HERAIS AIR PROTECTION SOLUTIONS

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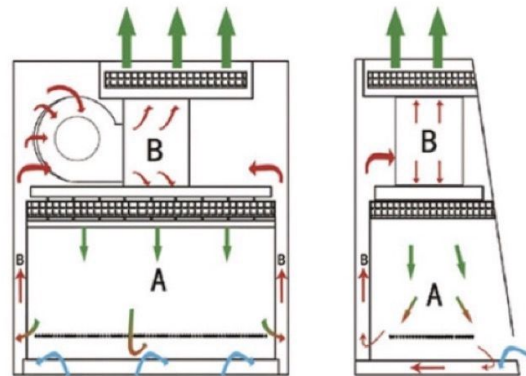Email: higtc@windowslive.com
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CONTENTS

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.

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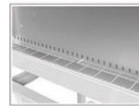- A Protected Area
- B Un-Protected Area

Herais
Lab Solutions

EN Certified Biological Safety Cabinet

Color Touch Screen
Touch operation, real-time and clearer display of various values and appointment timing function.

SS Water tap &Gas tap

Wind Speed Sensor

Stepper Motor

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

Anti-paper dust structure

Footmaster Caster
Universal caster with brake and leveling feet.

European Standard Socket

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

ADVANTAGE

1. 7-inch large touch color display: touch operation, real-time and clearer display of various values of the safety cabinet, dynamic air flow pattern diagram, fault alarm sound and light prompt.
2. The power-on password can be set to prevent mis-operation by irrelevant personnel.
3. Automatically adjust the wind speed.
4. Power-off memory, restore the state before power-off, and have a visual reminder to alarm.
5. Side windows on both sides for easy observation.
6. The operation area is integrally formed, which is easy to disassemble and clean.
7. A breeze speed sensor is equipped at the working area and the outer exhaust air outlet to detect the wind speed in real time.
8. It can be used both manually and electrically, and the glass door can be pulled down to close the front window when the power is off.
9. The cabinet is separated from the base. The height of the adjustable base can be customized.
10. Interlocking function: UV lamp and front window; UV lamp and fan, LED lamp; fan and front window.
11. It has an appointment timing function, which can automatically set the timing of turning on, turning off and the running time of the UV lamp, fan, and socket.
12. The closing of the front window can double trigger the signal, so that the sterilization and disinfection function of the UV lamp can be turned on normally.
13. The cabinet is designed with a 10° inclination angle, which conforms to the principle of ergonomics, has a larger viewing angle, is easy to operate and is more user-friendly.
14. Anti-paper dust structure at the air inlet to prevent paper dust from entering the air cavity.
15. Split countertop is easier to clean.
16. One button front window lifting function.

TECHNICAL PARAMETERS

Model		BSC-3FA2-HA	BSC-4FA2-HA
External Size(W*D*H)		1087*800*2260mm	1383*800*2260mm
Internal Size(W*D*H)		980*600*650mm	1280*600*650mm
Work Surface Height		750mm	
Max Opening		500mm	
Tested Opening		200mm	
Airflow Volume	Inflow	370m³/h(218cfm)	490m³/h(289cfm)
	Down flow	65%: 690 m³/h(406cfm)	65%: 910 m³/h(536cfm)
	Exhaust	35%: 370m³/h(218cfm)	35%: 490m³/h(289cfm)
Front Window		Manual and electric, glass thickness> 5mm, anti-ultraviolet	
ULPA Filter		2pcs, filtration efficiency for 0.12μm particles≥99.9995%	
Illumination		≥1000Lux	
Noise		EN12469≤65dB	
Display		Color Touch Screen	
European Standard Socket		230V, 3A	
Power Supply		AC 230V, 50/60Hz	
Rated Power		1100W	1200W
Alarm		Alarm for abnormal wind speed, alarm for glass door not at safe height, alarm for abnormal power failure	
Motor		AC single fan, Adjustable speed, high efficiency, low power	
Material		Working Area: 304 stainless steel, side window glass; Frame and decorative plate: cold-rolled steel with anti-bacteria powder coating	
LED Lamp		12W*2	14W*2
UV Lamp		20W	30W
Standard Accessory		Cabinet*1, Base stand*1, LED lamp*2, UV lamp*2, S.S. water tap*1, S.S. gas tap*1, Drain ball valve*1, European Standard Socket*2, Remote control	
Optional Accessory		Arm rest, Formalin fumigation sterilizer, Infrared sterilizer, Electric height adjustable base stand, S.S. water tap*1, S.S. gas tap*1, Foot switch	
Package Size (W*D*H)		1240*1060*1880mm	1530*1060*1880mm
Gross Weight		270kg	345kg

NSF Certified Class II A2 Biological Safety Cabinet
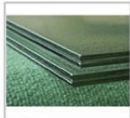
Display for NA series

Display for GL series

Color Touch Screen
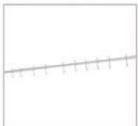Touch operation, real-time and clearer display of various values and appointment timing function.

Exhaust Thimble canopy (Optional)

Front Window
Two-layer laminated toughened glass >6mm, Anti UV

Footmaster Caster
Universal caster with brake and leveling feet.

Stainless Steel I.V. Bar with 10 hooks

SS Water Tap & Gas Tap

Waterproof Socket

Wind Speed Sensor

Work Zone
Unibody design

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

ADVANTAGE

1. Motorized front window.
2. 7-inch large touch color display: touch operation, real-time and clearer display of various values of the safety cabinet, dynamic air flow pattern diagram, fault alarm sound and light prompt.
3. The power-on password can be set to prevent mis-operation by irrelevant personnel.
4. EC Fan, automatically adjust the wind speed.
5. With power-off memory function, the state before power-off will be restored after power-on and there will be visual prompts and alarms.
6. The integrated design of the operation area makes it easy to disassemble and clean.
7. The cabinet is separated from the base. The height of the adjustable base can be customized.
8. Interlocking function: UV lamp and front window; UV lamp and fan; fan and front window.
9. It has the function of appointment timing, which can automatically set the time of starting and shutting down the safety cabinet and the running time of ultraviolet lamps, fan and sockets.
10. The front window closes the trigger signal, so that the sterilization and disinfection function of the ultraviolet lamp is normally turned on.
11. The one-piece hand resting surface has a larger contact area with the arm and is more comfortable.air speed adjustable with filter block.
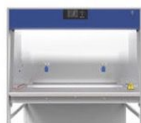
TECHNICAL PARAMETERS

Model	BSC-4FA2	BSC-3FA2-GL BSC-3FA2-NA	BSC-4FA2-GL BSC-4FA2-NA	BSC-6FA2-GL BSC-6FA2-NA
External Size(W*D*H)	1383*775*2220mm	1087*775*2220mm	1383*775*2220mm	1873*775*2240mm
Internal Size(W*D*H)	1210*600*660 mm	910*600*660 mm	1210*600*660mm	1700*600*660 mm
Work Surface Height	762mm	762mm	762mm	782mm
Max Opening	470mm			
Tested Opening	Safety height 200mm (8'')	Safety height 254mm (10'')		
Airflow Volume — Inflow	462m³/h (272cfm)	445m³/h(259cfm)	587m³/h(346cfm)	824m³/h (485cfm)
Airflow Volume — Downflow	65%: 863m³/h (507cfm)	60%: 649m³/h(382cfm)	60%: 863m³/h(507cfm)	60%: 1212m³/h(713cfm)
Airflow Volume — Exhaust	35%: 462m³/h (272cfm)	40%:445m³/h(259cfm)	40%: 587m³/h(346cfm)	40%: 824m³/h(485cfm)
Front Window	Motorized. Two-layer laminated toughened glass ≥6mm. Anti UV.			
ULPA Filter	Two, 99.9995% efficiency at 0.12μm, filter life indicator.			
Filter Guard Type	Aluminum alloy frame, glass fiber filter paper			
Noise	NSF 49≤67dB			
Illumination	≥1000Lux			
Display	Color Touch Screen			
Waterproof Socket	Two, Total consumption: ≤500W			
Tap	Water tap*1, Gas tap *1			
Ground Resistance	≤ 0.10Ω			
Power Supply	AC230V, 50/60Hz; AC115V, 60Hz, Full load Amps: 9A, BTU/Hr: 1689			
Consumption	500W	400W	500W	700W
Alarm	Abnormal airflow velocity; Filter replacement; Front window at unsafe height; High filter pressure alarm			
DC Motor	One ECM motor, 115V& 230V acceptable, Speed adjustable, high efficiency and low power consumption			
Material	Working area: 304stainless steel			
	Frame and Decorative Plate: cold-rolled steel with anti-bacteria power coating			
UV Lamp	30W	20W	30W	40W
	Germicidal UV lamp, Emission of 253.7 nanometers for most efficient decontamination			
Illuminating Lamp	20W*2	10W*2	20W*2	23W*2
	LED lamp			
Standard Accessory	LED lamp*2, UV lamp*2, Base stand, SS water tap*1, SS gas tap*1, Drain valve, Waterproof sockets*2, Stainless Steel IV Bar with 10 hooks,Remote control			
Optional Accessory	Armrest, Airflow tester, Formalin fumigation sterilizer,Infrared sterilizer, Electric height adjustable base stand			
Package Size (W*D*H)	1540*1080*1900mm	1240*1060*1900mm	1540*1080*1900mm	2020*1080*1900mm
Gross Weight	330kg	280kg	330kg	410kg

AC Series Class II A2 Biological Safety Cabinet

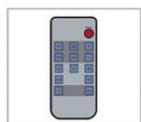**Herais** Lab Solutions

Color Screen
Real-time and clearer display of various values and appointment timing function.

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.

Footmaster Caster
Universal caster with brake and leveling feet.

Iron hook support rod for panel support

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

Front Window
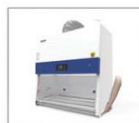Motorized, Two-layer laminated toughened glass ≥6mm, Anti UV.

Cabinet Support Block
Easy to lift, prevent hand pressing

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

ADVANTAGE

1. Color key display: large screen, more clear and dynamic display of various values of the safety cabinet, and has the function of appointment timing.
2. Automatically adjust the wind speed.
3. With power-off memory function, the state before power-off will be restored after power-on, and there will be visual prompts and alarms.
4. The integrated design of the operation area makes it easy to disassemble and clean.
5. The cabinet is separated from the base. The height of the adjustable base can be customized.
6. Interlocking function: UV lamp and front window; UV lamp and fan, LED lamp; fan and front window.
7. It has the function of appointment timing, which can automatically set the time of starting and shutting down the safety cabinet and the running time of ultraviolet lamps, fans and sockets.
8. The front window closes the double trigger signal, so that the sterilization and disinfection function of the ultraviolet lamp is normally turned on.
9. The negative pressure air duct is equipped with a foreign matter filtering structure to prevent foreign matter such as paper scraps from entering the fan system and affecting the normal operation of the product.
10. The front window glass has a one-key lift function
11. The cabinet is designed with a 10° inclination angle, which is in line with ergonomic principles, with a larger viewing angle, convenient operation and more humanization.
12. The one-piece hand rest has a large flat surface, which has a larger contact area with the arm and is more comfortable.

TECHNICAL PARAMETERS

Model	BSC-1100 II A2-X	BSC-1300 II A2-X	BSC-1500 II A2-X	BSC-1800 II A2-X	BSC-2000 II A2-X
External Size (W*D*H)	1100*755*2200mm	1300*755*2200mm	1500*755*2200mm	1800*755*2200mm	1950*775*2200mm
Internal Size (W*D*H)	940*600*660mm	1150*600*660mm	1350*600*660mm	1625*600*660mm	1800*600*660mm
Tested Opening	Safety height 200mm (8")				
Max Opening	480mm				
Inflow Velocity	0.53±0.025m/s				
Downflow Velocity	0.33±0.025m/s				
ULPA Filter	Two, 99.9995% efficiency at 0.12μm, filter life indicator				
Front Window	Motorized. Two-layer laminated toughened glass≥6mm. Anti UV				
Noise	≤65dB				
UV Lamp	30W*1	30W*1	40W*1	40W*1	40W*1
	UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination				
LED Lamp	12W*2	14W*2	16W*2	16W*2	12W*4
Illumination	≥1000Lux				
Consumption	600W	800W	1300W	1300W	1700W
Waterproof 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	Abnormal airflow velocity, filter replacement, front window at unsafe height, high filter pressure alarm, abnormal power failure				
Material	Work Zone: 304 stainless steel				
	Main Body: Cold-rolled steel with anti-bacteria powder coating				
Work Surface Height	770mm (Can be customized)			800mm (Can be customized)	
Caster	Footmaster caster				
Power Supply	AC220V 50 / 60Hz; 110V 60Hz				
Standard Accessory	LED lamp 2pcs(except for BSC-2000 II A2-X 4pcs), UV lamp 2pcs, Base stand, Remote control, Foot switch, Drain valve, Waterproof socket 2pcs				
Optional Accessory	Water and gas tap, Electric height adjustable base stand, Armrest				
Gross Weight	220kg	280kg	316kg	366kg	420kg
Package Size (W*D*H)	1230*990*1840mm	1430*990*1840mm	1630*990*1840mm	1930*990*1840mm	2080*990*1840mm

CE ISO 9001 ISO 13485

Pro Series Class II A2 Biological Safety Cabinet

LCD Display
7 Inch touch screen display is easy to monitor all the safety parameters at a glance and ergonomically sized control panel improves user interface.

Worktop Holder

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

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

Front Window
Two-layer laminated toughened glass>6mm, Anti UV

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

Horktop Holder Usage Diagram

Air-Vent

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. The operation perspective is wide and more humanized.
2. Time reserve function.
3. ULPA filter life and UV life indicator.
4. Motorized front window.
5. With memory function in case of power-failure.
6. Audio and visual alarm (Abnormal airflow velocity; Filter replacement; Front window at unsafe height; High filter pressure alarm).
7. Self-locking button switch to solve the trouble of losing the key.
8. 7 inch Large touch screen with Intelligent control system: 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.
9. Remote control: all functions can be realized with it, making the operation much easier and more convenient.
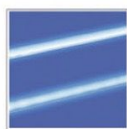10. Interlock function: UV lamp and front window; UV lamp and blower, LED lamp; blower and front window.
11. Foot switch: adjust front window height by foot during experiment, to avoid airflow turbulence caused by arm movement.

TECHNICAL PARAMETERS

Model	BSC-1100IIA2-Pro	BSC-1300IIA2-Pro	BSC-1500IIA2-Pro	BSC-1800IIA2-Pro
External Size(W*D*H)	1100*750*2210mm	1385*750*2310mm	1500*760*2160mm	1875*780*2310mm
Internal Size(W*D*H)	940*600*655mm	1210*600*660mm	1400*600*660mm	1700*600*660mm
Tested Opening	Safety Height 200mm(8″)			
Max Opening	420mm(17″)	500mm (20″)	460mm(18″)	520mm(21″)
Inflow Velocity	0.53±0.025 m/s			
Downflow Velocity	0.33±0.025 m/s			
ULPA Filter	Two, 99.9995% efficiency at 0.12µm. Filter life indicator.			
Front Window	Motorized. Two-layer laminated toughened glass ≥ 6mm. Anti UV.			
Noise	≤ 67dB			
UV Lamp	30W*1	30W*1	40W*1	
	UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination.			
Illuminating Lamp	LED lamp			
	12W*2	12W*2	16W*2	16W*2
Illumination	≥1000Lux			
Consumption	600W	700W	1300W	
Waterproof Sockets	Two, total load of two sockets: 500W			
Display	7 inch touch screen 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	Abnormal airflow velocity, Filter replacement, Front window at unsafe height, High filter pressure alarm.			
Material	Work Zone: 304 stainless steel Main Body: Cold-rolled steel with anti-bacteria powder coating.			
Work Surface Height	750mm(Size can be customized according to requirements)			
Caster	Footmaster caster			
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Standard Accessory	LED lamp*2, UV lamp*2, Base stand, Remote control, Foot switch, Drain valve, Waterproof sockets*2			
Optional Accessory	Water and gas tap, Electric height adjustable base stand,Armrest,chair			
Gross Weight	265kg	340kg	363kg	430kg
Package Size(W*D*H)	1250*990*1770mm	1540*1080*1910mm	1640*980*1830mm	2000*1075*1910mm

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EC Series Class II A2 Biological Safety Cabinet

Color Touch Screen
Touch operation, real-time and clearer display of various values and appointment timing function.

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

Wind Speed Sensor & EC Fan

Stepper Motor and Handle
The front window can be controlled manually or electrically

Iron hook support rod for panel support

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

Footmaster Caster
Universal caster with brake and leveling feet.

Cabinet Support Block
Easy to lift, prevent hand pressing

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

ADVANTAGE

1. 7-inch touch color display screen: touch operation, real-time more clear and dynamic display of various values of the safety cabinet, and has the function of appointment timing.
2. The power-on password can be set to prevent unrelated personnel from mis-operation.
3. Automatically adjust the wind speed.
4. With power-off memory function, the state before power-off will be restored after power-on, and there will be visual prompts and alarms.
5. The integrated design of the operation area makes it easy to disassemble and clean.
6. The working area is equipped with a wind speed sensor to detect the wind speed in real and real time.
7. It can be used manually or electrically, and the front window can be closed by pulling down the glass door when the power is off.
8. The cabinet is separated from the base. The height of the adjustable base can be customized.
9. Interlocking function: UV lamp and front window; UV lamp and fan, LED lamp; fan and front window.
10. It has the function of appointment timing, which can automatically set the time of starting and shutting down the safety cabinet and the running time of ultraviolet lamps, fans and sockets.
11. The front window closes the double trigger signal, so that the sterilization and disinfection function of the ultraviolet lamp is normally turned on.
12. The negative pressure air duct is equipped with a foreign matter filtering structure to prevent foreign matter such as paper scraps from entering the fan system and affecting the normal operation of the product.
13. The front window glass has a one-key lift function
14. The cabinet is designed with a 10° inclination angle, which is in line with ergonomic principles, has a larger viewing angle, is easy to operate and is more user-friendly.

