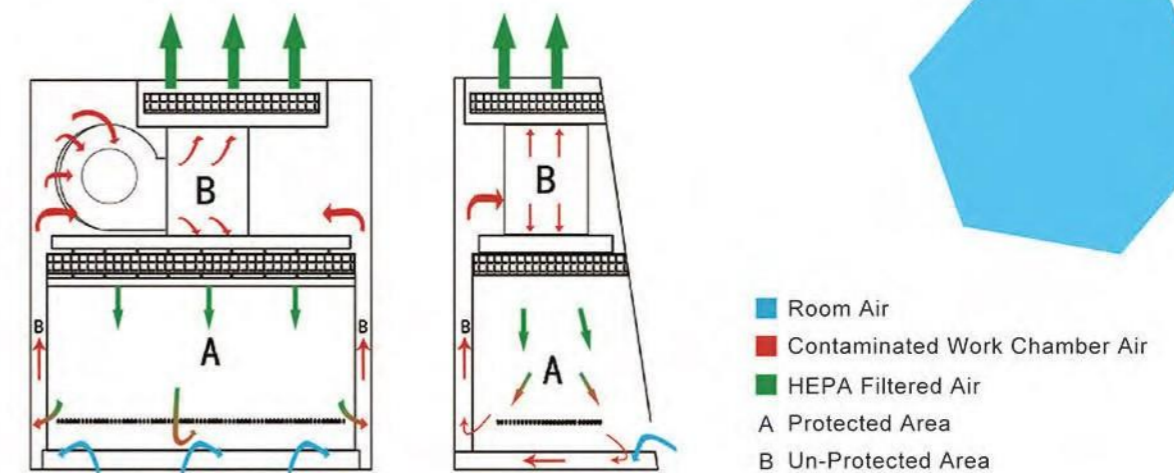


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- 001 *Class II A2 Biological Safety Cabinet*
- 011 *Class II B2 Biological Safety Cabinet*
- 013 *Cytotoxic Safety Cabinet*
- 015 *Class III Biological Safety Cabinet*
- 017 *Class I Biological Safety Cabinet*
- 021 *Laminar Flow Cabinet*
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- 059 *Air Purifier*
- 061 *Air Shower and Pass Box*

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.

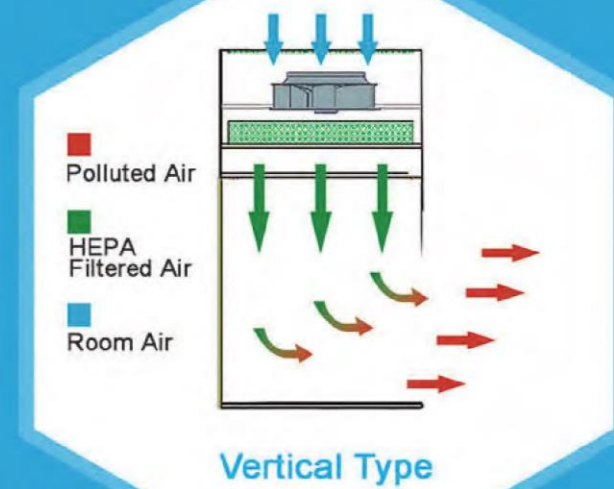
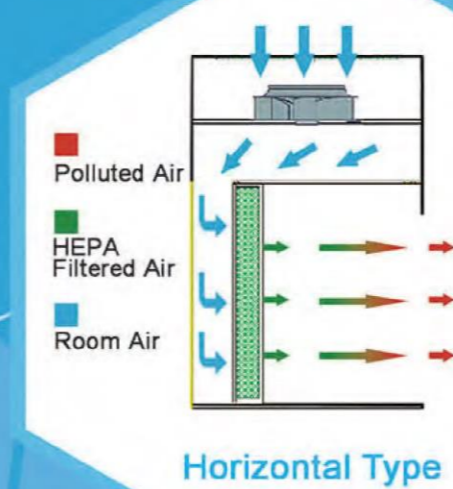


Laminar Flow Cabinet

Laminar Flow Cabinet - sample protection only

Laminar Flow Cabinet is a work bench or similar enclosure, which creates a particles-free working environment by taking air 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, hospital, 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*820*2040mm	1800*820*2070mm
Internal Size (W*D*H)	1200*500*570mm	1700*500*570mm
Work Surface Height	750mm	
Display	LCD Display	
Airflow Velocity	Average of 0.3~0.5m/s	
Material	Main Body: Cold-rolled steel with anti-bacteria powder coating Work Table: 304 stainless steel Side and Front Window: 5mm toughened glass, anti-UV	
Pre-Filter	Polyester fiber, washable	
HEPA Filter	99.999% efficiency at 0.3µm	
Noise	<65dB	
Front Window	Motorized	
Max Opening	430mm	
LED Lamp	12W*1	16W*2
UV Lamp	30W*1	30W*1
	Emission of 253.7 nanometers	
Consumption	400W	500W
Waterproof Socket	Two, total loads500W	
Caster	Universal caster with leveling feet	
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
Standard Accessory	LED lamp, UV lamp*2, Base stand, Gas Tap, Waterproof socket*2 Water tap(only for BBS-H1800)	
Optional Accessory	Electric height adjustable base stand	
Gross Weight	254kg	328kg
Package Size(W*D*H)	1450*1060*1650mm	1950*1030*1540mm

