carbon Air Filter-Economic type