TECHNICAL PARAMETERS

Model	EA2-3F	EA2-4F	EA2-5F	EA2-6F	EA2-7F
External Size (W*D*H)	1100*800*2200mm	1300*800*2200mm	1500*800*2200mm	1800*800*2200mm	1950*800*2250mm
Internal Size (W*D*H)	940*600*660mm	1150*600*660mm	1350*600*660mm	1625*600*660mm	1800*600*660mm
Tested Opening	Safety height 200mm (8")				
Max Opening	460mm				
Inflow Velocity	0.53±0.025m/s				
Downflow Velocity	0.33±0.025m/s				
ULPA Filter	Two, 99.9995% efficiency at 0.12μm, filter life indicator				
Front Window	Manual and electric. Tempered glass≥5mm. Anti UV				
Noise	≤65 dB				
UV Lamp	30W*1	30W*1	40W*1	40W*1	40W*1
	UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination				
LED Lamp	12W*2	14W*2	16W*2	16W*2	12W*4
Illumination	≥1000Lux				
Consumption	600W	800W	1300W	1300W	1700W
Waterproof 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, high filter pressure, abnormal power failure				
Material	Work Zone: 304 stainless steel				
	Main Body: Cold-rolled steel with anti-bacteria powder coating				
Work Surface Height	770mm (Can be customized)		800mm (Can be customized)		
Caster	Footmaster caster				
Power Supply	AC220V 50/60Hz; 110V 60Hz				
Standard Accessory	LED lamp 2pcs, UV lamp 2pcs, Base stand, Foot switch, Drain valve, Waterproof sockets 2pcs, EC Fan, Remote control				
Optional Accessory	Water and gas tap, Electric height adjustable base stand, Armrest				
Gross Weight	284kg	316kg	355kg	420kg	455kg
Package Size (W*D*H)	1230*1060*1840mm	1430*1060*1840mm	1630*1060*1840mm	1930*1060*1840mm	2080*1060*1840mm

Double-side Class II A2 Biological Safety Cabinet

ADVANTAGE

1. There are two front openings for easy operation, which can be operated by two people at the same time.
2. It is convenient for the installation and replacement of high-efficiency filters.
3. The cabinet is designed with an inclined angle, which conforms to the principle of ergonomics and has a larger viewing angle.
4. The working area adopts negative pressure surround design, which is safer.
5. The workbench adopts a basin-shaped design, even if the waste liquid overflows in the experiment, it will not flow into the liquid accumulation tank, which is easy to clean.
6. The integrated design of casters and brackets can be fixed and leveled by adjusting the legs of the casters.
7. The cabinet and bracket can be separated, and the height of the bracket can be customized.
8. The maintenance and replacement of the filter and fan of the safety cabinet can be carried out at the front side of the safety cabinet, which is more convenient.
9. The glass adopts double-layer laminated explosion-proof safety glass, even if the glass is broken, it will not hurt people.
10. 7-inch touch screen, displaying the dynamics of airflow, downflow velocity, inflow velocity, temperature, humidity, clock, resistance of supply and exhaust filters.
11. Power-off recovery function: key memory function, fan, sunlight, lighting with power-off memory function.
12. Screen lock function: touch the lock screen button, the operation interface is locked, and other function keys are locked at the same time.
13. It has the timer switch function of fan, ultraviolet and socket, and the timer shutdown function; it saves working time.
14. User password modification, the user can set the power-on password of the safety cabinet.
15. Through the selection of high-quality fans and high-efficiency filters, and the reasonable design of the air duct structure, the air velocity of the biological safety cabinet must meet the requirements.

TECHNICAL PARAMETERS

Model	BSC-1500IIA2-S
External Size (W*D*H)	1500*785*2220mm
Internal Size (W*D*H)	1220*700*660mm
Tested Opening	Safety height 200mm
Max Opening	450mm
Inflow Velocity	0.48±0.025m/s
Downflow Velocity	0.33±0.025m/s
ULPA filter	Two, 99.9995% efficiency at 0.12μm, filter life indicator
Front Window	Two-layer laminated toughened glass≥5mm. Anti UV.
Noise	≤67 dB
UV Lamp	15W*2
	UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination
LED lamp	16W*2
Illumination	≥1000Lux
Consumption	1300W
Socket	Two, Total consumption: 500W
Display	LCD display
Control System	70% air recirculation, 30% air exhaust
Visual and Audio Alarm	Filter replacement, window over height, abnormal air flow velocity; High filter pressure alarm
Material	Work Zone: 304 stainless steel
	Main Body: Cold-rolled steel with anti-bacteria powder coating
Work Surface Height	750mm with base stand
Power Supply	AC220V 50/60Hz; 110V 60Hz
Standard Accessory	Cabinet*1, Base stand*1, Fan*1, Supply filter*1, Exhaust filter*1, LED lamp*2, UV lamp*2, Drain ball valve*1, Socket*2
Optional Accessory	Arm rest, Formalin fumigation sterilizer, Infrared sterilizer, S.S. water tap, S.S. gas tap
Package Size (W*D*H)	1770*930*1850mm
Gross Weight	325kg

Color Touch Screen
Touch operation, real-time and clearer display of various values and appointment timing function.

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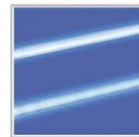
Iron hook support rod for panel support

Footmaster Caster
Universal caster with brake and leveling feet.

Double-side Table

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

![Herais Lab Solutions logo]

Radiation Protection Biological Safety Cabinet

Color Screen
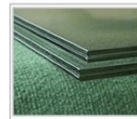Real-time and clearer display of various values and appointment timing function.

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.

Footmaster Caster
Universal caster with brake and leveling feet.

Iron hook support
rod for panel support

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

Front Window
Motorized, Two-layer laminated toughened glass >6mm, Anti UV.

Cabinet Support Block
Easy to lift, prevent hand pressing

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

ADVANTAGE

1. Color key display: super large screen, more clearly and dynamically display the values of the safety cabinet, and has the function of reservation timing.
2. Automatic adjustment of wind speed.
3. With power failure memory function, the state before power failure is restored after power-on, and there is a visual warning.
4. Operation area integrated molding design, easy to disassemble and clean.
5. Separate the cabinet from the base. Adjustable base height can be customized.
6. Interlocking function: UV lamp and front window; UV lamp and fan; Fan and front window.
7. With the reservation timing function, it can automatically set the safety cabinet regular startup, shutdown and UV lamp, fan, socket operation time.
8. The front window is closed to trigger the double signal, so that the sterilization and disinfection function of the ultraviolet lamp can be opened normally.
9. The negative pressure air duct is equipped with a foreign body filtering structure to prevent foreign bodies such as paper scraps from entering the fan system and affecting the normal operation of the product.
10. The front window glass has a one-click lifting function
11. The cabinet adopts 10° tilt Angle design, which is in line with the ergonomic principle, the viewing Angle is larger, the operation is convenient and more humane.
12. The integrated hand shelf is changed to a large plane, and the contact area with the arm is larger and more comfortable.
13. The left and right sides of the work area and the bottom of the lead plate are respectively protected. The left and right sides of the work area contain a 10mm lead plate, and the bottom of the operation area is a 10mm lead plate.
14. The front side is equipped with a side-sliding protective screen with protective radiation window. The front of the safety cabinet contains a movable anti-radiation glass front window component, and 1 piece of anti-radiation glass has a thickness of 50mm thick *350mm wide, which can slide left and right; This component can be separated from the safety cabinet and can be removed when not in use to facilitate the placement of items in the operating area.

TECHNICAL PARAMETERS

Model	BSC-1500IIA2-R	BSC-1800IIA2-R
External Size (W*D*H)	1500*840*2200mm	1800*840*2200mm
Internal Size (W*D*H)	1350*600*660mm	1625*600*660mm
Tested Opening	Safety height 200mm(8")	
Max Opening	440mm	
Inflow Velocity	0.53±0.025m/s	
Downflow Velocity	0.33±0.025m/s	
ULPA filter	Two, 99.9995% efficiency at 0.12µm, filter life indicator	
Front Window	Motorized. Two-layer laminated toughened glass≥6mm. Anti UV.	
Noise	≤65 dB	
UV Lamp	40W*1	40W*1
	UV timer, UV life indicator, emission of 235.7 nanometers for most efficient decontamination	
LED lamp	16W*2	16W*2
Illumination	≥1000Lux	
Consumption	1600W	1800W
Waterproof 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	Abnormal airflow velocity , filter replacement, front window at unsafe height, high filter pressure alarm, abnormal power failure	
Material	Work Zone: 304 stainless steel	
	Main Body: Cold-rolled steel with anti-bacteria powder coating	
Work Surface Height	750mm (Size can be customized according to requirements)	
Caster	Footmaster caster	
Power Supply	AC220V 50 / 60HZ; 110V 60HZ	
Standard Accessory	LED lamp 2pcs, UV lamp 1pc, Base stand, Remote control, Foot switch, Drain valve, Waterproof socket 2pcs	
Optional Accessory	Water and gas tap, Electric height adjustable base stand, Armrest	
Gross Weight	350kg	450kg
Package Size (W*D*H)	1630*1060*1840mm	1930*1060*1840mm

Class II B2 Biological Safety Cabinet

Three protection:operator,sample and environment.

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

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

Class II B2 Biological Safety Cabinet

- Room Air
- Polluted Air
- HEPA/ULPA Filtered Air
- A Protecred Area
- B Conprotected Area

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NSF CE ISO 9001 ISO 13485 SGS
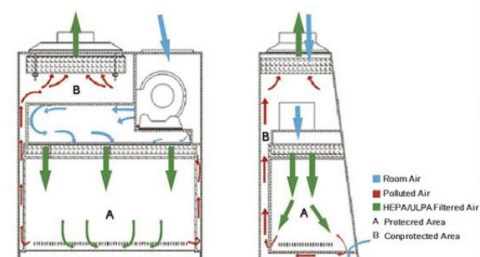
NSF Certified Class II B2 Biological Safety Cabinet

Display for BSC-4FB2-NA

Display for BSC-4FB2-GL

Color Touch Screen
Touch operation, real-time and clearer display of various values and appointment timing function.
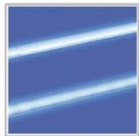
Wind Speed Sensor

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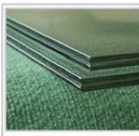Work zone, made of 304 stainless steel, is surrounded by negative pressure.

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

Footmaster Caster
Universal caster with brake and leveling feet

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

Front Window
Two-layer laminated toughened glass >6mm, anti UV

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. 7-inch large touch color display: touch operation, real-time and clearer display of various values of the safety cabinet, dynamic air flow pattern diagram, fault alarm sound and light prompt.
3. The power-on password can be set to prevent mis-operation by irrelevant personnel.
2. EC Fan, automatically adjust the wind speed.
3. With power-off memory function, the state before power-off will be restored after power-on and there will be visual prompts and alarms.
4. The integrated design of the operation area makes it easy to disassemble and clean.
5. The cabinet is separated from the base. The height of the adjustable base can be customized.
6. Interlocking function: UV lamp and front window; UV lamp and fan; fan and front window.
7. It has the function of appointment timing, which can automatically set the time of starting and shutting down the safety cabinet and the running time of ultraviolet lamps, fan and sockets.
8. The front window closes the trigger signal, so that the sterilization and disinfection function of the ultraviolet lamp is normally turned on.
9. The one-piece hand resting surface has a larger contact area with the arm and is more comfortable.air speed adjustable with filter block.

TECHNICAL PARAMETERS

Model	BSC-4FB2-NA	BSC-4FB2-GL
External Size(W*D*H)	1383*775*2250mm	
Internal Size(W*D*H)	1210*600*660 mm	
Tested Opening	Safety height 200mm (8")	
Max Opening	470mm	
Exhaust Airflow Volume	100%: 1320m³/h(776cfm)	
Front Window	Motorized. Two-layer laminated toughened glass ≥6mm. Anti UV	
ULPA Filter	Two, 99.9995% efficiency at 0.12µm, filter life indicator	
Filter Guard Type	Aluminum alloy frame	
Noise	NSF 49≤67 dB/EN 12469≤65dB	
Illumination	≥1000Lux	
Display	Color Touch Screen	
Waterproof Socket	2, Total consumption: ≤500W	
Tap	Water tap*1, Gas tap *1	
Ground Resistance	≤ 0.10Ω	
Power Supply	AC230V, 50Hz; 115V, 60Hz, Full load Amps: 9A, BTU/Hr: 1689	
Consumption	400w	
Alarm	Abnormal airflow velocity; Filter replacement; Front window at unsafe height.	
DC Motor	One ECM motor, 115V& 230V acceptable, Speed adjustable, high efficiency and low power consumption	
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	
Illuminating Lamp	20W*2	
	LED lamp	
Standard Accessory	LED lamp*2, UV lamp*2, Base stand, SS water tap*1, SS gas tap*1, Drain valve, Waterproof sockets*2,	
	Stainless Steel IV Bar with 10 hooks, Remote control	
Optional Accessory	Armrest, Airflow tester, Formalin fumigation sterilizer, Infrared sterilizer, Electric height adjustable	
	base stand, exhaust duct	
Package Size (W*D*H)	1540*1080*1900mm	
Gross Weight	340kg	

Note: Customers need to prepare an external exhaust fan or exhaust system by themselves.

AC Series Class II B2 Biological Safety Cabinet

Color Screen
Real-time and clearer display of various values and appointment timing function.

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

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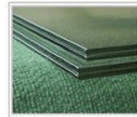All functions can be realized with it, making the operation much easier and more convenient.

Footmaster Caster
Universal caster with brake and leveling feet.

Iron hook support rod for panel support

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

Front Window
Motorized, Two-layer laminated toughened glass >6mm, Anti UV.

Cabinet Support Block
Easy to lift, prevent hand pressing

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

ADVANTAGE

1. Color key display: large screen, more clear and dynamic display of various values of the safety cabinet, and has the function of appointment timing.
2. Automatically adjust the wind speed.
3. With power-off memory function, the state before power-off will be restored after power-on, and there will be visual prompts and alarms.
4. The integrated design of the operation area makes it easy to disassemble and clean.
5. The cabinet is separated from the base. The height of the adjustable base can be customized.
6. Interlocking function: UV lamp and front window; UV lamp and fan, LED lamp; fan and front window.
7. It has the function of appointment timing, which can automatically set the time of starting and shutting down the safety cabinet and the running time of ultraviolet lamps, fans and sockets.
8. The front window closes the double trigger signal, so that the sterilization and disinfection function of the ultraviolet lamp is normally turned on.
9. The negative pressure air duct is equipped with a foreign matter filtering structure to prevent foreign matter such as paper scraps from entering the fan system and affecting the normal operation of the product.
10. The front window glass has a one-key lift function
11. The cabinet is designed with a 10° inclination angle, which is in line with ergonomic principles, with a larger viewing angle, convenient operation and more humanization.
12. The one-piece hand rest has a large flat surface, which has a larger contact area with the arm and is more comfortable.

TECHNICAL PARAMETERS

Model	BSC-1100 II B2-X	BSC-1300 II B2-X	BSC-1500 II B2-X	BSC-1800 II B2-X
External Size (W*D*H)	1100*775*2250mm	1300*775*2250mm	1500*775*2250mm	1800*775*2250mm
Internal Size (W*D*H)	940*600*660mm	1150*600*660mm	1350*600*660mm	1625*600*660mm
Tested Opening	Safety height 200mm (8")			
Max Opening	480mm			
Inflow Velocity	0.53±0.025m/s			
Downflow Velocity	0.33±0.025m/s			
ULPA Filter	Two, 99.9995% efficiency at 0.12µm, filter life indicator			
Front Window	Motorized. Two-layer laminated toughened glass≥6mm. Anti UV			
Noise	≤65 dB			
UV Lamp	30W*1	30W*1	40W*1	40W*1
	UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination			
LED Lamp	12W*2	14W*2	16W*2	16W*2
Illumination	≥1000Lux			
Consumption	1300W	1300W	1300W	1300W
Waterproof 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	0% air recirculation, 100% air exhaust			
Visual and Audio Alarm	Abnormal airflow velocity, Filter replacement, Front window at unsafe height, High filter pressure alarm, abnormal power failure			
Material	Work Zone: 304 stainless steel			
	Main Body: Cold-rolled steel with anti-bacteria powder coating			
Work Surface Height	770mm (Can be customized)			800mm (Can be customized)
Caster	Footmaster caster			
Power Supply	AC220V 50 / 60Hz; 110V 60Hz			
Standard Accessory	LED lamp 2pcs, UV lamp 2pcs, Base stand, Remote control, Foot switch, Drain valve, Waterproof socket 2pcs, Exhaust blower, Exhaust duct			
Optional Accessory	Water and gas tap, Electric height adjustable base stand, Armrest			
Gross Weight	243kg; 52kg	282kg; 64kg	300kg; 64kg	408kg; 64kg
Package Main Body, Exhaust Blower (W*D*H)	1230*990*1840mm	1430*990*1840mm	1630*990*1840mm	1930*990*1840mm
	930*800*700mm	930*860*740mm	930*860*740mm	930*860*740mm

CE

Pro Series Class II B2 Biological Safety Cabinet

Worktop Holder

Horktop Holder Usage Diagram

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≥6mm, Anti UV

Footmaster Caster
Universal caster with brake and leveling feet

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

LCD Display
7 inch touch screen display is easy to monitor all the safety parameters at a glance and ergonomically sized control panel improves user interface.

ADVANTAGE
1. Larger angle of view,easy to operate and more humanized.
2. Motorized front window.
3. ULPA filter life and UV life indicator.
4. Time reserve function.
5. With memory function in case of power-failure.
6. Self-locking button switch to solve the trouble of losing the key.
7. 7 inch Large touch screen with Intelligent control system: 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.
8. Audio and visual alarm (filter replacement, window over height, abnormal air flow velocity, etc. High filter pressure alarm).
9. Remote control. All functions can be realized with it, making the operation much easier and more convenient.
10. Interlock function: UV lamp and front window; UV lamp and blower, LED lamp; blower and front window
11. Foot switch. Adjust front window height by foot during experiment, to avoid airflow turbulence caused by arm movement.

TECHNICAL PARAMETERS

Model	BSC-1100IIB2-Pro	BSC-1500IIB2-Pro	BSC-1800IIB2-Pro
External Size (W*D*H)	1100*750*2255mm	1500*770*2290mm	1875*795*2280mm
Internal Size (W*D*H)	940*600*655mm	1350*600*660mm	1700*600*660mm
Tested Opening	Safety Height 200mm(8")		
Max Opening	420 mm (17")	500mm (20")	480mm (20")
Inflow Velocity	0.53±0.025m/s		
Downflow Velocity	0.33±0.025m/s		
ULPA Filter	Two, 99.9995% efficiency at 0.12μm, filter life indicator.		
Front Window	Motorized, two-layer laminated toughened glass ≥ 6mm, anti UV		
Noise	≤ 67dB		
UV Lamp	30W*1	40W*1	40W*1
	UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination.		
Illuminating Lamp	LED lamp		
	12W*2	16W*2	16W*2
Illumination	≥1000Lux		
Consumption	800W	1300W	1400W
Waterproof Sockets	Two, total load of two sockets: 500W		
Display	7 inch touch screen display: exhaust filter and downflow filter pressure, filter and UV lamp working time, inflow and downflow velocity, filter life, humidity and temperature, system working time etc.		
Control System	Microprocessor		
Airflow System	0% air re-circulation, 100% air exhaust		
Alarm	Abnormal airflow velocity; Filter replacement; Front window at unsafe height; High filter pressure alarm.		
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(Size can be customized according to requirements)		
Caster	Footmaster caster		
Power Supply	AC 220V±10%, 50/60Hz; 110V±10%, 60Hz		
Standard Accessory	LED lamp*2, 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, Electric height adjustable base stand		
Gross Weight	265kg;50kg	325kg;56kg	420kg;60kg
Package - Main Body	1250*990*1770mm	1650*990*1820mm	2000*1075*1910mm
Package - Exhaust Blower (W*D*H)	920*790*690mm	920*790*790mm	920*790*840mm

EC Series Class II B2 Biological Safety Cabinet

Color Touch Screen
Touch operation, real-time and clearer display of various values and appointment timing function.