Horizontal Laminar Flow Cabinet



LCD Display

Microprocessor control system, LCD display



Waterproof Socket

2 waterproof sockets are located in the top 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)	BBS-H1800(X)
External Size (W*D*H)	1100*808*1690mm	1500*808*1690mm	1800*808*1890mm
Internal Size (W*D*H)	1000*500*600mm	1400*500*600mm	1700*500*800mm
Work Surface Height	750mm		
Display	LCD Display		
Airflow Velocity	Average of 0.30~0.45m/s		
Material	Main Body: Cold-rolled steel with anti-bacteria powder coating Work Table: 304 stainless steel Side Windows: 8mm toughened glass, anti-UV		
Pre-Filter	Polyester fiber, washable		
HEPA Filter	99.999% efficiency at 0.3µm		
Noise	≤65dB(A)		
LED Lamp	12W*1	16W*1	16W*2
UV Lamp	20W*1	30W*1	20W*2
	Emission of 253.7 nanometers		
Consumption	200W	300W	400W
Waterproof Socket	Two, total load≤500W		
Caster	Universal caster with leveling feet		
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz		
Standard Accessory	LED lamp, UV lamp*2, Base stand, Waterproof socket*2, Hook*10		
Optional Accessory	Electric height adjustable base stand		
Gross Weight	170kg	185kg	240kg
Package Size(W*D*H)	1250*1030*1340mm	1650*1030*1340mm	1950*1050*1550mm



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)	1300*750*2040mm	1800*750*2040mm
Internal Size (W*D*H)	1200*645*610mm	1700*645*610mm
Work Surface Height	750mm	
Display	LCD Display	
Airflow Velocity	Average of 0.3~0.5m/s	
Material	Main Body: Cold-rolled steel with anti-bacteria powder coating Work Table: 304 stainless steel Side and Front Windows: 5mm toughened glass anti-UV	
Pre-Filter	Polyester fiber, washable	
HEPA Filter	99.999% efficiency at 0.3µm	
Noise	<65dB	
Front Window	Motorized	
Max Opening	430mm	430mm
LED Lamp	12W*1	16W*1
UV Lamp	30W*1 Emission of 253.7 nanometers	40W*1
Consumption	400W	450W
Waterproof Socket	Two, total load≤500W	
Caster	Universal caster with leveling feet	
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
Standard Accessory	LED lamp, UV lamp*2, Base stand, Gas Tap, Waterproof socket*2	
Optional Accessory	Electric height adjustable base stand	
Gross Weight	228kg	306kg
Package Size (W*D*H)	1460*1070*1650mm	1960*970*1600mm



Vertical Laminar Flow Cabinet



BBS-DDC/BBS-SDC



BBS-V680



BBS-V800

TECHNICAL PARAMETERS

Model	BBS-V680	BBS-V800	BBS-DDC	BBS-SDC
External Size (W*D*H)	680*410*1160mm	802*650*1550mm	1040*615*1770mm	1440*615*1770mm
Internal Size (W*D*H)	630*375*615mm	800*530*540mm	940*540*545mm	1340*540*545mm
Work Surface Height	/	660mm	750mm	750mm
Display	LED Display			
Airflow Velocity	Average of 0.3~0.5m/s, air speed adjustable			
Material	Main Body: Cold-rolled steel with anti-bacteria power coating Work Table: 304 stainless steel(except model BBS-V680)			
Pre-Filter	Polyester fiber, washable			
HEPA Filter	99.999% efficiency at 0.3 μm			
Noise	<65dB			
Front Window	/	Manual, 5mm toughened glass, anti-UV		
Max Opening	/	490mm	310mm	310mm
Illuminating Lamp	Fluorescent lamp 14W*1	LED lamp 8W*1	LED lamp 12W*1	LED lamp 16W*1
UV Lamp	15W*1	20W*1	18W*1	30W*1
	Emission of 253.7 nanometers			
Consumption	160W	350W	350W	600W
Standard Accessory	Fluorescent lamp UV lamp*2 Water & gas tap	LED lamp UV lamp*2 Base stand	LED lamp UV lamp*2 Base stand	LED lamp UV lamp*2 Base stand
Optional Accessory	/	Electric height adjustable base stand		
Caster	/	Universal wheel with leveling feet		
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Gross Weight	50kg	116kg	131kg	174kg
Package Size (W*D*H)	840*560*1380mm	960*800*1800mm	1200*850*1360mm	1600*850*1360mm

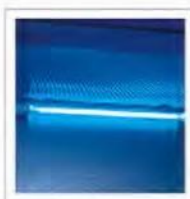


Vertical Laminar Flow Cabinet

---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

ADVANTAGE

1. With memory function in case of power-failure.
2. Double sides work bench, 2~4 operators can work together.

TECHNICAL PARAMETERS

Model	BBS-DSC	BBS-SSC
External Size (W*D*H)	1040*660*1770mm	1440*660*1770mm
Internal Size (W*D*H)	940*560*545mm	1340*560*545mm
Work Surface Height	750mm	
Display	LED Display	
Airflow Velocity	Average of 0.3~0.5m/s	
Material	Main Body: Cold-rolled steel with anti-bacteria powder coating Work Table: 304 stainless steel	
Pre-Filter	Polyester fiber, washable	
HEPA Filter	99.999% efficiency at 0.3µm	
Noise	<65dB	
Front Window	Manual, 5mm toughened glass, anti-UV	
Max Opening	310mm	
UV Lamp	18W*1	30W*1
	Emission of 253.7 nanometers	
LED Lamp	12W*1	16W*1
Consumption	350W	600W
Caster	Universal caster with leveling feet	
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
Standard Accessory	LED lamp, UV lamp*2, Base stand	
Optional Accessory	Electric height adjustable base stand	
Gross Weight	150kg	186kg
Package Size (W*D*H)	1190*890*1340mm	1590*890*1340mm