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

Wind Speed Sensor & EC Fan

Stepper Motor and Handle
The front window can be controlled manually or electrically

Iron hook support rod for panel support

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

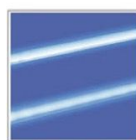**Footmaster Caster**
Universal caster with brake and leveling feet.

Cabinet Support Block
Easy to lift, prevent hand pressing

UV Lamp
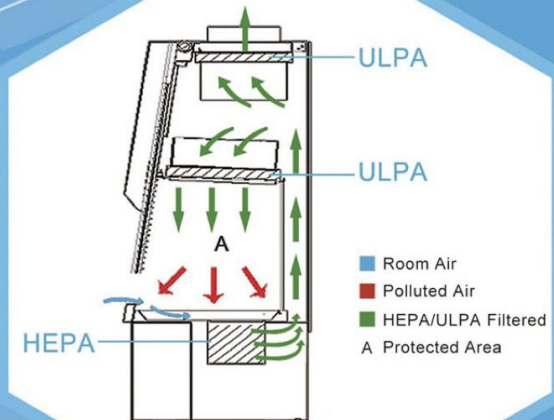Emission of 253.7 nanometers for most efficient decontamination.

ADVANTAGE

1. 7-inch touch color display screen: touch operation, real-time more clear and dynamic display of various values of the safety cabinet, and has the function of appointment timing.
2. The power-on password can be set to prevent unrelated personnel from mis-operation.
3. Automatically adjust the wind speed.
4. With power-off memory function, the state before power-off will be restored after power-on, and there will be visual prompts and alarms.
5. The integrated design of the operation area makes it easy to disassemble and clean.
6. The working area is equipped with a wind speed sensor to detect the wind speed in real and real time.
7. It can be used manually or electrically, and the front window can be closed by pulling down the glass door when the power is off.
8. The cabinet is separated from the base. The height of the adjustable base can be customized.
9. Interlocking function: UV lamp and front window; UV lamp and fan, LED lamp; fan and front window.
10. It has the function of appointment timing, which can automatically set the time of starting and shutting down the safety cabinet and the running time of ultraviolet lamps, fans and sockets.
11. The front window closes the double trigger signal, so that the sterilization and disinfection function of the ultraviolet lamp is normally turned on.
12. The negative pressure air duct is equipped with a foreign matter filtering structure to prevent foreign matter such as paper scraps from entering the fan system and affecting the normal operation of the product.
13. The front window glass has a one-key lift function
14. The cabinet is designed with a 10° inclination angle, which is in line with ergonomic principles, has a larger viewing angle, is easy to operate and is more user-friendly.

TECHNICAL PARAMETERS

Model	EB2-3F	EB2-4F	EB2-5F	EB2-6F
External Size（W*D*H）	1100*800*2250mm	1300*800*2250mm	1500*800*2250mm	1800*800*2250mm
Internal Size（W*D*H）	940*600*660mm	1150*600*660mm	1350*600*660mm	1625*600*660mm
Tested Opening	Safety height 200mm（8"）			
Max Opening	460mm			
Inflow Velocity	0.53±0.025m/s			
Downflow Velocity	0.33±0.025m/s			
ULPA Filter	Two, 99.9995% efficiency at 0.12μm, filter life indicator			
Front Window	Manual and electric. Tempered glass≥5mm. Anti UV			
Noise	≤65 dB			
UV Lamp	30W*1	30W*1	40W*1	40W*1
	UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination			
LED Lamp	12W*2	14W*2	16W*2	16W*2
Illumination	≥1000Lux			
Consumption	800W	850W	1300W	1300W
Waterproof 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 down flow 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, high filter pressure, abnormal power failure			
Material	Work Zone: 304 stainless steel			
	Main Body: Cold-rolled steel with anti-bacteria powder coating			
Work Surface Height	770mm (Can be customized)			800mm (Can be customized)
Caster	Footmaster caster			
Power Supply	AC220V 50/60Hz; 110V 60Hz			
Standard Accessory	LED lamp 2pcs, UV lamp 2pcs, Base stand, Foot switch, Drain valve, Waterproof sockets 2pcs, EC Fan, Exhaust blower, Exhaust duct, Remote control			
Optional Accessory	Water and gas tap, Electric height adjustable base stand, Armrest			
Gross Weight	296kg; 52kg	329kg; 64kg	366kg; 64kg	431kg; 64kg
Package Size — Main Body / Exhaust Blower (W*D*H)	1230*1060*1840mm / 930*800*700mm	1430*1060*1840mm / 930*860*740mm	1630*1060*1840mm / 930*860*740mm	1930*1060*1840mm / 930*860*740mm

Cytotoxic Safety Cabinet

BIOBASE Cytotoxic Safety Cabinet is the premium solution for cytotoxic/antineoplasticdrug 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.

ULPA
ULPA
HEPA

- ■ Room Air
- ■ Polluted Air
- ■ HEPA/ULPA Filtered
- A Protected Area

Herais
Lab Solutions

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.

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.
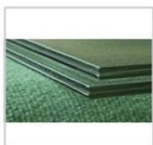
Water and Gas Tap
High quality stainless steel.
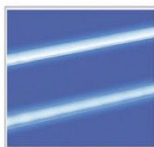
UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

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

Front Window
Motorized, Two-layer laminated toughened glass >6mm, Anti UV.

Footmaster Caster
Universal caster with brake and leveling feet.

Iron hook support rod for panel support

TECHNICAL PARAMETERS

Model	11224BBC86	11234BBC86	11244BBC86
External Size (W*D*H)	1087*760*2100mm	1380*760*2100mm	1877*760*2100mm
Internal Size (W*D*H)	910*600*630mm	1220*600*630mm	1700*600*630mm
Tested Opening	Safety Height 200mm(8")		
Max Opening	440mm(17")		
Inflow Velocity	0.53±0.025m/s		
Down Flow Velocity	0.33±0.025m/s		
Exhaust Volume	347m³/h	465m³/h	648m³/h
Air Supply Filter	ULPA filter, efficiency > 99.9995% for particle size at 0.12 μm		
Exhaust Filter	ULPA filter: first exhaust filter: 0.12μm efficiency 99.9995%; HEPA filter: secondary exhaust filter: 0.3μm efficiency 99.995%		
Alarm	Abnormal airflow velocity; Filter replacement; Front window at unsafe height; High filter pressure alarm		
Noise	≤ 67dB		
Water & Gas Tap	Water Tap*1, Gas tap*1		
UV Lamp	20W*1	30W*1	40W*1
	Emission of 253.7 nanometers for most efficient decontamination		
	UV life indicator, UV timer		
LED Lamp	12W*2	14W*2	16W*2
Illumination	≥1000Lux		
Consumption	700W	900W	1300W
Waterproof Socket	Two, Total load of two sockets: ≤500W		
Display	LCD display		
Control System	Microprocessor		
Humidity and Temperature	Humidity and temperature can be displayed on the control panel		
Material	Work Area: 304 stainless steel		
	Main Body: cold-rolled steel with anti-bacteria powder coating		
Front Window	Motorized, two-layer laminated toughened glass≥6mm, anti-UV		
Caster	Footmaster Caster		
Power supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz		
Standard Accessory	Base stand, Drain valve, Waterproof sockets*2, Remote control, LED lamp*2, UV lamp*2, Water tap, Gas tap		
Optional Accessory	Armrest, Formalin fumigation sterilizer, Infrared sterilizer, Airflow tester		
Gross Weight	320kg	371kg	430kg
Package Size (W*D*H)	1240*910*2280mm	1540*910*2280mm	2050*910*2260mm

# 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.
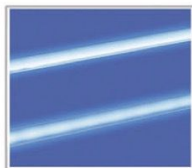
![Herais Lab Solutions logo]

CE · ISO 9001 · ISO 14001 · ISO 13485 · SGS
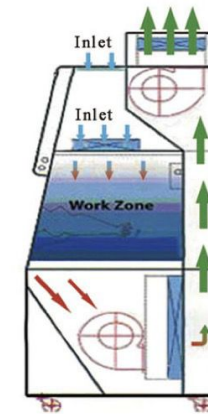
Class III Biological Safety Cabinet

Pass Box
Double doors with interlock function and UV lamp.
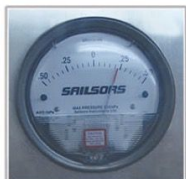
Pressure Meter
Display the pressure of work zone.

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. With memory function in case of power-failure.
2. UV lamp ensures work area sterilization effectively.
3. An angled cabinet front ensures an ergonomic working posture.
4. Exhaust air is double-filtered through high-quality ULPA filters with typical efficiency of 99.9995% for 0.12μm particles.

TECHNICAL PARAMETERS

Model	BSC-1100IIIX	BSC-1500IIIX
External Size(W*D*H)	1540*880*2000 mm	1790*880*2080 mm
Internal Size(W*D*H)	910*650*660 mm	1165*650*660 mm
Pass Box Size(W*D*H)	Internal Size:430*330*355mm	
	External Size:575*425*495mm	
Gloves	One pair of 800mm butyl rubber gloves	
Front Window	8 mm toughened glass, anti-ultraviolet radiation	
Display	LCD display	
Pre-Filter	Polyester fiber, washable	
Pressure	Negative, ≥ 120 Pa	
ULPA Filter	Air supply filter: Efficiency 99.9995% at 0.12μm	
	First exhaust filter: Efficiency 99.9995% at 0.12μm	
	Second exhaust filter: Efficiency 99.9995% at 0.12μm	
Noise	≤ 67dB	
Alarm	Audio and visual alarm, abnormal pressure; filter replacement	
Work Zone Material	304 stainless steel	
Illumination	≥ 1000 lux	
Consumption	1200W	1300W
LED Lamp	12W*2	16W*2
UV Lamp	18W*2, 8W*1	30W*2, 8W*1
	Emission of 253.7 nanometers for most efficient decontamination	
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
Gross Weight	350kg	450kg
Package Size(W*D*H)	1635*1065*2160mm	1890*1065*2250mm
Standard Accessories	Gloves, fluorescent lamp, UV lamp*3, remote control, pressure meter, drain valve	

Class III Biological Safety Cabinet

LCD Display

Pass Box

Front Window

Independent Negative Cycle Structure

ADVANTAGE

1. 7-inch touch color display screen: Touch operation, real-time, more clear and dynamic display of various values.
2. Power-off memory, restore the state before power-off after power-on, and have visual prompts to alarm.
3. Screen lock function: Touch the screen lock button lightly, and the operation interface is locked to prevent mis-operation and facilitate management.
4. The three side walls of the working area adopt high-quality 304# stainless steel integrated structure, which is easy to clean.
5. The work surface is made of high-quality 304# stainless steel, which is designed in a basin shape and is easy to clean.
6. Convenient front window design, the front window glass can be opened and closed freely, which is convenient for putting in large equipment and cleaning operations.
7. The work surface can be easily lifted or taken out, which is convenient for cleaning and disinfection operations.
8. The magnetic opening and closing design of the transmission window, the interlocking device of the transmission window, and the independent negative pressure cycle structure protect the safety of the operator.
9. The cabinet body and the top of the transfer window are equipped with a pre-filter to effectively prolong the service life of the main filter.
10. The whole machine is equipped with four ULPA ultra-high efficiency filters.
11. The design of butyl rubber gloves has good corrosion resistance, and the replacement of gloves is simple and convenient.

TECHNICAL PARAMETERS

Model	BSC-1100IIIX-H	BSC-1500IIIX-H
External Size	1667*950*2180mm	1920*950*2180mm
Internal Size	917*640*600mm	1170*640*600mm
Pass Box Size	580*440*560mm	580*440*560mm
Gloves	One pair of 800mm butyl rubber gloves	
Front Window	12mm tempered glass, anti-ultraviolet radiation	
Display	Touch LCD display	
Pre-filter	Polyester fiber, washable	
Pressure	Negative, ≥120Pa	
ULPA Filter	Operating area supply air filter: 99.9995% (0.12μm in diameter)	
	Base cabinet exhaust filter: 99.9995% (0.12μm in diameter)	
	Top exhaust filter: 99.9995% (0.12μm in diameter)	
	Pass box supply air filter: 99.9995% (0.12μm in diameter)	
Noise	≤67dB	
Alarm	Audio and visual alarm, abnormal pressure	
Work Zone Material	304 stainless steel	
Illumination	≥1000lux	
Consumption	1200W	1300W
LED Lamp	12W*2	14W*2
UV Lamp	20W*2, 8W*1	30W*2, 8W*1
	Emission of 253.7nm for most efficient decontamination	
Power Supply	Standard: AC 220V 50/60Hz, optional: AC 110V 50/60Hz	
Packing Size	1810*1100*2350mm	2060*1100*2350mm
Gross Weight	420kg	480kg

Class I
Biological Safety Cabinet

Personnel and environmental protection.

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

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

HEPA Filter

Sash

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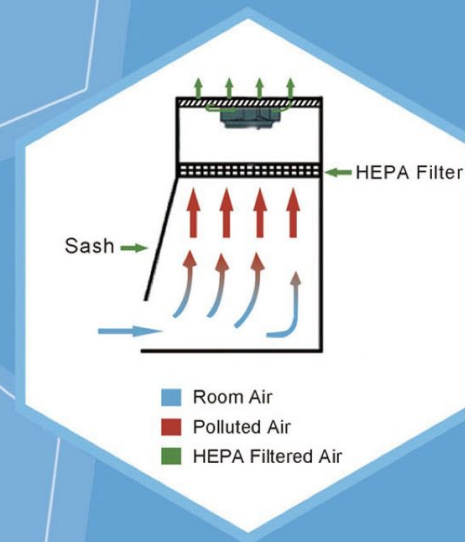
Class I Biological Safety Cabinet

BYKG-V

BYKG-I/II

BYKG-III

ADVANTAGE

1. UV lamp for sterilization.
2. Soft touch control panel, LCD display (Only BYKG-III).
3. Energy-saving, high efficiency, low noise.
4. With memory function in case of power-failure.
5. One piece 304 stainless steel work table, easy for cleaning.
6. Stable air flow system; provide firm protection to people and environment.

TECHNICAL PARAMETERS

Model	BYKG-I	BYKG-II	BYKG-III	BYKG-V
External Size(W*D*H)	550*395*730mm	700*550*900mm	900*713*1250mm	1100*697*1900mm
Internal Size(W*D*H)	540*385*440mm	680*540*500mm	800*635*600mm	968*625*630mm
HEPA Filter	99.995% efficiency at 0.3um			
Airflow Velocity	>0.3m/s	0.75~1.0m/s	>0.3m/s	0.75~1.0m/s
Noise	≤60dB	≤55dB	≤60dB	≤67dB
Illuminating Lamp	4W*1 LED lamp	8W*1 LED lamp	8W*1 LED lamp	12W*2 Fluorescent lamp
UV Lamp	15W*1	20W*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	400W	350W
Work Surface Height	/	/	/	750mm
Caster	/	/	/	Universal caster
Main Body Construction	PMMA	PMMA	Cold-rolled steel with anti-bacteria powder coating, tempered glass	
Work Table	304 stainless steel			
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Standard Accessory	LED lamp, UV lamp*2			Fluorescent lamp, UV lamp*2, Base stand
Optional Accessory	Electric height adjustable base stand			
Gross Weight	38kg	68kg	147kg	185kg
Package Size(W*D*H)	710*550*950mm	870*720*1170mm	1060*870*1440mm	1260*860*2080mm

Biosafety Accessories

Electric Height Adjustable Base Stand

APPLICATIONS

For biosafety cabinet, laminar flow cabinet, fume hood and other laboratory equipment which need adjustable height base stand.

FEATURES

1. Heavy load and smart balance
2. Smooth running speed and low noise
3. Concise and easy with nice appearance
4. Low maintenance cost
5. Easy to install and disassemble
6. Max Adjustable Route 400 mm
7. Width adjustable is customized
8. Multipurpose for laboratory apparatus

Control Button   Footmaster Caster

TECHNICAL PARAMETERS

Max Route(mm)		100	150	200	250	300	350	400
Height of Base Stand	Min.Height(mm)	440	490	540	590	640	690	740
	Max.Height(mm)	540	640	740	840	940	1040	1140
Max Load		400kg						
Load Speed		5mm/s						
Working Frequency		10%, max continuous working time is 2 minutes						
Noise		<65dB						
Work Temperature		-26℃~65℃						
Material		Pedestal: 3.0mm steel						
		Lifting Rod: Aluminium alloy						
Power Supply		AC220V±10%, 50/60Hz; 110V±10%, 60Hz						
Controller Consumption		100~200W						
Caster		Footmaster Caster						
Applications		For biosafety cabinet, laminar flow cabinet, fume hood and other laboratory equipment						

9535-A   9535   CLJ-2083   TES1357   TES1332A

Air Velocity Meter
Measurement Range: 0~30m/s
Accuracy: ±3% or ± 0.015m/s
Resolution: 0.01m/s
Data log 12,700+samples and 100 test IDs
The 9535 model comes with a telescopic straight probe.
The 9535-A model comes with an articulated probe.

Dust Particle Counter
Particle Size Channel:
0.3, 0.5, 1.0, 3.0, 5.0, 10.0(μm)
Sampling period: 1~9999s
Number of sampling point: 2~9
Sampling frequency: 2~9
Sampling quantity:
2.83L/min(0.1cfm)

Digital Sound Level Meter
Measurement Range: 30~130dB
Accuracy: ±1.5dB
Resolution: 0.1dB

Illumination Meter
Light Intensity range:
0~200,000LUX
Accuracy:
±3% rdg±0.5% f.s. (<10,000lux)
±4% rdg±10dgts (>10,000lux)

HWQ-001
HWQ-002

Infrared Sterilizer
Two types:
HWQ-001: 36mm dimension of cavity
HWQ-002: 22mm dimension of cavity
Central high-temperature: 930℃±30℃
Heat-up Time: 20min   Size: 150*95*210mm
Package Size (W*D*H): 266*225*145mm
Weight: 1600g   Power: 180W
Voltage: 110/220V, 50/60Hz

Foot rest
Humanization design.
Material is cold-rolled steel with anti-bacteria powder coating.
Can be customized.

Formalin Fumigation Sterilizer Ammonium Hydrogen Carbonate Neutralizer
Sterilize the cabinet with formalin for 8 hours and neutralize the formalin with ammonium hydrogen carbonate for 8 hours.

Arm rest
Alleviate fatigue on operator's armsPrevent air obstruction
Adjustable height range: 85~100mm

Laboratory Chair
Backrest and seat material:
Artificial leather
Seat diameter: 350mm
Backrest height: 420mm
Height range: 500~700mm

Laser Dust Particle Counter

APPLICATION

The product is widely used in medicine, optics, chemistry, food, cosmetics, electronic health, biological products, aerospace and other fields.

FEATURES

1. 7-inch touch screen control, friendly interface and convenient operation.

2. Calculated by 95% confidence level (UCL), it can directly display particle concentration (particles/m³) and purification level.

3. 4GB data storage card, data storage management.

4. The material of the chassis is cold-rolled steel plate (anti-rust treatment, electrostatic spraying)

5. Built-in thermal printer

6. Imported semiconductor laser tube and imported semiconductor photosensitive receiver tube.

7. The counting result can be converted into cubic meters and cubic feet.

TECHNICAL PARAMETERS

Model	CLJ-2083
Dimension	220*280*185mm
Sampling Volume	2.83L/min (0.1cfm/min)
Ambient Temperature	10-35℃
Ambient Relative Humidity	≤75%
Power	100w
Six Particle Size Channels	0.3μm, 0.5μm, 1μm, 3μm, 5μm, 10μm
Vacuum Source	Built-in air pump, under control flow
Light Source	Semi-conductor laser, more than 30,000h
Zero Count	Less than 10min
Communication Interface	USB
Cleanliness Level Range	ISO5-ISO9
Main Body Material	Cold-rolled steel with powder coated
Voltage	110V/220V, 50/60Hz
Optional Parts	Temperature sensor, humidity sensor
Packing Size	500*500*350mm
Gross Weight	11kg

APPLICATION

The product is widely used in medicine, optics, chemistry, food, cosmetics, electronic health, biological products, aerospace and other fields.

FEATURES

1. 7-inch touch screen control, friendly interface and convenient operation.

2. Calculated by 95% confidence level (UCL), it can directly display particle concentration (particles/m3) and purification level.

3. 4GB data storage card, data storage management.

4. The material of the chassis is stainless steel.

5. Built-in thermal printer

6. Imported semiconductor laser tube and imported semiconductor photosensitive receiver tube.

7. Support WIFI to export data directly.

TECHNICAL PARAMETERS

Model	CLJ-2803
Dimension	220*350*260mm
Sampling Volume	28.3L/min (1cfm/min)
Ambient Temperature	10-35℃
Ambient Relative Humidity	≤75%
Power	150w
8 Particle Size Channels	0.3μm, 0.5μm, 0.7μm, 1μm, 2μm, 3μm, 5μm, 10μm
Vacuum Source	Built-in air pump, under control flow
Light Source	Semi-conductor laser, more than 30,000h
Zero Count	Less than 10min
Communication Interface	USB, RS485
Cleanliness Level Range	ISO5-ISO9
Main Body Material	Stainless steel
Voltage	110V/220V, 50/60Hz
Optional Parts	Temperature sensor, humidity sensor
Packing Size	460*400*410mm
Gross Weight	17kg

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 Type

Vertical Type

Polluted Air
HEPA Filtered Air
Room Air
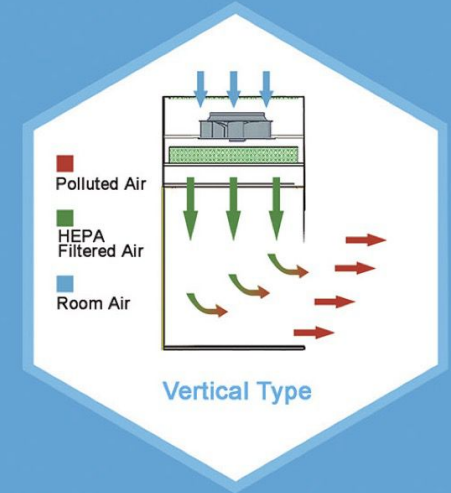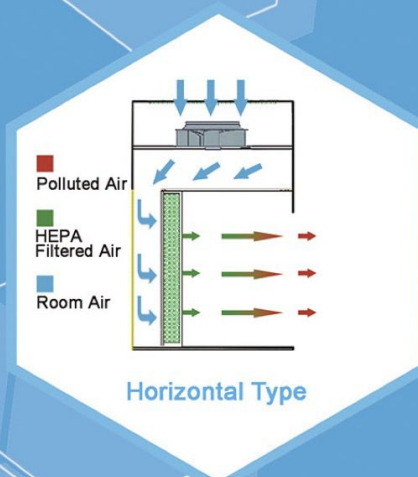
ETL Certified Horizontal Laminar Flow Cabinet

ADVANTAGE

1. ETL certification, Satisfy North American market.

2. With memory function in case of power-failure.

3. Audio and visual alarm (Abnormal airflow velocity).

TECHNICAL PARAMETERS

Model	BBS-H800	BBS-H1100	BBS-H1300	BBS-H1500	BBS-H1800
External Size(W*D*H)	800*810* (1720~1980)mm	1100*810* (1720~1980)mm	1300*810* (1720~1980)mm	1500*810* (1720~1980)mm	1800*810* (1720~1980)mm
Internal Size(W*D*H)	700*500*600mm	1000*500*600mm	1200*500*600mm	1400*500*600mm	1700*500*600mm
Work Surface Height	750~1010mm				
Max Opening	440mm				
Display	LCD Display				
Airflow Velocity	80~99fpm				
Material	Working area: 304 stainless Steel. Main Body: Cold-rolled steel with anti-bacteria powder coating. Front Window: 5 mm toughened glass, anti-UV.				
Pre-Filter	Polyester fiber				
HEPA Filter	One, 99.995% efficiency at 0.3μm				
Noise	≤68dB(A)				
Illumination	≥300lx				
Waterproof Sockets	One socket (Double type), America standard, Max.Power: 500W				
Power Supply	103.5~126.5V, 60Hz, 10A				
Consumption	750W	950W	950W	950W	1150W
LED Lamp	10W*1	14W*1	14W*1	18W*1	22W*1
Standard Accessory	Manually height adjustable base stand, LED lamp, wind speed sensor, waterproof socket, Stainless Steel I.V.Bar with 10 hooks				
Optional Accessory	UV lamp				
Package Size（W*D*H）	940*1090*1250mm	1240*1090*1250mm	1440*1090*1250mm	1640*1090*1250mm	1940*1090*1250mm
Gross Weight	150kg	190kg	225kg	265kg	300kg

Stainless Steel I.V. Bar with 10 hooks

Waterproof Socket
America Standard

Footmaster Caster
Universal caster with brake and leveling feet

Wind Speed Sensor
Direct measurement of wind speed

Horizontal Laminar Flow Cabinet

TECHNICAL PARAMETERS

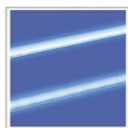| Model	BBS-H1300	BBS-H1800
External Size（W*D*H）	1300*820*2040mm	1800*820*2070mm
Internal Size（W*D*H）	1200*500*570mm	1700*500*570mm
Work Surface Height	750mm	
Display	LCD Display	
Airflow Velocity	Average of 0.3~0.5m/s	
Material	Main Body: Cold-rolled steel with anti-bacteria powder coating	
	Work Table: 304 stainless steel	
	Side and Front Window: 5mm toughened glass, anti-UV	
Pre-Filter	Polyester fiber, washable	
HEPA Filter	99.995% 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 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	
	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*1060*1600mm

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

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

Gas Tap

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination

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

Horizontal Laminar Flow Cabinet

ADVANTAGE

1. Horizontal laminar flow, single-sided operation;
2. Made of high-quality cold rolled steel plate material, welding structure, surface electrostatic spraying, enhancing the stability of the cabinet;
3. Equipped with pre-filter, which can preliminarily filter large particulate matter, thus improving the service life of HEPA filter;
4. Work zone is made of SUS304 material, beautiful and corrosion resistance;
5. The front and side Windows are made of 5mm thick tempered glass;
6. Footmaster casters design, convenient cabinet movement and fixation;
7. LCD screen, real-time display of running status (air velocity, timer, UV lamp time, HEPA filter running time);
8. With ultraviolet lamp, fan appointment timing function;
9. Unit conversion function, which switches units between PA and m/s;
10. Equipped with UV light, LED light, waterproof sockets;
11. Perfect alarm system:
(1) Ultra-high filter pressure alarm
(2) Filter failure replacement alarm
(3) Low wind speed alarm
12. Interlocking function: UV lamp and front window; UV lamp and fan, fluorescent lamp; fan and front window.

TECHNICAL PARAMETERS

Model	BBS-H1300-I	BBS-H1800-I
External Size(W*D*H)	1300*820*1940mm	1800*820*1940mm
Internal Size(W*D*H)	1200*550*570mm	1700*550*570mm
Work Surface Height	750mm	
Max Opening	430mm	
Display	LCD display	
Airflow Velocity	0.30~0.5m/s	
Material	Working area: 304 stainless steel; Main body: 1.0mm cold-rolled steel with anti-bacteria powder coating; Front window: 5mm toughened glass, anti-UV.	
Pre-Filter	Polyester fiber	
HEPA Filter	One, 99.995% efficiency at 0.3µm	
Front Window	Motorized	
Noise	≤65dB(A)	
Illumination	≥300lx	
Vibration	≤5µm(rms)	
Safety	Colonies Number ≤ 0.5CFU/30min	
Clean Level	ISO Level 5(Class 100)	
Waterproof Sockets	Two sockets, Max. Power: 1000W	
Power Supply	AC220V±10%, 50/60Hz(Standard); 110V±10%, 60Hz(Optional)	
Consumption	1400W	1500W
LED Lamp	12W*1	16W*2
UV Lamp	30W*1	30W*1
Standard Accessories	Base stand; LED lamp; UV lamp; Waterproof socket*2.Gas tap	
Package Size(W*D*H)	1450*1060*1540mm	1940*1060*1540mm
Gross Weight	255kg	325kg

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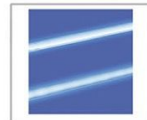Airflow velocity, UV timer, UV work time, system work time, real time.

Glass side window
The transparent side glass maximizes the lighting and visibility inside the cabinet, providing an open working environment.

Gas Tap

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

UV Lamp
Emission of 254 nanometers for most efficient decontamination. The radiation intensity is not less than 400mW/m².

Foot-master Caster
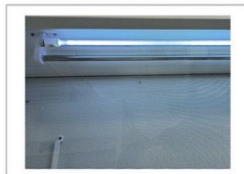Universal aster with brake and leveling feet.

Horizontal Laminar Flow Cabinet

LCD Display
7-inch color touch screen, real-time display of running status.

Waterproof Socket
Optimum convenience of using small devices inside the cabinet.

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination. The radiation intensity is not less than 400mW/m².

Foot-master Caster
Universal aster with brake and leveling feet.

ADVANTAGE

1. Vertical face design, the operating perspective is wide and more humane;
2. Made of high-quality cold rolled steel plate material, welding structure, surface electrostatic spraying, enhancing the stability of the cabinet;
3. Equipped with pre-filter, which can preliminarily filter large particulate matter, thus improving the service life of HEPA filter;
4. Work zone is made of SUS304 material, beautiful and corrosion resistance;
5. The front and side Windows are made of 5mm thick tempered glass;
6. The base stand and casters are integrated design, which can be moved safely through the casters and can also be fixed and leveled;
7. 7-inch color touch screen, real-time display of running status (air flow direction, air velocity, running time, UV lamp time, HEPA filter running time, HEPA filter running resistance, temperature and humidity, timer);
8. With the function of appointment timing, it can automatically set the time of starting and shutting down and the disinfection time of ultraviolet lamp;
9. With one key disinfection function, convenient and fast;
10. Perfect alarm system:
(1) Ultra-high filter pressure alarm
(2) Filter failure replacement alarm
11. Interlocking function: UV lamp and front window; UV lamp and fan, fluorescent lamp; fan and front window.

TECHNICAL PARAMETERS

Model	BKCB-H1100S	BKCB-H1300S
External Size(W*D*H)	1100*820*1780mm	1300*820*1780mm
Internal Size(W*D*H)	1000*500*570mm	1200*500*570mm
Work Surface Height	750mm(Customized)	
Safety Height	200mm	
Max Opening	320mm	
Display	LCD display	
Airflow Velocity	0.2~0.45m/s	
Material	Working area: 304 stainless steel; Main body: 1.2mm cold-rolled steel with anti-bacteria powder coating; Front window: 5mm toughened glass, anti-UV.	
Pre-Filter	Polyester fiber	
HEPA Filter	One, 99.995% efficiency at 0.3µm	
Front Window	Manual	
Noise	≤65dB(A)	
Illumination	≥300lx	
Vibration	≤5µm(rms)	
Safety	Colonies Number ≤ 0.5CFU/30min	
Clean Level	ISO Level 5(Class 100)	
Waterproof Sockets	Two sockets, Max. Power: 500W	
Power Supply	AC220V±10%, 50/60Hz(Standard); 110V±10%, 60Hz(Optional)	
Consumption	1200W	1200W
LED Lamp	8W*1	8W*1
UV Lamp	15W*1	15W*1
Standard Accessories	Base stand; LED lamp; UV lamp; Waterproof socket*2.	
Optional Accessories	Motorized Door	
Package Size(W*D*H)	1250*1030*1270mm	1450*1030*1270mm
Gross Weight	235kg	290kg

Horizontal Laminar Flow Cabinet

Herais
Lab Solutions

ADVANTAGE

1. Horizontal laminar flow, single-sided operation;
2. Made of high-quality cold rolled steel plate material, welding structure, surface electrostatic spraying, enhancing the stability of the cabinet;
3. Equipped with pre-filter, which can preliminarily filter large particulate matter, thus improving the service life of HEPA filter;
4. Work zone is made of SUS304 material, beautiful and corrosion resistance;
5. Footmaster casters design, convenient cabinet movement and fixation;
6. LCD screen, real-time display of running status (air velocity, timer, UV lamp time, HEPA filter running time);
7. With ultraviolet lamp, fan appointment timing function;
8. Unit conversion function, which switches units between PA and m/s;
9. The UV lamp is turned on after 5S to protect the safety of the operators;
10. Perfect alarm system:
(1) Ultra-high filter pressure alarm
(2) Filter failure replacement alarm
(3) Low wind speed alarm
11. Interlocking function: UV lamp and fan, fluorescent lamp.

TECHNICAL PARAMETERS

Model	BBS-H800	BBS-H1100 (Previous name: BBS-DDS)	BBS-H1300(X)	BBS-H1500 (Previous name: BBS-SDS)	BBS-H1800(X)
External Size(W*D*H)	800*808*1690mm	1100*808*1690mm	1300*808*1690mm	1500*808*1690mm	1800*808*1890mm
Internal Size(W*D*H)	700*500*600mm	1000*500*600mm	1200*500*600mm	1400*500*600mm	1700*500*800mm
Work Surface Height	750mm				
Display	LCD display				
Airflow Velocity	0.30~0.45m/s				
Material	Working area: 304 stainless steel; Main body: 1.0mm cold-rolled steel with anti-bacteria powder coating; Glass side window: 8mm toughened glass, anti-UV.				
Pre-Filter	Polyester fiber, washable				
HEPA Filter	One, 99.995% efficiency at 0.3μm				
Noise	≤65dB(A)				
Illumination	≥300lx				
Vibration	≤5μm(rms)				
Safety	Colonies Number ≤ 0.5CFU/30min				
Clean Level	ISO Level 5(Class 100)				
Waterproof Sockets	Two sockets, Max. Power: 500W (For BBS-H800/1300); 1000W (For BBS-H1100/1500/1800(X));				
Power Supply	AC220V±10%, 50/60Hz(Standard); 110V±10%, 60Hz(Optional)				
Consumption	750W	1200W	800W	1300W	1400W
LED Lamp	8W*1	12W*1	12W*1	16W*1	16W*2
UV Lamp	20W*1	20W*1	30W*1	30W*1	20W*2
	Emission of 253.7 nanometers				
Standard Accessories	LED lamp; UV lamp*2; Base stand; Waterproof socket*2; Hook*10				
Optional Accessory	Electric height adjustable base stand				
Package Size(W*D*H)	940*1030*1350mm	1240*1030*1350mm	1440*1030*1350mm	1640*1030*1350mm	1940*1030*1550mm
Gross Weight	133kg	175kg	195kg	216kg	255kg

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

Glass side window
The transparent side glass maximizes the lighting and visibility inside the cabinet, providing an open working environment.

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

UV Lamp
Emission of 254 nanometers for most efficient decontamination. The radiation intensity is not less than 400mW/m².

Foot-master Caster
Universal aster with brake and leveling feet.

Horizontal Laminar Flow Cabinet

Temperature and Humidity Sensor

UV Lamp

LED Display
Digital LED Display:
Airflow Level

Footmaster Caster
Universal Caster with
Brake and Leveling Feet

Base Stand

Waterproof Socket

ADVANTAGE

1. The cabinet is designed with a 10° inclination angle, the operation perspective is wide and more humanized.
2. Made of high quality cold rolled steel plate material, welding structure, surface electrostatic spraying, enhancing the stability of the cabinet.
3. Equipped with initial effect filter, which can preliminarily filter large particulate matter, thus improving the service life of the high efficiency filter.
4. Work surface is made of high quality 304 stainless steel material, beautiful and corrosion resistance.
5. The front window adopts 5mm thick tempered glass to better protect the safety of personnel and experiments.
6. The base bracket and casters are integrated design, which can be moved safely through the casters and can also be fixed and leveled.
7. 7-inch color touch screen, real-time display of running status (air flow direction, air velocity, machine running time, UV lamp running time, high efficiency filter running time, high efficiency filter running resistance, operating area temperature and humidity, clock display) at a glance.
8. With the function of appointment timing, it can automatically set the time of starting and shutting down the laminar flow cabinet and the disinfection time of ultraviolet lamp.
9. With a key disinfection function, convenient and fast, greatly saving the work time and improving the work efficiency.
10. Perfect alarm system:
(1) Ultra-high filter pressure alarm: when the filter resistance increases, sound alarm will be issued.
(2) Filter failure replacement alarm: when the filter service life expires, there will be a filter replacement sound alarm.