Compounding Hood



BBS-V500 & BYKG-VII



BBS-V600 & BYKG-VIII

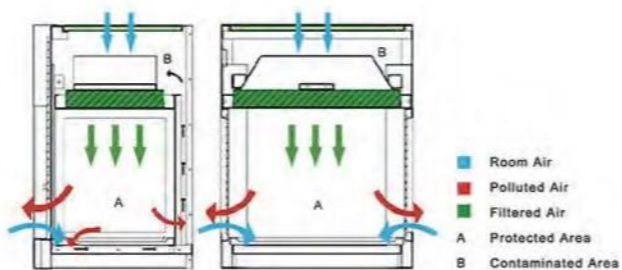


BBS-V700 & BYKG-IX
BYKG-X & BYKG-XII

There are two types:

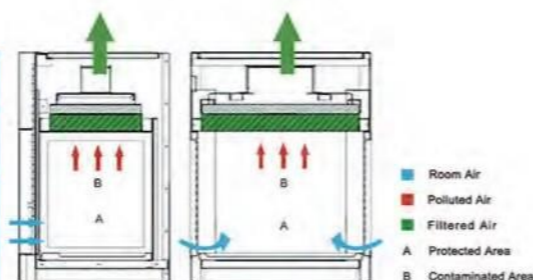
- Positive pressure in work area only protects sample.

BBS-V500	BBS-V600	BBS-V700
LED Display	LCD Display	LED Display
HEPA Filter	HEPA Filter	
Glass Front Window	Acrylic Front Window	



- Negative pressure in work area protects operator and environment.

BYKG-VII	BYKG-VIII	BYKG-IX	BYKG-X	BYKG-XII
LED Display	LCD Display	LED Display		
Active Carbon Filter, HEPA Filter	Active Carbon Filter		Active Carbon Filter, HEPA Filter	
Glass Front Window	Acrylic Front Window			



TECHNICAL PARAMETERS

Model	BBS-V500	BYKG-VII	BBS-V600	BYKG-VIII	BBS-V700	BYKG-IX	BYKG-X	BYKG-XII
External Size (W*D*H)	550*460*700mm		600*580*1060mm		700*620*1150mm		1000*620*1150mm	1200*620*1150mm
Internal Size (W*D*H)	480*340*370mm		580*520*610mm		640*550*700mm		940*550*700mm	1140*550*700mm
Display	LED Display		LCD Display		LED Display			
Airflow Velocity	0.3~0.5m/s	≥0.5m/s	0.3~0.5m/s	0.3~0.8m/s	0.3~0.5m/s	0.3~0.8m/s		
Material	Main Body: Cold-rolled steel with anti-bacteria powder coating				Work Table: Chemical resistant phenolic resin			
Pre-Filter	Polyester fiber, washable (for BBS-V500, BBS-V600 and BBS-V700)							
Filter	HEPA Filter	Active Carbon Filter, HEPA Filter	HEPA Filter	Active Carbon Filter	HEPA Filter	Active Carbon Filter	Active Carbon Filter, HEPA Filter	
Noise	≤60dB							
Front Window	Manual, 5mm toughened glass, anti UV		Manual, acrylic material					
Max Opening	310mm		590mm		660mm			
LED Lamp	4W*1				4W*2		12W*1	
UV Lamp	Emission of 253.7 nanometers							
Consumption	100W		150W		300W			
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz							
Standard Accessory	HEPA Filter, LED Lamp, UV Lamp*2.	Active Carbon Filter, HEPA Filter, LED Lamp, UV Lamp*2.	HEPA Filter, LED Lamp, UV Lamp*2, Waterproof Socket.	Active Carbon Filter, LED Lamp, UV Lamp*2.	HEPA Filter, LED lamp*2, 4 meters PVC exhaust duct, Pipe Strap.	Active Carbon Filter, HEPA Filter (for model BYKG-X, BYKG-XII) LED lamp*2, 4 meters PVC exhaust duct, Pipe Strap.		
Optional Accessory	Electric height adjustable base stand				Base Stand, UV Lamp*2			
Gross Weight	57kg		90kg		45kg		145kg	190kg
Package Size (W*D*H)	700*610*830mm		760*740*1280mm		840*760*1400mm		1140*740*1340mm	1340*740*1360mm



PCR Cabinet



PCR1000



PCR800/PCR1200/
PCR1300/PCR1500



LCD Display
LCD Display(not including PCR-1000, PCR-1000's display is LED)



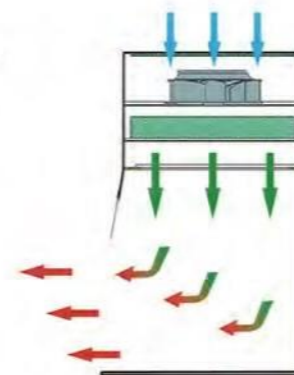
Waterproof Socket
2 waterproof sockets are located in the back wall, for optimum convenience of using small devices inside the cabinet.



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

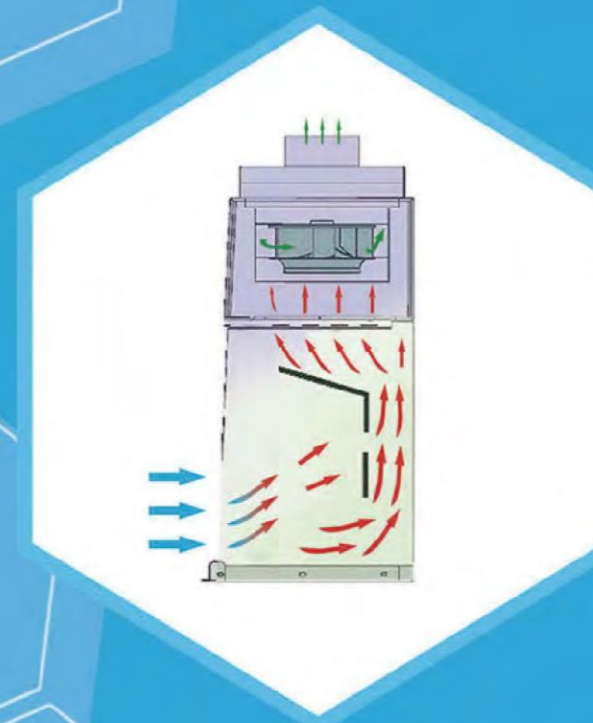
1. LCD display (LED display for PCR1000).
2. UV sterilization system.
3. HEPA filter efficiency 99.999% at 0.3µm.
4. With memory function in case of power-failure.
5. Interlock function: UV lamp only can be switched on when the front window is closed, ensuring operator safety.
6. UV timer (0-90 minutes): When the setting time expires, the UV lamp automatically switches off in preparation for the next experiment.