TECHNICAL PARAMETERS

Model	BKCB-H1500	BKCB-H1800
Flow Mode	Horizontal Flow	
Number of Users	1~2	1~3
Rated Power	1000VA (including operating area socket load 500VA)	2000VA (including operating area socket load 500VA)
Power Supply	220V±10%, 50Hz (Standard); 110±10%V, 60Hz (Optional)	
Airflow Velocity	0.2m/s~0.45m/s	
Noise	≤65dB（A）	
Lighting	≥300lx	
Vibration	≤5μm(rms)	
Safety	Colonies Number ≤ 0.5CFU/30min	
Clean Grade	ISO Level 5（100 levels)	
Filtration Efficiency	HEPA (H14) high efficiency filter, filtration efficiency for 0.3μm particle≥99.995%	
Work Surface Height	750mm(Customized)	
Standard Accessory	LED lamp*2, UV lamp*2, Base stand, Waterproof socket*2, Temperature and humidity sensor	
Optional Accessory	Armrest*2	
Net Weight	220kg	260kg
Gross Weight	299kg	355kg
External Size(W*D*H)	1500*800*1730mm	1800*800*1930mm
Internal Size(W*D*H)	1400*500*600mm	1700*500*730mm
Package Size(W*D*H)	1760*1010*1340mm	2060*1010*1500mm

Herais
Lab Solutions

ETL Certified Vertical Laminar Flow Cabinet
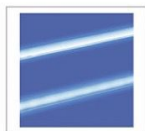
UV Lamp
Emission of 253,7nanometers
For most efficient decontamination

Footmaster Caster
Universal caster with brake and leveling feet

Waterproof Socket
America Standard

Wind Speed Sensor
Direct measurement of wind speed

ADVANTAGE

1. ETL certified, Satisfy North American market.
2. With memory function in case of power-failure.
3. Audio and visual alarm(Abnormal airflow velocity).
4. Interlock function: UV Lamp and blower, LED Lamp.

TECHNICAL PARAMETERS

Model	BBS-V800	BBS-V1100	BBS-V1300	BBS-V1500	BBS-V1800
External Size(W*D*H)	800*700*(2090~2340)mm	1100*700*(2090~2340)mm	1300*700*(2090~2340)mm	1500*700*(2090~2340)mm	1800*700*(2090~2340)mm
Internal Size(W*D*H)	700*575*625mm	1000*575*625mm	1200*575*625mm	1400*575*625mm	1700*575*625mm
Work Surface Height	760~1010mm				
Max Opening	480mm				
Display	LCD Display				
Airflow Velocity	80~99fpm				
Material	Working area: 304stainless Steel Main Body: Cold-rolled steel with anti-bacteria powder coating. Front Window: Motorized, 5mm toughened glass, anti-UV				
Pre-Filter	Polyester fiber				
HEPA Filter	One, 99.995% efficiency at 0.3μm				
Noise	≤68dB(A)				
Illumination	≥300lx				
Waterproof Sockets	One socket (Double type), America standard, Max.Power: 500W				
Power Supply	103.5~126.5V, 60Hz, 10A				
Consumption	900W	1110W	1110W	1110W	1250W
UV Lamp	20W*1	30W*1	30W*1	40W*1	40W*1
LED Lamp	10W*1	14W*1	14W*1	18W*1	22W*1
Standard Accessory	Manually height adjustable base stand, LED lamp, UV lamp, wind speed sensor, waterproof socket				
Package Size（W*D*H)	945*990*1610mm	1245*990*1610mm	1445*990*1610mm	1645*990*1610mm	1945*990*1610mm
Gross Weight	190kg	230kg	265kg	280kg	320kg

Vertical Laminar Flow Cabinet

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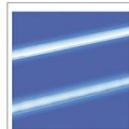Airflow velocity, UV timer, UV work time, system work time, real time.

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	99.995% efficiency at 0.3μm	
Noise	<65dB	
Front Window	Motorized	
Max Opening	430mm	430mm
LED Lamp	12W*1	16W*1
UV Lamp	30W*1	40W*1
	Emission of 253.7 nanometers	
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

ADVANTAGE

1. Vertical laminar flow, single-sided operation;
2. Made of high-quality cold rolled steel plate material, welding structure, surface electrostatic spraying, enhancing the stability of the cabinet;
3. Equipped with pre-filter, which can preliminarily filter large particulate matter, thus improving the service life of HEPA filter;
4. Work zone is made of SUS304 material, beautiful and corrosion resistance;
5. The front and side Windows are made of 5mm thick tempered glass;
6. Footmaster casters design, convenient cabinet movement and fixation;
7. LCD screen, real-time display of running status (air velocity, timer, UV lamp time, HEPA filter running time);
8. With ultraviolet lamp, fan appointment timing function;
9. Unit conversion function, which switches units between PA and m/s;
10. Equipped with UV light, LED light, waterproof sockets;
11. Perfect alarm system:
(1) Ultra-high filter pressure alarm
(2) Filter failure replacement alarm
(3) Low wind speed alarm
12. Interlocking function: UV lamp and front window; UV lamp and fan, fluorescent lamp; fan and front window.

TECHNICAL PARAMETERS

Model	BBS-V1300-I	BBS-V1800-I
External Size(W*D*H)	1300*750*1960mm	1800*750*1960mm
Internal Size(W*D*H)	1200*665*615mm	1700*665*615mm
Work Surface Height	750mm	
Max Opening	430mm	
Display	LCD display	
Airflow Velocity	0.30~0.45m/s	
Material	Working area: 304 stainless steel; Main body: 1.0mm cold-rolled steel with anti-bacteria powder coating; Front window: 5mm toughened glass, anti-UV.	
Pre-Filter	Polyester fiber	
HEPA Filter	One, 99.995% efficiency at 0.3μm	
Front Window	Motorized	
Noise	≤65dB(A)	
Illumination	≥300lx	
Vibration	≤5μm(rms)	
Safety	Colonies Number ≤ 0.5CFU/30min	
Clean Level	ISO Level 5(Class 100)	
Waterproof Sockets	Two sockets, Max. Power: 1000W	
Power Supply	AC220V±10%, 50/60Hz(Standard); 110V±10%, 60Hz(Optional)	
Consumption	1400W	1450W
LED Lamp	12W*1	16W*1
UV Lamp	30W*1	40W*1
Standard Accessories	Base stand; LED lamp; UV lamp; Waterproof socket*2; Gas tap	
Package Size(W*D*H)	1440*1070*1650mm	1940*1070*1650mm
Gross Weight	218kg	330kg

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

Glass side window
The transparent side glass maximizes the lighting and visibility inside the cabinet, providing an open working environment.
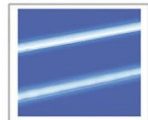
Gas Tap

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

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination. The radiation intensity is not less than 400mW/m².

Foot-master Caster
Universal aster with brake and leveling feet.

![Herais Lab Solutions logo]

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*1640mm	1060*620*1850mm	1460*620*1850mm
Internal Size (W*D*H)	630*375*615mm	800*530*540mm	935*530*650mm	1335*530*650mm
Work Surface Height	/	750mm	750mm	750mm
Display	LED Display		LCD Display	
Airflow Velocity	Average of 0.3~0.5m/s, air speed adjustable		Average of 0.3~0.45m/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	99.995% efficiency at 0.3 μm			
Noise	<65dB			
Front Window	/	Manual, 5mm toughened glass, anti-UV		
Max Opening	/	490mm	400mm	400mm
Illuminating Lamp	Fluorescent lamp	LED lamp	LED lamp	LED lamp
	8W*1	8W*1	12W*1	16W*1
UV Lamp	15W*1	20W*1	20W*1	40W*1
	Emission of 253.7 nanometers			
Consumption	160W	350W	150W	250W
Standard Accessory	Fluorescent lamp	LED lamp	LED lamp	LED lamp
	UV lamp*2	UV lamp*2	UV lamp*2	UV lamp*2
	Water & gas tap	Base stand	Base stand	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	75kg	116kg	177kg	224kg
Package Size (W*D*H)	840*570*1360mm	960*930*1200mm	1235*920*1355mm	1635*920*1355mm

Vertical Laminar Flow Cabinet

LCD Display
7-inch color touch screen, real-time display of running status

Wind Speed Sensor
High precision wind speed sensor, can be real-time wind speed detection.

Pressure Sensor
High precision pressure sensor, can be real-time pressure detection.

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

Foot-master Caster
Universal aster with brake and leveling feet.

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination. The radiation intensity is not less than 400mW/m².

ADVANTAGE

1. Made of high-quality cold rolled steel plate material, welding structure, surface electrostatic spraying, enhancing the stability of the cabinet;
2. Equipped with pre-filter, which can preliminarily filter large particulate matter, thus improving the service life of HEPA filter;
3. Work zone is made of SUS304 material, beautiful and corrosion resistance;
4. The front and side Windows are made of 5mm thick tempered glass;
5. The base stand and casters are integrated design, which can be moved safely through the casters and can also be fixed and leveled;
6. 7-inch color touch screen, password configurable, real-time display of running status (air velocity, pressure, timer, UV lamp time, HEPA filter running time, running state);
7. With ultraviolet lamp, fan appointment timing function;
8. Equipped with wind speed sensor, display real-time wind speed, more accurate;
9. Perfect alarm system:
(1) Ultra-high filter pressure alarm
(2) Filter failure replacement alarm
(3) Front window opening safe height alarm
(4) Low wind speed alarm
10. Interlocking function: UV lamp and front window; UV lamp and fan, fluorescent lamp; fan and front window.

TECHNICAL PARAMETERS

Model	BBS-DDC-S	BBS-SDC-S
External Size(W*D*H)	1060*620*1850mm	1460*620*1850mm
Internal Size(W*D*H)	935*530*650mm	1335*530*650mm
Work Surface Height	750mm	
Safety Height	200~350mm	
Max Opening	400mm	
Display	7-inch color touch screen	
Airflow Velocity	0.30~0.45m/s	
Material	Working area: 304 stainless steel; Main body: 1.0mm cold-rolled steel with anti-bacteria powder coating; Front window: 5mm toughened glass, anti-UV.	
Pre-Filter	Polyester fiber	
HEPA Filter	One, 99.995% efficiency at 0.3μm	
Front Window	Manual	
Noise	≤65dB(A)	
Illumination	≥300lx	
Vibration	≤5μm(rms)	
Safety	Colonies Number ≤ 0.5CFU/30min	
Clean Level	ISO Level 5(Class 100)	
Waterproof Sockets	Two sockets, Max. Power: 1000W	
Power Supply	AC220V±10%, 50/60Hz(Standard); 110V±10%, 60Hz(Optional)	
Consumption	1150W	1250W
LED Lamp	12W*1	16W*1
UV Lamp	20W*1	40W*1
Standard Accessories	Base stand; LED lamp; UV lamp; Waterproof socket*2.	
Package Size(W*D*H)	1240*900*1350mm	1640*900*1350mm
Gross Weight	185kg	231kg

Vertical Laminar Flow Cabinet

ADVANTAGE

1. Vertical laminar flow, double-sided operation;
2. Made of high-quality cold rolled steel plate material, welding structure, surface electrostatic spraying, enhancing the stability of the cabinet;
3. Equipped with pre-filter, which can preliminarily filter large particulate matter, thus improving the service life of HEPA filter;
4. Work zone is made of SUS304 material, beautiful and corrosion resistance;
5. The front and side Windows are made of 5mm thick tempered glass;
6. Footmaster casters design, convenient cabinet movement and fixation;
7. LCD screen, real-time display of running status (air velocity, timer, UV lamp time, HEPA filter running time);
8. With ultraviolet lamp, fan appointment timing function;
9. Unit conversion function, which switches units between PA and m/s;
10. The UV lamp is turned on after 5S to protect the safety of the operators;
11. Perfect alarm system:
(1) Ultra-high filter pressure alarm
(2) Filter failure replacement alarm
(3) Front window opening safe height alarm
(4) Low wind speed alarm
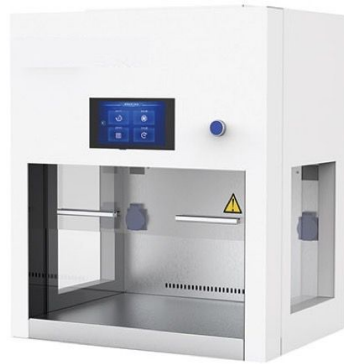12. Interlocking function: UV lamp and front window; UV lamp and fan, fluorescent lamp; fan and front window.

TECHNICAL PARAMETERS

Model	BBS-DSC-M	BBS-SSC-M
External Size(W*D*H)	1100*760*1850mm	1500*760*1850mm
Internal Size(W*D*H)	940*650*615mm	1340*650*615mm
Work Surface Height	750mm	
Safety Height	200~350mm	
Max Opening	400mm	
Display	LCD display	
Airflow Velocity	0.30~0.45m/s	
Material	Working area: 304 stainless steel; Main body: 1.0mm cold-rolled steel with anti-bacteria powder coating; Front window: 5mm toughened glass, anti-UV.	
Pre-Filter	Polyester fiber	
HEPA Filter	One, 99.995% efficiency at 0.3μm	
Front Window	Manual	
Noise	≤65dB(A)	
Illumination	≥300lx	
Vibration	≤5μm(rms)	
Safety	Colonies Number ≤ 0.5CFU/30min	
Clean Level	ISO Level 5(Class 100)	
Waterproof Sockets	Two sockets, Max. Power: 1000W	
Power Supply	AC220V±10%, 50/60Hz(Standard); 110V±10%, 60Hz(Optional)	
Consumption	1150W	1250W
LED Lamp	12W*1	16W*1
UV Lamp	20W*1	40W*1
Standard Accessories	Base stand; LED lamp; UV lamp; Waterproof socket*2.	
Package Size(W*D*H)	1240*1030*1350mm	1640*1030*1350mm
Gross Weight	195kg	231kg

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

Double door design
The operator can operate from both sides. The efficiency of clean table is improved.

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

Foot-master Caster
Universal aster with brake and leveling feet.

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination. The radiation intensity is not less than 400mW/m².

Vertical Laminar Flow Cabinet
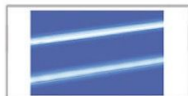
BKCB-V500

BKCB-V600

7-inch Color Touch Screen
Airflow Level

The Display of BKCB-V500

UV Lamp

Waterproof Socket

The Side Window

ADVANTAGE

1. The cabinet is designed with a vertical surface, the operation perspective is wide and more humanized.
2. Made of high quality cold rolled steel plate material, welding structure, surface electrostatic spraying, enhancing the stability of the cabinet.
3. Equipped with initial effect filter, which can preliminarily filter large particulate matter, thus improving the service life of the high efficiency filter.
4. Work surface is made of high quality 304 stainless steel material, beautiful and corrosion resistance.
5. The working area adopts four sides (left and right sides, rear, bottom) positive pressure surround design, effectively protect product safety.
6. The front window adopts 5mm thick tempered glass to better protect the safety of personnel and experiments.
7. The side windows are made of 5mm thick toughened glass to enhance the lighting permeability of the operation area.
8. The hidden weight structure, manual front window, realizing freely adjusting the opening height of the front window.
9. 7-inch color touch screen, real-time display of running status (air flow direction, air velocity, machine running time, UV lamp running time, high efficiency filter running time, high efficiency filter running resistance, operating area temperature and humidity, clock display) at a glance.
10. With the function of appointment timing, it can automatically set the time of starting and shutting down the laminar flow cabinet and the disinfection time of ultraviolet lamp.
11. With a key disinfection function, convenient and fast, greatly saving the work time and improving the work efficiency.
12. Perfect alarm system:
(1) The front window is not set height alarm: the front window is set height of 200mm, when the front window is not in the height position and the bottom position, sound alarm will be issued.
(2) Ultra-high filter pressure alarm: when the filter resistance increases, sound alarm will be issued.
(3) Filter failure replacement alarm: when the filter service life expires, there will be a filter replacement sound alarm.
13. Safety interlock protection:
(1) Fan and front window interlock: when the front window door falls to the bottom, the fan will automatically close.
(2) The ultraviolet lamp, the front window and the lamp interlock: the front window door falls to the bottom and the lamp is not opened, the ultraviolet lamp can be opened to avoid the misoperation of the ultraviolet lamp causing harm to the human body.

TECHNICAL PARAMETERS

Model	BKCB-V500	BKCB-V600
Flow Mode	Vertical Flow	
Number of Users	Single	
Rated Power	620VA (including operating area socket load 500VA)	650VA (including operating area socket load 500VA)
Power Supply	220V±10%, 50Hz (Standard); 110±10%V, 60Hz (Optional)	
Airflow Velocity	0.2 m/s~0.45 m/s	
Noise	≤65dB（A）	
Lighting	≥300lx	
Vibration	≤5μm(rms)	
Safety	Colonies Number ≤ 0.5CFU/30min	
Clean Grade	ISO Level 5（100 levels）	
Filtration Efficiency	HEPA (H14) high efficiency filter, filtration efficiency for 0.3μm particle≥99.995%	
Front Window Safety Height	200mm	
Max Opening	260mm	240mm
Standard Accessory	LED lamp*1, UV lamp*2	LED lamp*2, UV lamp*2, Waterproof socket*2
Optional Accessory	Armrest*2	
Net Weight	45kg	50kg
Gross Weight	57kg	62kg
External Size(W*D*H)	550mm*460mm*700mm	600*460*710mm
Internal Size(W*D*H)	480mm*340mm*370mm	510*355*375mm
Package Size(W*D*H)	740*600*890mm	

Vertical Laminar Flow Cabinet

7-inch Color Touch Screen
Airflow Level
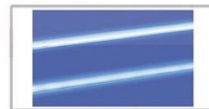
UV Lamp

Base Stand

Footmaster Caster
Universal Caster with Brake and Leveling Feet

ADVANTAGE

1. The cabinet is designed with a vertical surface, the operation perspective is wide and more humanized.
2. Made of high quality cold rolled steel plate material, welding structure, surface electrostatic spraying, enhancing the stability of the cabinet.
3. Equipped with initial effect filter, which can preliminarily filter large particulate matter, thus improving the service life of the high efficiency filter.
4. Work surface is made of high quality 304 stainless steel material, beautiful and corrosion resistance.
5. The working area adopts four sides (left and right sides, rear, bottom) positive pressure surround design, effectively protect product safety.
6. The front window adopts 5mm thick tempered glass to better protect the safety of personnel and experiments.
7. The side windows are made of 5mm thick toughened glass to enhance the lighting permeability of the operation area.
8. The hidden weight structure, manual front window, realizing freely adjusting the opening height of the front window.
9. The base bracket and casters are integrated design, which can be moved safely through the casters and can also be fixed and leveled.
10. 7-inch color touch screen, real-time display of running status (air flow direction, air velocity, machine running time, UV lamp running time, high efficiency filter running time, high efficiency filter running resistance, operating area temperature and humidity, clock display) at a glance.
11. With the function of appointment timing, it can automatically set the time of starting and shutting down the laminar flow cabinet and the disinfection time of ultraviolet lamp.
12. With a key disinfection function, convenient and fast, greatly saving the work time and improving the work efficiency.
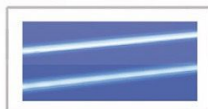
TECHNICAL PARAMETERS

Model	BKCB-V900
Flow Mode	Vertical Flow
Number of Users	Single
Rated Power	150VA
Power Supply	220V±10%, 50Hz (Standard); 110±10%V, 60Hz (Optional)
Airflow Velocity	0.2 m/s~0.45 m/s
Noise	≤65dB（A)
Lighting	≥300lx
Vibration	≤5μm(rms)
Safety	Colonies Number ≤ 0.5CFU/30min
Clean Grade	ISO Level 5（100 levels)
Filtration Efficiency	HEPA (H14) high efficiency filter, filtration efficiency for 0.3μm particle≥99.995%
Front Window Safety Height	200mm
Max Opening	350mm
Work Surface Height	750mm(Customized)
Standard Accessory	LED lamp*2, UV lamp*2, Base stand
Net Weight	175kg
Gross Weight	225kg
External Size(W*D*H)	900*630*1760mm
Internal Size(W*D*H)	800*515*550mm
Package Size(W*D*H)	1060*910*1275mm

Vertical Laminar Flow Cabinet

ADVANTAGE

1. The cabinet is designed with a vertical surface, the operation perspective is wide and more humanized.
2. Made of high quality cold rolled steel plate material, welding structure, surface electrostatic spraying, enhancing the stability of the cabinet.
3. Equipped with initial effect filter, which can preliminarily filter large particulate matter, thus improving the service life of the high efficiency filter.
4. Work surface is made of high quality 304 stainless steel material, beautiful and corrosion resistance.
5. The working area adopts four sides (left and right sides, rear, bottom) positive pressure surround design, effectively protect product safety.
6. The front window adopts 5mm thick tempered glass to better protect the safety of personnel and experiments.
7. The side windows are made of 5mm thick toughened glass to enhance the lighting permeability of the operation area.
8. The hidden weight structure, manual front window, realizing freely adjusting the opening height of the front window.
9. The base bracket and casters are integrated design, which can be moved safely through the casters and can also be fixed and leveled.
10. 7-inch color touch screen, real-time display of running status (air flow direction, air velocity, machine running time, UV lamp running time, high efficiency filter running time, high efficiency filter running resistance, operating area temperature and humidity, clock display) at a glance.
11. With the function of appointment timing, it can automatically set the time of starting and shutting down the laminar flow cabinet and the disinfection time of ultraviolet lamp.
12. With a key disinfection function, convenient and fast, greatly saving the work time and improving the work efficiency.
13. Perfect alarm system:
(1) The front window is not set height alarm: the front window is set height of 200mm, when the front window is not in the height position and the bottom position, sound alarm will be issued.
(2) Ultra-high filter pressure alarm: when the filter resistance increases, sound alarm will be issued.
(3) Filter failure replacement alarm: when the filter service life expires, there will be a filter replacement sound alarm.
14. Safety interlock protection:
(1) Fan and front window interlock: when the front window door falls to the bottom, the fan will automatically close.
(2) The ultraviolet lamp, the front window and the lamp interlock: the front window door falls to the bottom and the lamp is not opened, the ultraviolet lamp can be opened to avoid the misoperation of the ultraviolet lamp causing harm to the human body.

TECHNICAL PARAMETERS

Model	BKCB-V1100	BKCB-V1300	BKCB-V1500
Flow Mode	Vertical Flow		
Number of Users	Single	1~2	
Rated Power	700VA (including operating area socket load 500VA)		850VA (including operating area socket load 500VA)
Power Supply	220V±10%, 50Hz (Standard); 110±10%V, 60Hz(Optional)		
Airflow Velocity	0.2 m/s~0.45 m/s		
Noise	≤65dB（A）		
Lighting	≥300lx		
Vibration	≤5μm(rms)		
Safety	Colonies Number ≤ 0.5CFU/30min		
Clean Grade	ISO Level 5（100 levels）		
Filtration Efficiency	HEPA (H14) high efficiency filter, filtration efficiency for 0.3μm particle≥99.995%		
Front Window Safety Height	200mm		
Max Opening	350mm		
Work Surface Height	750mm(Customized)		
Standard Accessory	LED lamp*2, UV lamp*2, Base stand, Waterproof socket*2		
Optional Accessory	Armrest*2		
Net Weight	190kg	225kg	235kg
Gross Weight	248kg	289kg	308kg
External Size(W*D*H)	1100*630*1860mm	1300*630*1860mm	1500*630*1860mm
Internal Size(W*D*H)	1000*515*650mm	1200*515*650mm	1400*515*650mm
Package Size(W*D*H)	1250*840*1420mm	1450*840*1420mm	1650*840*1420mm

7-inch Color Touch Screen
Airflow Level

UV Lamp

Base Stand

Waterproof Socket

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Vertical Laminar Flow Cabinet

LCD Display
Airflow velocity, UV timer, UV work time, system work time, real time.
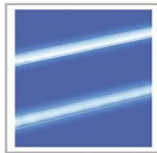
Waterproof Socket
2 waterproof sockets are located in the back panel, for optimum convenience of using small devices inside the cabinet.

UV Lamp
Emission of 253.7 nanometersfor most effcient decontamination. The radiation intensity is not less than 400mW/m2

Footmaster Caster
Universal aster with brake and leveling feet

ADVANTAGE

1. Adjustable air speed: 8 levels.
2. 7° slope front ergonomics design, fatigue-free working posture.
3. Interlock function: UV Lamp and blower, LED Lamp.
4. UV lamp starts after 5 seconds delay. Protect operator safety.
5. With UV lamp, fan appointment timing function.
6. Set the safe height of the front window opening, and alarm when it is lower or higher than the safe height. Ensure that the performance of the equipment is stable.
7. Footmaster casters design, convenient cabinet movement and fixation.

TECHNICAL PARAMETERS

Model	BBS-V800-X	BBS-V1300-X	BBS-V1800-X
External Size(W*D*H)	800*710*1850mm	1300*710*1850mm	1800*710*1850mm
Internal Size(W*D*H)	700*575*625mm	1200*575*625mm	1700*575*625mm
Work Surface Height	750mm		
Max Opening	400mm		
Display	LCD display		
Airflow Velocity	0.3~0.45m/s		
Material	Working area: 304 stainless steel. Main body: 1.2mm cold-rolled steel with anti-bacteria powder coating. Front window: 5mm toughened glass, anti-UV.		
Pre-Filter	Polyester fiber		
HEPA Filter	One, 99.995% efficiency at 0.3µm		
Noise	≤65dB(A)		
Illumination	≥300lx		
Waterproof Sockets	Two sockets, Max. Power: 500W		
Power Supply	AC220V±10%, 50/60Hz(Standard); 110V±10%, 60Hz(Optional)		
Consumption	650W	750W	900W
LED Lamp	8W*1	12W*1	16W*1
UV Lamp	20W*1	30W*1	40W*1
Standard Accessories	Base stand; LED lamp; UV lamp; Waterproof socket*2.		
Optional Accessories	/		Camera, scanner, tablet computer
Package Size(W*D*H)	940*980*1350mm	1440*980*1350mm	1940*980*1350mm
Gross Weight	140kg	220kg	280kg

Compounding Hood
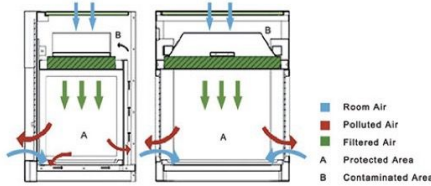

BBS-V500 & BYKG-VII

BBS-V600 & BYKG-VIII

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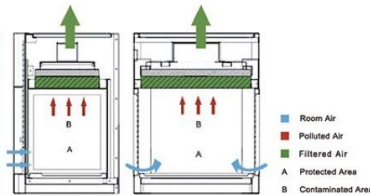BYKG-X & BYKG-XII

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	

- Room Air
- Polluted Air
- Filtered Air
- A Protected Area
- B Contaminated Area

- 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			

- Room Air
- Polluted Air
- Filtered Air
- A Protected Area
- B Contaminated Area

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	304 stainless steel				Solid physicochemical steel plate			
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		300mm		590mm		660mm			
LED Lamp		4W*1				4W*2		12W*1	
UV Lamp		8W*1				15W*1	15W*1 (Optional)		
		Emission of 253.7 nanometers							
Consumption		100W		150W		300W	200W		400W
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, Waterproof Socket.	HEPA Filter, LED lamp*2, UV lamp*2	Active Carbon Filter, HEPA Filter(only fpr BYKG-X BYKG-XII) LED Lamp*1,(LED Lamp*2 for BYKG-IX) 4 Meters PVC exhaust duct,diameter: 250mm		
Optional Accessory		/		Base stand		Base Stand, UV Lamp*2			
Gross Weight		57kg		90kg		100kg		145kg	190kg
Package Size (W*D*H)		700*610*925mm		760*740*1280mm		840*760*1400mm		1140*740*1340mm	1340*740*1360mm

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Lab Solutions

CE ISO 9001 ISO 14001 ISO 13485

PP Vertical Laminar Flow Cabinet

TECHNICAL PARAMETERS

Model	BKCB-800P
External Size (W*D*H)	800*710*1800mm
Internal Size (W*D*H)	780*540*550mm
Work Surface Height	750mm
Material	Main Body: Made of Porcelain white PP, thickness 8mm, resistant to strong acid, alkali and anti-corrosion. Work Table: Seamlessly welded with 12mm thick PP plate
Front & Side Windows	5mm toughened glass, anti-UV, Manual
Pre-Filter	Polyester fiber, Washable
Filter Size (W*D*H)	560*340*46mm
HEPA Filter	99.995% efficiency at 0.3μm
Airflow Velocity	0.3~0.5m/s
Noise	≤65dB
Max. Opening	400mm
UV Lamp	20W*1, Emission of 253.7 nanometers, with UV time
LED Lamp	8W
Illumination	≥350lx
Caster	Foot master Caster
Waterproof Socket	Two, total load≤500W
Consumption	650W
Standard Accessory	UV lamp; Led lamp; Base stand; Waterproof socket*1
Power Supply	220V,50/60Hz (Standard); 110V,60Hz(Optional)
Package Size (W*D*H)	1000*900*1300mm
Gross Weight	90kg

ADVANTAGE

1. Made of PP material, integrally welded
2. Resistant to strong acid, alkali and strong corrosion
3. With memory function in case of power-failure
4. Interlock function: UV Lamp and blower, LED Lamp
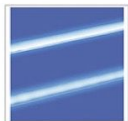5. The work surface is seamlessly welded with 12mm thick PP plate, which is convenient for overall cleaning

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

Waterproof Socket
Waterproof sockets is located in the back panel, for optimum convenience of using small devices inside the cabinet.

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

Footmaster Caster
Universal caster with brake and leveling feet

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
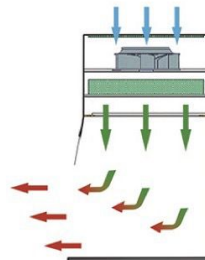
■ Polluted Air
■ HEPA Filtered Air
■ Room Air

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	99.995% 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				
LED Lamp	8W*2		12W*2		
Illumination	≥350lx				
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	168kg	178kg	220kg	231kg	250kg
Package Size (W*D*H)	960*940*1450mm	1150*930*1450mm	1350*930*1450mm	1450*930*1450mm	1650*930*1450mm

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.
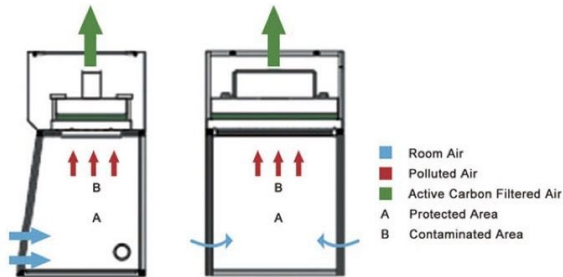
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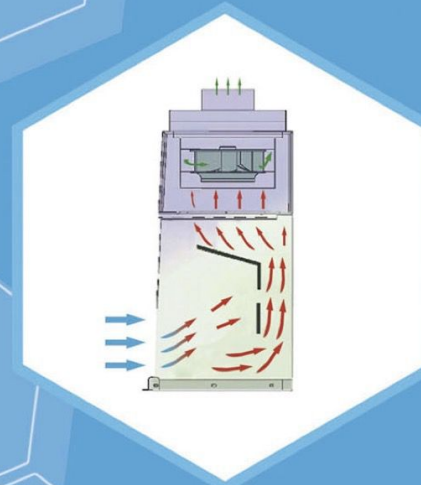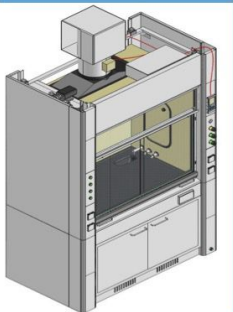
Ducted Fume Hood

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

Air Flow Pattern:

■	Room Air
■	Polluted Air
■	Active Carbon Filtered Air
A	Protected Area
B	Contaminated Area

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

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, flamable 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		≤65dB
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, 4.3 meters PVC exhaust duct, Pipe strap
Optional Accessory		15W UV lamp, HEPA filter, Base stand
Gross Weight without Base Stand		100kg
Gross Weight with Base Stand		115kg
Package Size without Base Stand (W*D*H)		840*760*1400mm
Package Size with Base Stand (W*D*H)		840*960*1400mm

Ductless PP Fume Hood

FEATURES

1. The case is made of 8mmPP plate, with good finish and corrosion resistance.

2. The front window has 8°physiological incline, ergonomic design, larger viewing angle.

3. The front window is foldable acrylic window, and the lower acrylic window has the function of stopping at will.

4. Electronic control system with anti-overload, anti-shock and other functions, stable performance, long service life.

5. With power failure memory function, that is, when encountering a sudden power failure, power again can maintain the working state before the power failure, convenient experimental operation.

TECHNICAL PARAMETERS

Model	FH700(PD)
External Size	700*700*1100mm
Internal Size	680*606*688mm
Max Opening	640mm
Airflow Volume	230 m³/h
Air Velocity	0.3~0.8m/s
Noise	≤65dB(A)
LED Lamp	15W
Illumination	≥400lx
Blower	Built-in centrifugal blower
Power Supply	220V, 50/60Hz
Consumption	150W
Material	Main Body: PP plate, thickness 8mm Work Table: Chemical resistant phenolic resin
Standard Accessory	Active carbon filter*2
Optional Accessory	Water tap, Gas tap, Water sink, Base stand, UV lamp, HEPA filter
Net Weight	67kg
Gross Weight	87kg
Package Size	820*820*1280mm

Ductless PP Fume Hood

FEATURES

1. The case is made of 8mmPP plate, with good finish and corrosion resistance.

2. The front window has 8°physiological incline, ergonomic design, larger viewing angle.

3. The front window is foldable acrylic window, and the lower acrylic window has the function of stopping at will.

4. Electronic control system with anti-overload, anti-shock and other functions, stable performance, long service life.

5. With power failure memory function, that is, when encountering a sudden power failure, power again can maintain the working state before the power failure, convenient experimental operation.

TECHNICAL PARAMETERS

Model	FH1000(PD)
External Size	1000*700*1100mm
Internal Size	980*606*688mm
Max Opening	640mm
Airflow Volume	230 m³/h
Air Velocity	0.3~0.8m/s
Noise	≤65dB(A)
LED Lamp	15W
Illumination	≥400lx
Blower	Built-in centrifugal blower
Power Supply	220V, 50/60Hz
Consumption	150W
Material	Main Body: PP plate, thickness 8mm Work Table: Chemical resistant phenolic resin
Standard Accessory	Active carbon filter*2
Optional Accessory	Water tap, Gas tap, Water sink, Base stand, UV lamp, HEPA filter
Net Weight	85kg
Gross Weight	115kg
Package Size	1120*820*1280mm

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; 4.3 meters,Φ300mm			
Pipe Strap		2 pcs			
LED Lamp		20W *1		40W *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 anti-bacterial powder coating			
	Interior	Compact laminate board with good acid and alkali resistance function			
	Work table	Chemical resistant phenolic resin			
Standard Accessory		PP Water sink, Total load of 2 waterproof sockets: 500w, Base cabinet, Water tap, 4 meters Exhaust duct(φ300mm).			
Optional Accessory		Air supply flow control valve, gas faucet.			
Gross Weight		270kg	305kg	335kg	365kg
Package	Main Body	1140*940*1900mm	1340*940*1900mm	1640*940*1900mm	1940*940*1900mm
	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

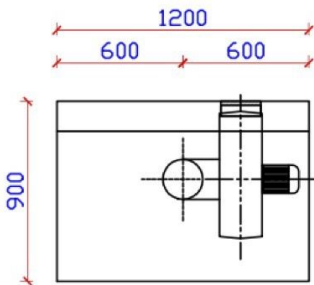**Ducted Fume Hood**

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

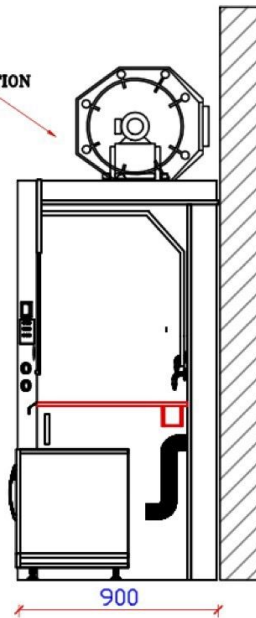| Model		FH1000(A)	FH1200(A)	FH1500(A)	FH1800(A)
External Size (W*D*H)		1040*800*2200mm	1240*800*2200mm	1540*800*2200mm	1840*800*2200mm
Internal Size (W*D*H)		820*670*730mm	1020*670*730mm	1320*670*730mm	1620*670*730mm
Work Surface Height		850mm			
Max Opening		520mm			
Air Velocity		0.3~0.8m/s			
Exhaust Air Volume		590m³/h	730m³/h	950m³/h	1170m³/h
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	Compact laminate 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			
		4.3 meter PVC exhaust duct, pipe strap*2			
Optional Accessory		Active carbon filter, HEPA filter			
Gross Weight		286kg	317kg	350kg	400kg
Package	Main Body	1190*990*1690mm	1390*990*1690mm	1690*990*1690mm	1990*990*1690mm
	Base Cabinet	1190*990*900mm	1390*990*900mm	1690*990*900mm	1990*990*900mm
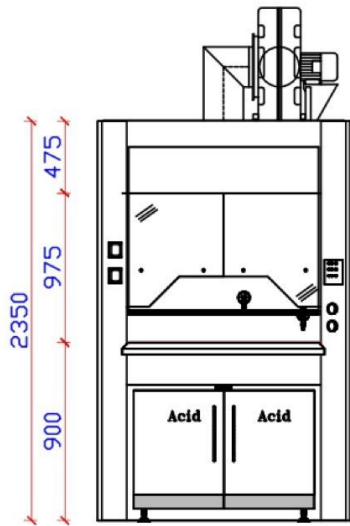
LED Display

Waterproof Socket

Water&Gas Remote Control

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

Herais Lab Solutions

FRONT ELEVATION

2350
475
975
900

PLAN VIEW
50120HE-90

1200
600 600
900

EXHAUST FAN CAN BE ROTATE AT ANY DIRECTION ACCORDING TO THE DUCT POSITION

SIDE VIEW

900

Acid   Acid

PERSPECTIVE VIEW

Acid   Acid
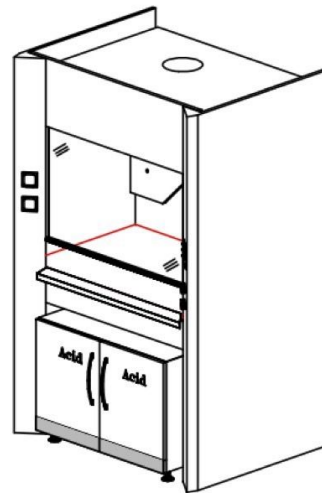
FUME CUPBOARD-1200 (FH-1200) TECHNICAL DATA

Dimension : 1200x900x2350mm(LxDxH)

Top
- 19 mm CHEMICAL RESISTANT EPOXY RESIN TOP.
- 20 mm THICK PHENOLIC RESIN TOP.
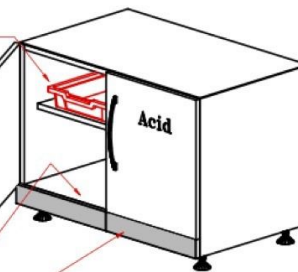- 25 mm THICK STAINLESS STEEL TOP.
- 19-25 mm CERAMIC TOP.