TECHNICAL PARAMETERS

Model	PCR800	PCR1000	PCR1200	PCR1300	PCR1500
External Size (W*D*H)	800*700*1770mm	1000*705*1770mm	1200*700*1770mm	1300*700*1770mm	1500*700*1770mm
Internal Size (W*D*H)	700*595*550mm	900*595*560mm	1100*595*550mm	1200*595*550mm	1400*595*550mm
Work Surface Height	750mm				
Material	Main Body: Cold-rolled steel with anti-bacteria powder coating				
	Work Table: 304 stainless steel				
Front & Side Windows	5mm toughened glass , anti-UV				
	Motorized	Manual	Motorized		
Max Opening	300mm	320mm	300mm	300mm	300mm
Pre-Filter	Polyester fiber, Washable				
HEPA Filter	99.999% efficiency at 0.3µm.				
Airflow Velocity	0.3-0.5m/s, speed adjustable				
Noise	≤65dB				
UV Lamp	20W*1	20W*2	30W*1	30W*1	40W*1
	Emission of 253.7 nanometers, with UV timer				
Illumination Lamp	LED 8W*2	40W*1	LED12W*2	LED12W*2	LED12W*2
Illumination	≥1000Lux				
Shelf with IV Bar	Stainless steel, 502*150*50mm (W*D*H)				
Caster	Universal caster with leveling feet				
Consumption	400W	300W	600W	600W	600W
Waterproof Socket	Two, total load≤500W				
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz				
Standard Accessory	UV lamp, Fluorescent lamp, Base stand, Waterproof socket*2, Shelf with IV bar				
Optional Accessory	Electric height adjustable base stand				
Gross Weight	130kg	150kg	170kg	180kg	200kg
Package Size (W*D*H)	950*930*1370mm	1150*930*1370mm	1350*930*1370mm	1450*930*1370mm	1650*930*1370mm

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.



Ducted Fume Hood



ADVANTAGE

1. Folding acrylic front window, down part with free stop function.
2. Microprocessor control system, LED display.
3. With memory function in case of power-failure.
4. Built-in centrifugal blower.
5. Interlock function: UV lamp and blower, LED lamp. (Only for choosing UV lamp).

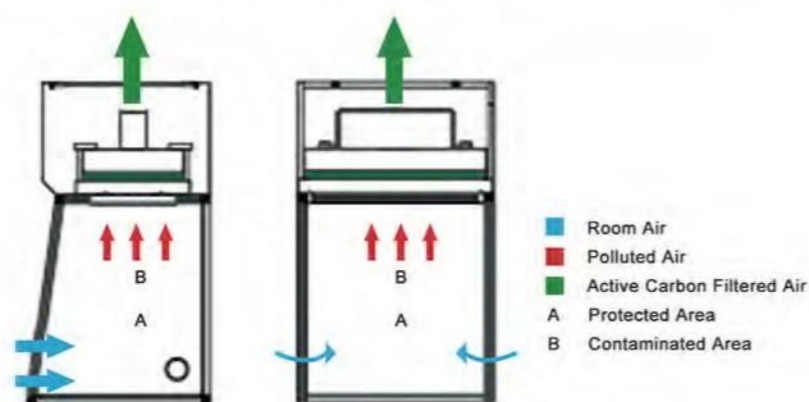
Note: Experiments with strong acids and alkali, flammable or explosive substances cannot be conducted with this type fume hood.

TECHNICAL PARAMETERS

Model	FH700	
External Size(W*D*H)	700*620*1150mm	
Internal Size(W*D*H)	640*550*700mm	
Max Opening	660mm	
Air Velocity	0.3~0.8m/s	
Noise	≤60dB(A)	
LED Lamp	4W*2	
Blower	Built-in centrifugal blower; Speed adjustable	
Front Window	Folding acrylic window, down part with free stop function	
Material	Main Body	1.0mm cold-rolled steel with bacteria power coating
	Work Table	Chemical resistant phenolic resin
	Back&Side Windows	5mm toughened glass
Consumption	200W	
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
Standard Accessory	LED lamp, Active carbon filter, Blower, 4 meters PVC exhaust duct, Pipe strap	
Optional Accessory	15W UV lamp, HEPA filter, Base stand	
Gross Weight without Base Stand	45kg	
Gross Weight with Base Stand	60kg	
Package Size without Base Stand (W*D*H)	840*760*1400mm	
Package Size with Base Stand (W*D*H)	840*960*1400mm	

Fume hood FH700: Negative pressure in work area protects operator and environment.

Air Flow Pattern:



LED Display
Digital LED display: Airflow Level



Folding acrylic front window, down part with free stop function



Three Side Glass Windows
Back&Side glass windows maximize light and visibility, providing a bright and open working environment



Base Stand
Optional



Ducted Fume Hood



ADVANTAGE

1. Adjustable air speed: 9 levels.
2. Microprocessor control system, LED display.
3. Resistant to moderate acid and alkali.
4. With memory function in case of power-failure.
5. Manual front glass window, height adjustable.
6. Built-in PP centrifugal blower; low noise, easy installation.