—) BODY COMPLETELY MADE OF 1.5mm THICK EPOXY POWDER COATED COLD ROLLED STEEL SHEET.

—) INCLUDING TEMPERED GLASS DOORS OPEN VERTICAL AND HORIZONTAL POSITION.

—) INCLUDING GAS,COMPRESSED AIR TAP,VACUUM TAP&WATER TAP (MADE BY TOF-ITALY),AND INCLUDING 4nos ELECTRICAL SOCKETS WITH WATER PROOF SYSTEM.

—) INCLUDING DRIP CUP SINK COLD WATER OUTLET.

—) INCLUDING 2nos OF FLUORESCENT LIGHTS.

—) AIRFLOW MONITOR INCLUDED CONTROL.

—) INCLUDING UNDER BENCH ACID/BAS CABINETS COVERED BY 9mm THICK PP MATERIALS.

—) INCLUDING MOTOR FAN AND DUCTS.(SEAT-FRANCE or PLASTIFER - ITALY or HOLUS -GERMANY). WITH TOTAL EXHAUST 1000-1200CFM. SOUNDLESS TYPE. COMPLY WITHEN 14173-T3/EN 14175, COATED STEEL INTERIOR ,ONE PIECE SASH WITH PANELS MADE OF LAMINATED SAFETY GLASS, LOW AIR FLOW RATE ,CONTROLLED BY DIGITAL AIR FLOW MONITOR ,AUTOMATIC FRONT SASH CONTROLLER SUITABLE FOR HANDLING RADIOACTIVE SUBSTANCES AND STRONG , CONCENTRATED MINERAL ACIDS.

—) CARBON FILTERS FOR APPLICATIONS INVOLVING XYLENE AND OTHER ORGANIC SOLVENTS.

—) VAV SYSTEM CONTROL WITH DAMPER .XYLENE AND OTHER ORGANIC SOLVENTS.

—) FACE VELOCITY : 100FPM.

—) INCLUDING CHEMICAL RESISTANT DUCTING SYSTEM (STAINLESS STEEL or UPVC) :200-250mm DIA.

THE FUME HOOD SHALL CONFORM TO OCCUPATIONAL HEALTH &SAFETY (OSHA) STANDARD.

ACID/BAS CABINET

PP FOLDABLE TRAY

CORE MATERIAL MADE FROM: 1.5mm THICK COOLED ROLLED STEEL SHEET WITH EPOXY POWDER COATED

Acid

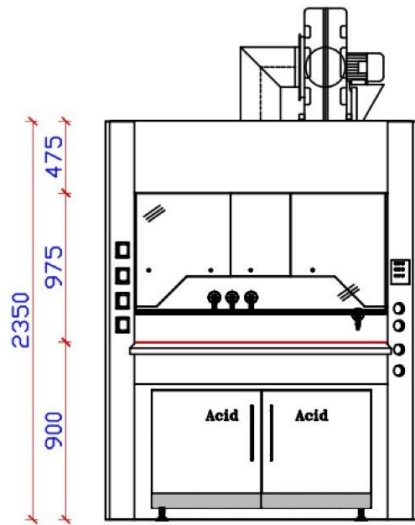COVERED BY 9mm THICK PP MATERIAL

VENT. SYSTEM

PERSPECTIVE & ELEVATION VIEW FOR FUME CUPBOADD-1200mm

HERAIS - CANADA
www.herais.net
higtc@windowslive.com
Tel: + 1 (519) 800 1353

Drg. No	Rev	Date	Scale
0/0 /0/00			

Herais Lab Solutions

FRONT ELEVATION

2350 / 475 / 975 / 900

PLAN VIEW
50150HE-90

1500 / 750 / 750 / 900

EXHAUST FAN CAN BE ROTATE AT ANY DIRECTION ACCORDING TO THE DUCT POSITION

SIDE VIEW

900

PERSPECTIVE VIEW

Acid Acid

PP FOLDABLE TRAY

CORE MATERIAL MADE FROM: 1.5mm THICK COOLED ROLLED STEEL SHEET WITH EPOXY POWDER COATED

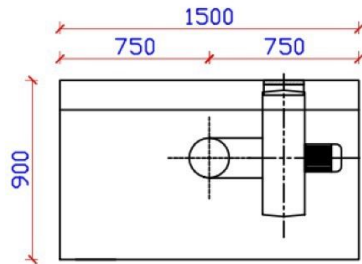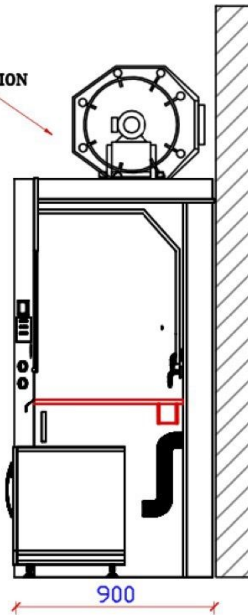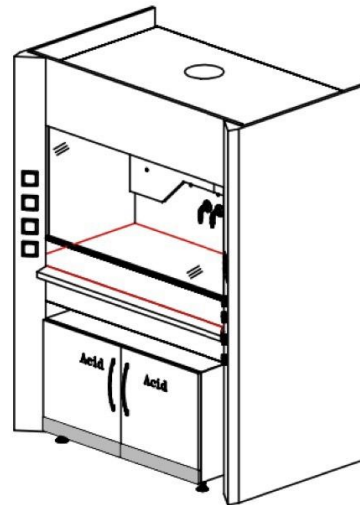COVERED BY 9mm THICK PP MATERIAL
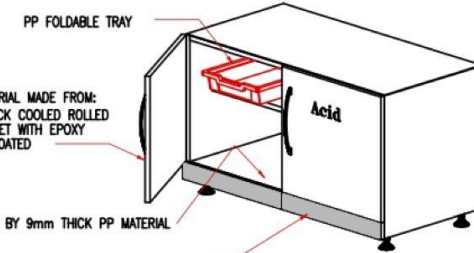
VENT. SYSTEM

ACID/BAS CABINET

FUME CUPBOARD-1500 (FH-1500) TECHNICAL DATA

Dimension : 1500x900x2350mm(LxDxH)

Top
- 19 mm CHEMICAL RESISTANT EPOXY RESIN TOP.
- 20 mm THICK PHENOLIC RESIN TOP.
- 25 mm THICK STAINLESS STEEL TOP.
- 19-25 mm CERAMIC TOP.

—) BODY COMPLETELY MADE OF 1.5mm THICK EPOXY POWDER COATED COLD ROLLED STEEL SHEET.

—) INCLUDING TEMPERED GLASS DOORS OPEN VERTICAL AND HORIZONTAL POSITION.

—) INCLUDING GAS,COMPRESSED AIR TAP,VACUUM TAP&WATER TAP (MADE BY TOF-ITALY),AND INCLUDING 4nos ELECTRICAL SOCKETS WITH WATER PROOF SYSTEM.

—) INCLUDING DRIP CUP SINK COLD WATER OUTLET.

—) INCLUDING 2nos OF FLUORESCENT LIGHTS.

—) AIRFLOW MONITOR INCLUDED CONTROL.

—) INCLUDING UNDER BENCH ACID/BAS CABINETS COVERED BY 9mm THICK PP MATERIALS.

—) INCLUDING MOTOR FAN AND DUCTS.(SEAT-FRANCE or PLASTIFER - ITALY or HOLUS -GERMANY). WITH TOTAL EXHAUST 1000-1200CFM. SOUNDLESS TYPE. COMPLY WITHEN 14173-T3/EN 14175, COATED STEEL INTERIOR ,ONE PIECE SASH WITH PANELS MADE OF LAMINATED SAFETY GLASS, LOW AIR FLOW RATE ,CONTROLLED BY DIGITAL AIR FLOW MONITOR ,AUTOMATIC FRONT SASH CONTROLLER SUITABLE FOR HANDLING RADIOACTIVE SUBSTANCES AND STRONG , CONCENTRATED MINERAL ACIDS.

—) CARBON FILTERS FOR APPLICATIONS INVOLVING XYLENE AND OTHER ORGANIC SOLVENTS.

—) VAV SYSTEM CONTROL WITH DAMPER .XYLENE AND OTHER ORGANIC SOLVENTS.

—) FACE VELOCITY : 100FPM.

—) INCLUDING CHEMICAL RESISTANT DUCTING SYSTEM (STAINLESS STEEL or UPVC) :200-250mm DIA.

THE FUME HOOD SHALL CONFORM TO OCCUPATIONAL HEALTH &SAFETY (OSHA) STANDARD.
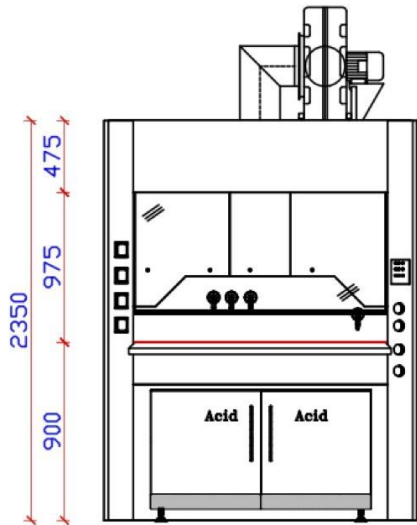
PERSPECTIVE & ELEVATION VIEW FOR FUME CUPBOADD-1500mm

HERAIS - CANADA
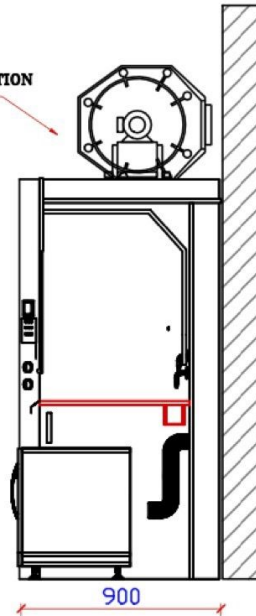www.herais.net
higtc@windowslive.com
Tel: + 1 (519) 800 1353

Drg. No 0/0 /0/00 | Rev | Date | Scale

FRONT ELEVATION

Dimensions (Front Elevation): 2350, 475, 975, 900

PLAN VIEW
50150HE-90

Dimensions (Plan View): 1500, 750, 750, 900

EXHAUST FAN CAN BE ROTATE AT ANY DIRECTION ACCORDING TO THE DUCT POSITION

SIDE VIEW

Dimension (Side View): 900

PERSPECTIVE VIEW

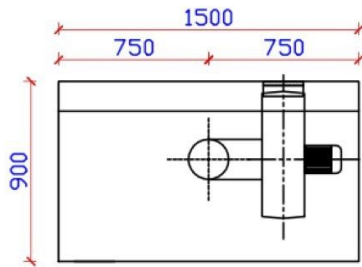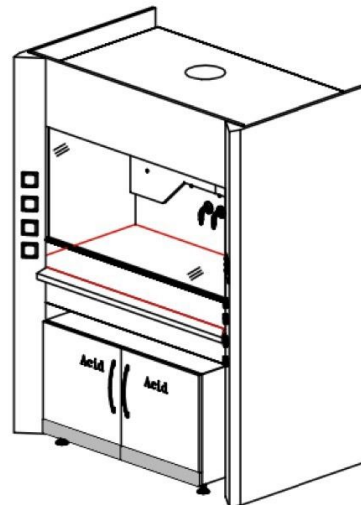### FUME CUPBOARD-1500 (FH-1500) TECHNICAL DATA
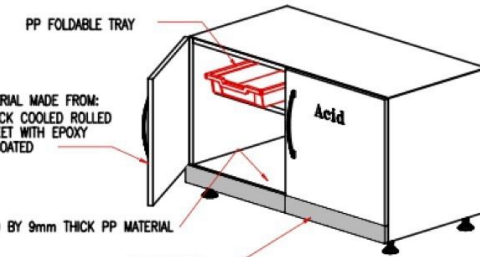
Dimension : 1500x900x2350mm(LxDxH)

Top
- 19 mm CHEMICAL RESISTANT EPOXY RESIN TOP.
- 20 mm THICK PHENOLIC RESIN TOP.
- 25 mm THICK STAINLESS STEEL TOP.
- 19-25 mm CERAMIC TOP.

—) BODY COMPLETELY MADE OF 1.5mm THICK EPOXY POWDER COATED COLD ROLLED STEEL SHEET.

—) INCLUDING TEMPERED GLASS DOORS OPEN VERTICAL AND HORIZONTAL POSITION.

—) INCLUDING GAS,COMPRESSED AIR TAP,VACUUM TAP&WATER TAP (MADE BY TOF-ITALY),AND INCLUDING 4nos ELECTRICAL SOCKETS WITH WATER PROOF SYSTEM.

—) INCLUDING DRIP CUP SINK COLD WATER OUTLET.

—) INCLUDING 2nos OF FLUORESCENT LIGHTS.

—) AIRFLOW MONITOR INCLUDED CONTROL.

—) INCLUDING UNDER BENCH ACID/BAS CABINETS COVERED BY 9mm THICK PP MATERIALS.

—) INCLUDING MOTOR FAN AND DUCTS.(SEAT-FRANCE or PLASTIFER - ITALY or HOLUS -GERMANY). WITH TOTAL EXHAUST 1000-1200CFM. SOUNDLESS TYPE. COMPLY WITHEN 14173-T3/EN 14175, COATED STEEL INTERIOR ,ONE PIECE SASH WITH PANELS MADE OF LAMINATED SAFETY GLASS, LOW AIR FLOW RATE ,CONTROLLED BY DIGITAL AIR FLOW MONITOR ,AUTOMATIC FRONT SASH CONTROLLER SUITABLE FOR HANDLING RADIOACTIVE SUBSTANCES AND STRONG , CONCENTRATED MINERAL ACIDS.

—) CARBON FILTERS FOR APPLICATIONS INVOLVING XYLENE AND OTHER ORGANIC SOLVENTS.

—) VAV SYSTEM CONTROL WITH DAMPER .XYLENE AND OTHER ORGANIC SOLVENTS.

—) FACE VELOCITY : 100FPM.

—) INCLUDING CHEMICAL RESISTANT DUCTING SYSTEM (STAINLESS STEEL or UPVC) :200-250mm DIA.

THE FUME HOOD SHALL CONFORM TO OCCUPATIONAL HEALTH &SAFETY (OSHA) STANDARD.

PP FOLDABLE TRAY

CORE MATERIAL MADE FROM: 1.5mm THICK COOLED ROLLED STEEL SHEET WITH EPOXY POWDER COATED

COVERED BY 9mm THICK PP MATERIAL

VENT. SYSTEM

ACID/BAS CABINET

PERSPECTIVE & ELEVATION VIEW FOR FUME CUPBOADD-1500mm

Drg. No	Rev	Date	Scale
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Ducted PP Fume Hood

LED Display

PP Sink
resistant to acid,
alkali and anti-corrosion

Waterproof Socket

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 5mm 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)		1047*800*2450mm	1247*800*2450mm	1547*800*2450mm	1847*800*2450 mm
Internal Size (W*D*H)		787*560*700mm	987*560*700mm	1287*560*700mm	1587*560*700 mm
Work Surface Height		820mm			
Max Opening		740mm			
Air Velocity		0.3~0.8m/s			
Noise		≤68dB			
Exhaust Duct		4.3meters,Φ250mm			
LED Lamp		9W*2	12W*2	15W*2	20W*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		400W	400W	500W	700W
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		LED light;Work table:Chemical resistant phenolic resin; 4.3 meters PVC duct (2 Pcs of 4.3 meters PVC duct for FH1800(P) only), Diameter: 250mm; Pipe strap*2(4 Pcs for FH1800(P) only); RVV power cord (3*1.0mm²*3000mm); Base cabinet; Waterproof socket*2; Tail insert; Water tap(PP); Gas tap(PP); Water Sink; PP centrifugal blower*1(2 for FH1800(P) only)			
Optional Accessory		PP work table, epoxy resin board or ceramic board;Active carbon filter; Outer PP centrifugal blower *1 (only need to select when the duct more than 4m,2 for FH1800(P) only); Splicable base cabinet(only not for FH1800(P))			
Gross Weight	Main Body	137kg	155kg	180kg	206kg
	Base Cabinet	89kg or 80kg(Splicable)	99kg or 90kg(Splicable)	114kg or 102kg(Splicable)	140kg
Package Size (W*D*H)	Main Body	1188*938*1612mm	1388*938*1612mm	1688*938*1612mm	1988*938*1612mm
	Base Cabinet	1188*888*1000mm or 1200*1000*450mm (Splicable)	1388*888*1000mm or 1400*1000*450mm (Splicable)	1688*888*1000mm or 1700*1000*450mm (Splicable)	1988*888*1000mm

CE ISO 9001 ISO 14001 ISO 13485

PP Spray Flow Cabinet

INTRODUCTION

This style fume hood is a custom-made fume hood for perchloric acid. The alkaline water neutralization and circulation system behind the deflector of the fume hood is the primary neutralization system, and its function is to ensure that high concentrations of perchloric acid residues do not accumulate in the fume hood, thereby causing chemical reactions such as combustion, explosion or a lot of heat.