TECHNICAL PARAMETERS

Model	FH1000(E)	FH1200(E)	FH1500(E)	FH1800(E)	
External Size(W*D*H)	1000*800*2515mm	1200*800*2515mm	1500*800*2515mm	1800*800*2515mm	
Internal Size(W*D*H)	790*600*870mm	990 *600*870mm	1290*600*870mm	1590*600*870mm	
Work Surface Height	900mm				
Max Opening	750mm				
Air Velocity	0.3~0.8m/s				
System Exhaust Volume	570 m³/h	710 m³/h	930 m³/h	1140 m³/h	
Noise	≤68dB				
Exhaust Duct	PVC, Standard length: 4 meters φ300mm				
Pipe Strap	2 pcs				
LED Lamp	8W *1	12W *1	16W *1	16W *1	
Blower	Built-in PP centrifugal blower				
Front Window	Manual, 5mm toughened glass, height adjustable				
Power Supply	220V±10%, 60/50Hz; 110V±10%, 60Hz				
Consumption	400W	400W	500W	500W	
Material	Exterior	1.0mm cold-rolled steel with bacteria power coating.			
	Interior	High grade melamine board with good acid and alkali resistance function			
	Work table	Chemical resistant phenolic resin			
Standard Accessory	Water tap, Water sink, LED lamp, Total load of 2 waterproof sockets: 500W ,				
	Built-in PP blower, 4 meters PVC exhaust duct, pipe strap*2				
Optional Accessory	Gas tap				
Weight(Net/Gross)	250kg/270kg	275kg/300kg	300kg/330kg	330kg/365kg	
Package	Main Body	1140*940*1850mm	1340*940*1850mm	1640*940*1850mm	1940*940*1850mm
	Base Cabinet	1140*940*1050mm	1340*940*1050mm	1640*940*1050mm	1940*940*1050mm



LED Display
Digital LED display:
Airflow Level



Waterproof Socket



Universal Wheel



Water Remote Control



Water Tap



Water Tap & Water Sink



Ducted Fume Hood



LED Display



Waterproof Socket



Water&Gas Remote Control



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

ADVANTAGE

1. UV lamp for sterilization.
2. resistant to weak acid and alkali.
3. Adjustable air speed: 9 levels.
4. Motorized front window, height adjustable.
5. Microprocessor control system, LED display.
6. With memory function in case of power-failure.

TECHNICAL PARAMETERS

Model	FH1000(A)	FH1200(A)	FH1500(A)	FH1800(A)
External Size (W*D*H)	1040*800*2200mm	1240*800*2200mm	1540*800*2200mm	1840*800*2200mm
Internal Size (W*D*H)	820*670*730mm	1020*670*730mm	1320*670*730mm	1620*670*730mm
Work Surface Height	850mm			
Max Opening	520mm			
Air Velocity	0.3~0.8m/s			
Noise	≤68dB			
Exhaust Duct	PVC, Standard length: 4 meters. Φ300mm			
LED Lamp	8W*1	12W*1	16W*1	16W*1
UV Lamp	Emission of 253.7 nanometers for most efficient decontamination			
Blower	Built-in centrifugal blower; Speed adjustable			
Front Window	5mm toughened glass; Motorized; Height adjustable			
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Consumption	400W	400W	500W	500W
Material	Exterior	Cold-rolled steel with anti-bacteria powder coating.		
	Interior	High grade melamine board with good acid and alkali resistance function		
	Work Table	Chemical resistant phenolic resin		
Standard Accessories	UV lamp*2, LED lamp, Water tap, Gas tap, Water sink, Base cabinet			
	Total load of 2 waterproof sockets: 500W 4 meter PVC exhaust duct, pipe strap*2			
Optional Accessory	Active carbon filter			
Gross Weight	286kg	317kg	350kg	400kg
Package	Main Body	1190*990*1690 mm	1390*990*1690 mm	1690*990*1690mm
	Base Cabinet	1190*990*980mm	1390*990*980mm	1690*970*970mm



Ducted PP Fume Hood



LED Display



Waterproof Socket



PP Sink
resistant to acid,
alkali and anti-corrosion



Water&Gas
Remote Control

ADVANTAGE

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

TECHNICAL PARAMETERS

Model	FH1000(P)	FH1200(P)	FH1500(P)	FH1800(P)	
External Size (W*D*H)	1040*750*2200mm	1240*800*2200mm	1540*800*2200mm	1840*800*2200 mm	
Internal Size (W*D*H)	780*520*700mm	980*570*700mm	1280*570*700mm	1580*570*700 mm	
Work Surface Height	850mm				
Max Opening	740mm				
Air Velocity	0.3~0.8m/s				
Noise	≤68dB				
Illuminating Lamp	LED lamp				
	12W*1	30W*1	30W*2	36W*2	
Blower	Built-in PP centrifugal blower (2 blowers for FH1800(P) only); Speed adjustable				
Front Window	Resistant to acid and alkali, Manual, 5mm toughened glass, height adjustable				
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz				
Consumption	330W	360W	360W	360W	
Material	Main Body	Made of Porcelain white PP, thickness 8mm, resistant to strong acid, alkali and anti-corrosion			
	Work Table	Chemical resistant phenolic resin			
Standard Accessory	Illuminating lamp, Water tap, Gas tap, Water Sink, Base cabinet Waterproof socket*2, 4 meters PVC duct (2 Pcs of 4 meters PVC duct for FH1800(P) only), Diameter: 250mm, PP centrifugal blower pipe strap*2 (4 Pcs for FH1800(P) only)				
Optional Accessory	PP work table, epoxy resin board or ceramic board Outer PVC centrifugal blower (only need to select when the duct more than 4m)				
Gross Weight	160kg	198kg	225kg	259kg	
Package Size (W*D*H)	Main Body	1190*890*1620mm	1390*940*1620mm	1690*940*1620mm	1990*940*1620mm
	Base Cabinet	1190*890*1040mm	1390*940*1040mm	1690*940*1040mm	1990*940*1040mm

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

TECHNICAL PARAMETERS

Model	FH1000(X)	FH1200(X)	FH1500(X)	FH1800(X)
External Size (W*D*H)	1000*840*2150mm	1200*840*2150mm	1500*840*2150mm	1800*840*2150mm
Internal Size (W*D*H)	880*730*745mm	1080*730*745mm	1380*730*745mm	1680*730*745mm
Max Opening	520mm			
Work Surface Height	750mm			
Blower	Built-in centrifugal blower; Speed adjustable with 9 levels			
Air Velocity	0.3~0.8m/s			
Noise	≤68dB			
LED Lamp	8W*1	12W*1	16W*1	16W*1
UV Lamp	Emission of 253.7 nanometers for most efficient decontamination			
Front Window	Motorized; 5 mm toughened glass, anti-UV			
Material	Exterior Body: Cold-rolled steel with anti-bacteria powder coating. Work table: Chemical resistant phenolic resin			
Waterproof Socket	1 pc	2 pcs	2 pcs	2 pcs
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Consumption	400W	400W	500W	500W
Standard Accessories	Water tap, Gas tap, Water sink, Base stand, UV lamp*2, LED lamp, Socket, 4 meters exhaust duct, Active carbon filter, Foot switch			
Gross Weight	230kg	253kg	290kg	340kg
Package Size(W*D*H)	1150*1120*1680mm	1350*1120*1680mm	1650*1120*1680mm	1950*1120*1680mm

Ductless Fume Hood



ADVANTAGE

1. LCD Touch screen control panel, easy to operate.
2. With memory function in case of power-failure
3. 8°slope front ergonomics design, fatigue-free working posture.
4. Temperature and humidity sensors, can detect indoor temperature and humidity.
5. Three side transparent Acrylic windows, front window reversal design, easy to operate.
6. Double-layers structure: 1mm sheet metal surface; Chemical resistant phenolic resin work table.
7. Electronic control system, anti-overload, anti-electric shock, stable performance, long service life.
8. Inside and outside probe, detect indoor air pollution and filter conditions. Audible and visual alarm for changing filter.

TECHNICAL PARAMETERS

Model	FH1000(C)	FH1200(C)	FH1500(C)	FH1800(C)
External Size (W*D*H)	1000*880*2140mm	1200*880*2140mm	1500*940*2140mm	1800*940*2140mm
Internal Size (W*D*H)	910*690*740mm	1110*690*740mm	1410*690*740mm	1710*690*740mm
Work Surface Height	900mm			
Max. Opening	650mm			
Air Velocity	0.25~0.35m/s			
Airflow Volume	105m³/h		325m³/h	415m³/h
Noise	≤55dB(A)			
Fluorescent Lamp	16W*2		16W*3	
UV Lamp	Emission of 253.7 nanometers for most efficient decontamination			
Blower	Built-in centrifugal blower, speed adjustable			
Front Window	Acrylic window; Manual; reversal design			
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Consumption	400W		500W	
Material	Exterior	Cold-rolled steel with anti-bacteria powder coating		
	Side Window	Acrylic Window		
	Work Table	Chemical resistant phenolic resin		
Chemical Filter	2 pcs		4 pcs	
Standard Accessory	Fluorescent Lamp, Base cabinet Total load of 2 waterproof sockets: 500W			
Optional Accessory	Water tap, Gas tap, Water sink, UV Lamp, Electric height adjustable base stand, HEPA Filter			
Gross Weight	290kg	310kg	380kg	410kg
Package Size (W*D*H)	1140*1040*2350mm	1350*1040*2350mm	1650*1110*2350mm	1950*1110*2350mm



LCD Display
LCD Touch Screen
Control Panel



**Waterproof
Socket**



**Water & Gas tap
reserve mouth**



Front Window
Front window reversal
design



**Explosion-proof
Fluorescent Lamp**



Walk-in Fume Hood



Water Sink



Water & Gas Remote Control Valve



Water & Gas Tap



Application



Application

ADVANTAGE

1. With memory function in case of power-failure.
2. Operators are available to walk into the fume hood to operate if need.
3. Large room exhaust system, suitable for large laboratory instruments and equipment.

TECHNICAL PARAMETERS

Model	FH1200(W)	FH1500(W)	FH1800(W)	
External Size (W*D*H)	1200*800*2200mm	1500*800*2200mm	1800*800*2200mm	
Internal Size (W*D*H)	980*600*1650mm	1280*600*1650mm	1580*600*1650mm	
Max Opening	1300mm			
Exhaust Airflow Volume	1150m ³ /h	1500m ³ /h	1850m ³ /h	
Inflow Air Velocity	0.3~0.8m/s			
Noise	62dB			
Vibration	XYZ direct ≤ 4μm			
Illumination	≥800Lux			
LED Lamp	12W*2	16W*2	16W*2	
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Consumption	400W	600W	800W	
Front Window	Manual, Toughened glass			
Material	Exterior	1.0mm cold-rolled steel with bacteria powder coating.		
	Interior	High grade melamine board with good acid and alkali resistance function		
Standard Accessory	Blower(External), LED lamp, Water tap, Gas tap, PP cup sink, Remote control water valve, Remote control gas valve, Waterproof sockets*4, 4 meters PVC exhaust duct			
Sockets	Total load of 4 waterproof sockets: ≤500W			
Package Size (W*D*H)	Main Body	1400*1050*2430mm	1710*1050*2430mm	2010*1050*2430mm
	Exhaust Blower	970*810*720mm	970*810*720mm	970*810*720mm

Mobile Fume Extractor



INTRODUCTION

The mobile fume extractor is an air purification equipment which can provide the partial high pure environment. The airflow is vertical laminar flow type. It is widely used in medical research laboratories, precision instrument, bio-pharmacy, micro-organism studies and etc.

FEATURES

1. Freely moving, easy to operate and install.
2. The purification system consists of fan, primary efficient filter, high efficient filter and activated carbon filter.
3. HEPA filter ensures the filtering efficiency to 99.999% efficiency at 0.3µm.

TECHNICAL PARAMETERS

Model	MFE-I
External Size(W*D*H)	500*500*980mm
Air Velocity	0.3~0.6m/s
Filter Efficiency	99.999% efficiency at 0.3µm
Noise	≤75dB(A)
Suction Inlet Diameter	375mm
Rated Power	180W
Power Supply	AC110/220V±10%, 50/60Hz
Gross Weight	15kg (Extracting arm) 61kg (Purification system)
Package Size(W*D*H)	810*510*600mm (Extracting arm) 630*630*1175mm (Purification system)

FFU (Fan Filter Unit)



FEATURES

1. FFU shell and HEPA filter adopt split design, easy to install and replace.
2. Microprocessor control system, energy-saving and low noise.
3. Long service-life blower, up to 100,000 hours, maintenance-free and small vibration.
4. Suitable for using separately or connecting together for assembly line.
5. Made of aluminium coated zinc plate, anti-corrosion, rust-proof and light weight.

TECHNICAL PARAMETERS

Model	FFU 1000	FFU 1200	FFU 1500	FFU 1800
External Size(W*D*H)	975*575*380mm	1175*575*380 mm	1475*575*380 mm	1775*575*380 mm
Air Velocity	0.45 m/s±20%			
HEPA Filter	99.999% efficiency at 0.3µm			
HEPA Filter Size(W*D*H)	970*69*570mm	1170*69*570mm	1470*69*570mm	1770*69*570mm
Blower	Built-in centrifugal blower			
Noise	≤60dB			
Consumption	110W		220W	
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 50/60Hz			
Shell Material	Aluminium coated zinc plate			
Gross Weight	60kg	70 kg	90kg	110kg
Package Size(W*D*H)	1135*540*800mm	1335*540*800mm	1635*540*800mm	1935*540*800mm



Clean Booth (Down Flow Booth)



Customization Available



Reference Picture



Design Drawing



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



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



Soft Wall Material
PVC anti-static dustproof curtain.

INTRODUCTION

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

FEATURES

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

TECHNICAL PARAMETERS

Model	BKCB-1500	BKCB-2000	BKCB-3000	BKCB-5000
External Size (W*D*H)	1500*2000*2530mm	2000*3000*2530mm	3000*4000*2530mm	5000*5000*2530mm
HEPA Filter	99.999% efficiency at 0.3µm			
Consumption	800W	1500W	2800W	5000W
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	Aluminium alloy			
Wall Material	Anti-static dustproof curtain			
Blower	Built-in centrifugal blower; speed adjustable			
UV Lamp	40W*2	40W*2	40W*3	40W*5
	Emission of 253.7nanometers, with UV timer			
Illuminating Lamp	16W*1	16W*2	16W*3	16W*5
	LED Lamp, Illumination: ≥500lux			
Air Velocity	0.1~0.6m/s, average 0.45m/s			
Noise	≤75db			
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Gross Weight	390kg	670kg	1100kg	2900kg
Package Size(W*D*H)	2110*930*920mm	3080*980*1280mm	3080*980*1280mm	4080*980*1280mm
	2280*660*500mm	3080*660*550mm	3080*980*1280mm	4080*980*1280mm
			4080*660*550mm	1260*660*1280mm
				5080*460*500mm

Customized design for clean level, size or material is available



Dispensing Booth (Sampling or Weighing Booth)



Customization Available



Reference Picture



Reference Picture



Air Flow Pattern



Differential Pressure Gauge

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



LCD Display

Microprocessor control system



Soft Wall Material

PVC anti-static dustproof curtain.

INTRODUCTION

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

Dispensing booth is also called sampling booth or weighing booth.

FEATURES

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

TECHNICAL PARAMETERS

Model	BKDB-1200	BKDB-1800	BKDB-2400
Clean Level	ISO 5 (Class 100), Class A		
HEPA Filters	99.999% efficiency at 0.3µm		
Air volume	Supply air volume: ≤7500m³/h, Exhaust air volume: ≤2250m³/h; Adjustable		
Material	Fully stainless steel		
Air Velocity	0.3~0.6m/s, adjustable		
Pressure Gauge	3 pcs		
Noise	≤75dB		
UV Lamp	30W*1	40W*1	30W*2
	Emission of 253.7 nanometers, with UV timer		
Illuminating Lamp	14W*4	16W*4	16W*4 & 14W*2
	LED Lamp, Illumination: ≥500lux		
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz		
Consumption	600W	1000W	1700W
Sockets	2 pcs		
Work Area Size(W*D*H)	1200*1200*2000mm	1800*1800*2000mm	2400*1800*2000mm
External Size(W*D*H)	1300*1700*2400mm	1900*2300*2400mm	2500*2400*2400mm
Gross Weight	420kg	750kg	840kg
Package Size(W*D*H)	1440*2540*1980mm	2020*760*2420mm	2640*960*2380mm
		2020*660*495mm	2640*780*680mm
		1950*530*2160mm	2640*560*2250mm
Customized design for clean level, size or material is available			



Pathology Workstation



Configuration

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.



Auto Flushing Design

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



Water Tap & Sink

Stainless steel;
Whole-structure.



Flex Magnifier Light(Optional)



Pulverizer (Optional)

Completely smash the waste
during test, to avoid blocking
drainage pipes.

APPLICATION

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

ADVANTAGE

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

TECHNICAL PARAMETERS

Model	QCT-1000	QCT-1500	QCT-1800
External Size(W*D*H)	1000*750*1950mm	1500*750*1950mm	1800*750*1950mm
Working Area Size(W*D*H)	895*430*900mm	1395*430*900mm	1695*430*900mm
Work Surface Height	900mm		
Consumption	250W	300W	300W
Optional Water Heater	1500W		
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz		
Exhaust Airflow Volume	500~600m³/h		
Material	Main Body	304 stainless steel	
	Work Table	304 stainless steel	
Standard Accessories	Spotlight; UV lamp; Fluorescent lamp; Exhaust system; 4m exhaust duct; Pipe strap		
	Auto flushing device; Stainless steel hanger; Adjustable hot and cold water tap; 180mm deep stainless steel water sink, funnel with filter. Active carbon filter		
Optional Accessories	Pulverizer, Electrical water heater, Automatic induction hand dryer, Eye washer, Camera, Flex magnifier light, laptop bracket		
Package Size(W*D*H)	1160*890*2170mm	1660*890*2170mm	1960*890*2170mm
Gross Weight	250kg	300kg	340kg

Chicken Isolator



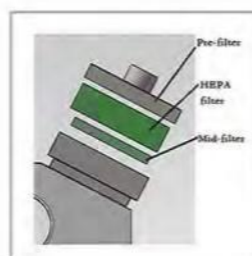
LED Display
Temperature and humidity, with fan, UV lamp, fluorescent lamp, heating lamp control buttons.



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



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



Filters Pattern

INTRODUCTION

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

ADVANTAGE

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

TECHNICAL PARAMETERS

Model	BCI-I
External Size (W*D*H)	2200*850*1800mm
Animal Activity Area(W*D*H)	1600*750*820mm
Waste Collection Area(W*D*H)	1600*750*250mm
Display	LED display: temperature, humidity, temperature adjustable(10-50°C), with fan, fluorescent lamp, UV lamp keys
Air Change Rate	≥20 times/h
Airflow Velocity	0.1m/s~0.2m/s within the chicken living space
Falling Bacteria (numbers/utensil/hour)	0
Filter	Pre-filter, Mid-filter, HEPA (H14) filter
Noise	≤70dB
Alarm	High and low temperature alarm
Caster	Universal caster with brake and leveling feet
Rated Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz
Rated Consumption	700W
Gross Weight	180kg
Package Size (W*D*H)	2430*1010*2070mm
Standard Accessories	Pre-filter*2, HEPA filter*2, filter cotton, UV lamp, heating lamp*2, fluorescent lamp, high quality butyl gloves*6 (pairs), feeding and drinking system



Air Purifier



QRJ-128



KJH-350



LED Display



Remote Control

FEATURES

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

ADVANTAGE

1. Low noise.
2. Remote control.
3. Adjustable air velocity.
4. Thorough sterilizing with UV Lamp.
5. QRJ-128: LCD display; KJH-350: LED display with touch button.
6. QRJ-128: Mobile Type, Wall Hanging Type, Suction Ceiling Type.
7. KJH-350: Eliminate formaldehyde efficiency:96.2%; Eliminate PM2.5 efficiency:99.9%

TECHNICAL PARAMETERS

Model	QRJ-128	KJH-350
External Size(W*D*H)	900×120×1500 mm	403*245*603mm
Filter	HEPA filter	1st layer: Pre-Filter, 2nd layer: HEPA Filter 3rd layer: Active Filter
Optimal Space	≤15m ²	40~65m ²
Noise	≤58dB	<65dB
Consumption	240W	65W
Adjustable Air Speed	3 levels	4 levels
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
Cleanness at Outlet	Class 100	
Gross Weight	58kg	13.5kg
Package Size(W*D*H)	1090*455*1600mm	478*318*690mm



Air Shower



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

Features

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

Model	AS-1P1S	AS-1P2S	AS-2P2S
External Size(W*D*H)mm	1300*1000*2050	1500*1000*2050	1500*2000*2050
Shower Area Size(W*D*H)mm	800*890*1930	800*890*1930	800*1890*1930
HEPA Filter	99.999% efficiency at 0.3µm		
Spraying Wind Speed	25m/s		
Air Shower Time	0~99s(adjustable)		
No.of SS Nozzles	6	12	24
Fluorescent Lamp	12W*1	12W*1	12W*2
Consumption	1000W	1500W	2000W
Cabinet Material (Optional)	1. Full cold-rolled steel with powder coating. 2. Internal stainless steel,external with cold-rolled steel. 3. Full stainless steel.		
Door Material (Optional)	1.Cold-rolled steel with powder coating. 2. Stainless steel.		
Chassis	Stainless steel		
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz		
Gross Weight	300kg	400kg	700kg
Package Size(W*D*H)mm	1400*1150*2200	1600*1150*2200	1600*1650*2200

Pass Box



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

Type	Pass Box			Air Shower Pass Box		
Model	PB-01	PB-02	PB-03	ASPB-01	ASPB-02	ASPB-03
External Size(W*D*H)mm	660*570*580	760*670*680	860*770*780	660*570*1000	760*670*1100	860*770*1200
Internal Size(W*D*H)mm	500*500*500	600*600*600	700*700*700	500*500*500	600*600*600	700*700*700
Material	304 Stainless steel					
Interlock	Electronical					
UV Lamp	8W*1	15W*1		8W*1	15W*1	
HEPA Filter	/	/	/	Efficiency≥ 99.999% at 0.3µm		
Clean air speed	/	/	/	0.36~0.54m/s		
Gross Weight (kg)	55	70	90	80	100	125
Package Size(W*D*H)mm	780*690*770	880*790*870	980*890*970	780*690*1190	880*790*1290	980*890*1390