ADVANTAGE

1. Made of PP material, integrally welded
2. Resistant to strong acid, alkali and strong corrosion
3. Solid core physical and chemical board, PP board, ceramic board and other countertop materials are optional
4. The inside of the deflector is equipped with a spray system, which can neutralize the acid gas in the exhaust gas and then discharge it
5. The control panel can control the lighting system, circuit system, and air volume adjustment system
6. Circulating water dilution system includes acid and alkali resistant circulating pump, water tank, water inlet and outlet structure, and complete circulating water circuit

LED Display

Waterproof Socket

Circulating Pump

PP Sink (Optional)
Resistant to acid, alkali and anti-corrosion

Water&Gas Remote Control (Optional)

TECHNICAL PARAMETERS

Model		FH1000PL	FH1200PL	FH1500PL	FH1800PL
External Size (W*D*H)		1047*800*1422mm	1247*800*1422mm	1547*800*1422mm	1847*800*1422mm
Internal Size (W*D*H)		787*500*700mm	987*500*700mm	1287*500*700mm	1587*500*700mm
Work Surface Height		820mm			
Max. Opening		740mm			
Material	Main Body	Made of Porcelain white PP, thickness 8mm, resistant to strong acid, alkali and anti-corrosion.			
	Work Table	Solid core physical and chemical board			
Airflow Velocity		0.3~0.8m/s			
Exhaust Volume		560 m³/h	700 m³/h	920 m³/h	1130 m³/h
Consumption		400 W+370W(Pump)		500 W + 370W(Pump)	700 W + 370W(Pump)
Waterproof Socket		Two, total load≤500W			
Noise		≤68dB(A)			
Illumination		≥400lx			
LED Lamp		24W		30W	38W
Blower		Built-in PP centrifugal blower(2 blowers for FH1800(P) only); Speed adjustable; 300W			
Front Window		Resistant to acid and alkali, Manual, 5mm toughened glass, height adjustable.			
Operators		1~2	1~2	2~3	2~3
Standard Accessory		LED light; Work table: Chemical resistant phenolic resin; 4.3 meters PVC duct (2 pcs of 4.3 meters PVC dust for FH1800(P) only), Diameter: 250mm; Pipe strap*2 (4 pcs for FH1800(P) only); Base cabinet; PP centrifugal blower*1 (2 for FH1800(P) only) Waterproof socket*2 Water tap (PP); Gas tap (PP); Water Sink			
Optional Accessory		PP work table, epoxy resin board or ceramic board; UV lamp; Electric glass door			
Power Supply		220V,50/60Hz (Standard); 110V,60Hz (Optional)			
Package Size (W*D*H)		Main Body: 1188*938*1690mm Base Cabinet: 1188*888*1000mm	Main Body: 1388*938*1690mm Base Cabinet: 1388*888*1000mm	Main Body: 1688*938*1690mm Base Cabinet: 1688*888*1000mm	Main Body: 1988*938*1690mm Base Cabinet: 1988*888*1000mm
Gross Weight		227kg	255kg	295kg	346kg

CE

Ductless Fume Hood

FH1000(C)/FH1200(C)   FH1500(C)/FH1800(C)

LCD Display
LCD Touch Screen Control Panel

Waterproof Socket

Water & Gas tap reserve mouth

Front Window
Front window reversal design

Explosion-proof Fluorescent Lamp

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. The base cabinet is equipped with a middle partition.
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

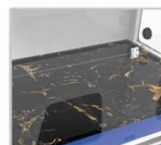| Model		FH1000(C)	FH1200(C)	FH1500(C)	FH1800(C)
External Size (W*D*H)		1000*830*2140mm	1200*830*2140mm	1500*940*2140mm	1800*940*2140mm
Internal Size (W*D*H)		910*690*740mm	1110*690*740mm	1410*690*740mm	1710*690*740mm
Work Surface Height		900mm			
Max. Opening		650mm			
Air Velocity		0.4~0.6m/s			
Airflow Volume		136m³/h		432m³/h	547m³/h
Noise		≤58dB(A)			
Fluorescent Lamp		12W*2		12W*3	
UV Lamp (Optional)		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; Chemical Filter			
Optional Accessory		Water tap, Gas tap, Water sink, Electric height adjustable base stand,HEPA Filter, UV Lamp			
Gross Weight		290kg	310kg	380kg	410kg
Package Size	Main Body	1140*1040*1490mm	1350*1040*1490mm	1650*1110*1490mm	1950*1110*1490mm
	Base Cabinet	1140*1040*1060mm	1350*1040*1060mm	1650*1110*1060mm	1950*1110*1060mm
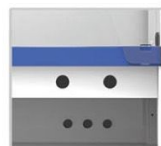
Ductless Fume Hood

5 inch Touch Screen

Waterproof Socket

Oil Proof Explosion Proof Light

Marble Countertops

ADVANTAGE

1. It meets the acceptance criteria of the platform and can meet the accuracy of the balance use level of one hundred thousand.
2. LCD Touch screen control panel, easy to operate.
3. With memory function in case of power-failure
4. 8°slope front ergonomics design, fatigue-free working posture.
5. Temperature and humidity sensors, can detect indoor temperature and humidity.
6. Three side transparent Acrylic windows, front window reversal design,easy to operate.
7. The operating area countertop adopts marble countertop, which can be disassembled for easy cleaning.
8. Electronic control system, anti-overload, anti-electric shock,stable performance, long service life.
9. Inside and outside probe,detect indoor air pollution and filter conditions.

TECHNICAL PARAMETERS

Model		FH1200(T)
External Size(W*D*H)		1230*830*2120mm
Instrument Size(W*D*H)		1110*740*700mm
Work Surface Height		880mm
Max Opening		650mm
Air Velocity		0.25～0.35m/s
Airflow Volume		136m³/h
Noise		≤58dB(A)
Fluorescent Lamp		12W*2
Blower		Built-in blower
Front Window		Acrylic window ;Manual;Reversal design
Consumption		400W
Power Supply		AC220V±10%, 50Hz/60Hz;110V±10%, 60Hz
Material	Exterior	1.0mm cold rolled steel sheet, electrostatic spraying
	Side Window	Acrylic window
	Work table	Marble countertops
HEPA Filter		1 pc
Optional Accessory		UV lamp
Net/Gross Weight		270/320kg
Package Size	Main Body	1380*1040*1490mm
	Base Cabinet	1380*1040*1060mm

Ducted Fume Hood

Integral Type

Tabletop Type

PP axial flow fan

Solid core physical and chemical board

Wind speed is infinitely controlled

Waterproof socket

INTRODUCTION

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

ADVANTAGE

1. With memory function in case of power-failure.
2. Adjustable air speed.
3. Motorized front window, height adjustable.
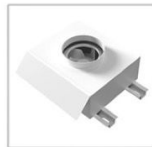4. The operation area adopts Compact Laminate board, with high corrosion resistance.

TECHNICAL PARAMETERS

Model	FH700(L)	FH1000(L)	FH1100(L)	FH1200(L)	FH1300(L)	FH1500(L)	FH1800(L)
External Size(W*D*H)mm (Tabletop Type)	700*650* 1260	1000*800* 1260	1100*800* 1260	1200*800* 1260	1300*800* 1260	1500*800* 1260	1800*800* 1260
External Size(W*D*H)mm (Integral Type)	700*650* 2000	1000*800* 2000	1100*800* 2000	1200*800* 2000	1300*800* 2000	1500*800* 2000	1800*800* 2000
Internal Size(W*D*H)mm	580*570*835	880*720*835	980*720*835	1080*720*835	1180*720*835	1380*720*835	1680*720*835
Airflow pattern	Negative pressure exhaust						
Max Opening	500mm						
Air Velocity	0.3-0.8m/s						
System Exhaust Volume	420m³/h	630m³/h	700m³/h	770m³/h	840m³/h	980m³/h	1190m³/h
Noise	≤68dB						
LED Lamp	4w*2	8w	12w				16W
Illumination	≥300lx						
Vibration	Amplitude ≤5μm						
Consumption	400w						
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz						
Exterior Meterial	Cold-rolled steel with anti-bacteria power coating, electrostatic spraying						
Interior Meterial	5mm Compact Laminate board						
Standard Accessories (Tabletop Type)	Socket, fan, LED light, 300*4mPVC pipe						
Standard Accessories (Integral Type)	Socket, fan, LED light, 300*4mPVC pipe, base cabinet, Solid core physical and chemical board						
Optional Accessory (Integral Type)	Water tap, Gas tap, Water sink						
Number of users	1	1	1-2				2-3
Gross Weight (Tabletop Type)	85	124	135	146	153	174	198
Gross Weight (Integral Type)	110	160	169	179	190	211	236
Package Size(W*D*H)mm (Tabletop Type)	840*790* 1460	1140*940* 1460	1240*940* 1460	1340*940* 1460	1440*940* 1460	1640*940* 1460	1940*940* 1460
Package Size(W*D*H)mm (Integral Type)	840*950* 1460	1140*1100* 1460	1240*1100* 1460	1340*1100* 1460	1440*1100* 1460	1640*1100* 1460	1940*1100* 1460

![Herais Lab Solutions logo]

Walk-in Fume Hood

Water Sink

Exhaust Fan
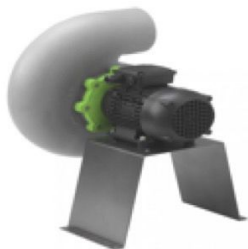
Water & Gas Remote Control Valve
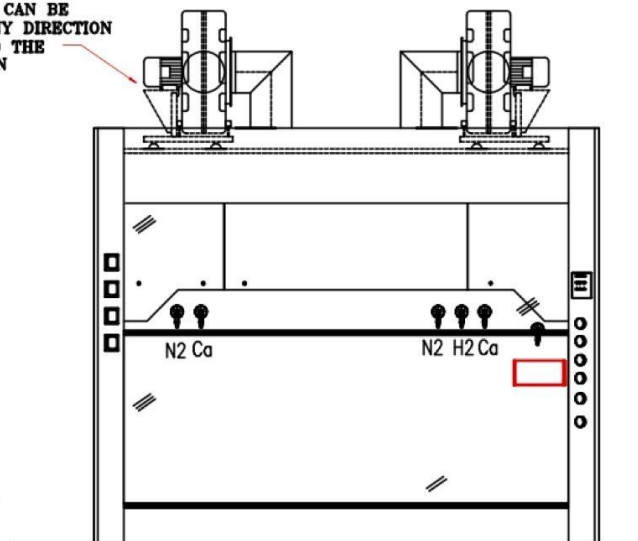
Water & Gas Tap

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

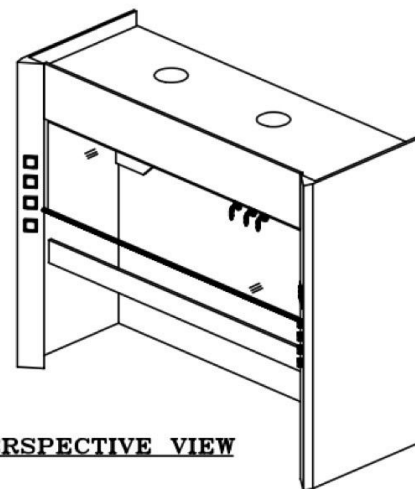| Model		FH1200(W)	FH1500(W)	FH1800(W)
External Size (W*D*H)		1200*800*2250mm	1500*800*2250mm	1800*800*2250mm
Internal Size (W*D*H)		980*550*1670mm	1280*550*1670mm	1580*550*1670mm
Max Opening		1300mm		
Exhaust Airflow Volume		1150m³/h	1500m³/h	1850m³/h
Inflow Air Velocity		0.3~0.8m/s		
Noise		≤ 62dB		
Vibration		Amplitude ≤5μm		
Illumination		≥800Lux		
LED Lamp		12W*2	16W*2	16W*2
Power Supply		AC220V±10%, 50/60Hz; 110V±10%, 60Hz		
Consumption		400W	500W	800W
Front Window		Manual, 5mm toughened glass,height adjustable		
Material	Exterior	1.0mm cold-rolled steel with bacteria powder coating.		
	Interior	Compact laminate board with good acid and alkali resistance function		
Standard Accessory		External blower, LED lamp, Water tap, Gas tap, PP cup sink, Remote control water valve, Remote control gas valve, Waterproof sockets*4, 4.3 meters Φ300mm PVC exhaust duct		
Sockets		Total load of 4 waterproof sockets: ≤500W		
Package Size (W*D*H)	Main Body	1400*1050*2450mm	1710*1050*2450mm	2010*1050*2450mm
	Exhaust Blower	970*810*720mm	1040*890*710mm	1040*890*710mm
Gross Wight		300KG	340KG	390KG

Herais Lab Solutions

EXHAUST FAN CAN BE ROTATE AT ANY DIRECTION ACCORDING TO THE DUCT POSITION

900

360

FLUORESENT LIGHT

PULLY

WELDED METAL STRIPS FOR COUNTER BALANCE OF GLASS WT.

COMPACT LAMINATED BAFFLE

3mm THICK COMPACT LAMINATE

SPACER

WATER OUTLET

CLEAR GLASS VERTICALLY

CLEAR GLASS VERTICALLY SLIDING SASH

SOLID EPOXY DRIPCUP

DRIPCUP SUPP

ALUMINIUM GRABHOLD
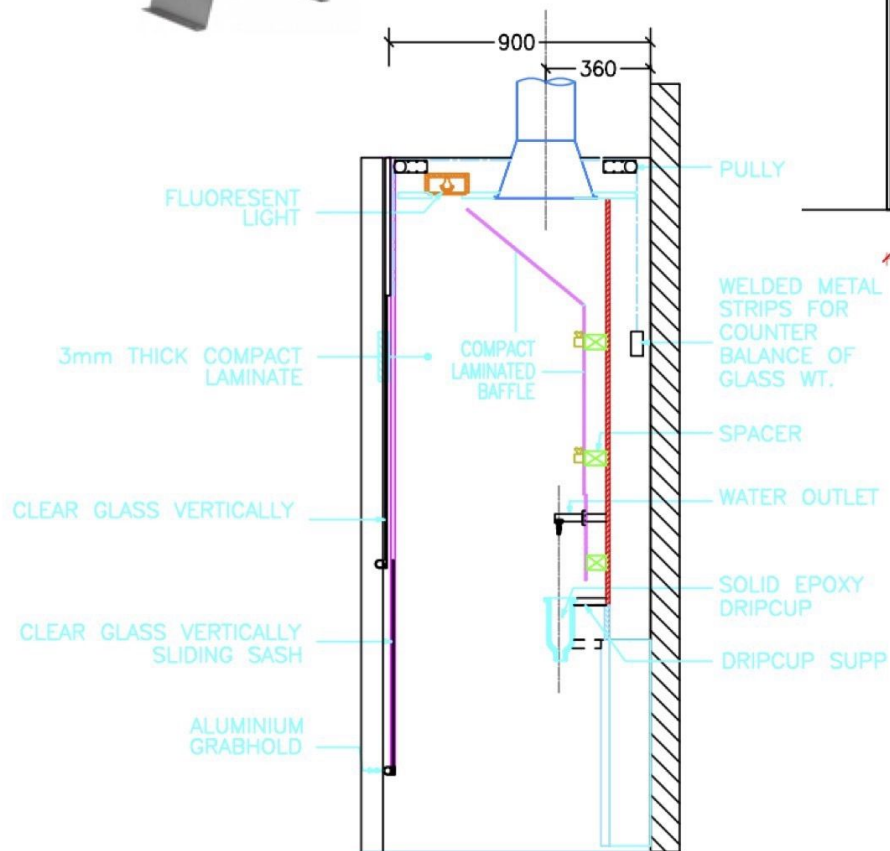
SIDE VIEW
51240HE-90

N2 Ca   N2 H2 Ca

1800 / 2400

FRONT ELEVATION

PERSPECTIVE VIEW

WALK-IN FUME CUPBOARD-2400 (FHWN) TECHNICAL DATA

Dimension :2400x900x2350mm(LxDxH)

—) BODY COMPLETELY MADE OF 1.5mm THICK EPOXY POWDER COATED COLD ROLLED STEEL SHEET.

—) INCLUDING TEMPERED GLASS DOORS OPEN VERTICAL AND HORIZONTAL POSITION.

—) INCLUDING GAS,COMPRESSED AIR TAP,VACUUM TAP&WATER TAP (MADE BY TOF-ITALY),AND INCLUDING 4nos ELECTRICAL SOCKETS WITH WATER PROOF SYSTEM.

—) INCLUDING DRIP CUP SINK COLD WATER OUTLET.

—) INCLUDING 2nos OF FLUORESCENT LIGHTS.

—) AIRFLOW MONITOR INCLUDED CONTROL.

—) INCLUDING MOTOR FAN AND DUCTS.(SEAT-FRANCE or PLASTIFER – ITALY or HOLUS –GERMANY). WITH TOTAL EXHAUST 1000-1200CFM. SOUNDLESS TYPE. COMPLY WITHEN 14173-T3/EN 14175, COATED STEEL INTERIOR ,ONE PIECE SASH WITH PANELS MADE OF LAMINATED SAFETY GLASS, LOW AIR FLOW RATE ,CONTROLLED BY DIGITAL AIR FLOW MONITOR ,AUTOMATIC FRONT SASH CONTROLLER SUITABLE FOR HANDLING RADIOACTIVE SUBSTANCES AND STRONG , CONCENTRATED MINERAL ACIDS.

—) CARBON FILTERS FOR APPLICATIONS INVOLVING XYLENE AND OTHER ORGANIC SOLVENTS.

—) VAV SYSTEM CONTROL WITH DAMPER .XYLENE AND OTHER ORGANIC SOLVENTS.

—) FACE VELOCITY : 100FPM.

—) INCLUDING CHEMICAL RESISTANT DUCTING SYSTEM (STAINLESS STEEL or UPVC) :200-250mm DIA.

THE FUME HOOD SHALL CONFORM TO OCCUPATIONAL HEALTH &SAFETY (OSHA) STANDARD.

PERSPECTIVE & ELEVATION VIEW FOR WALK IN -FUME CUPBOARD 2400

Drg. No	Rev	Date	Scale
0/0 /0/00			

Mobile Fume Extractor

FFU (Fan Filter Unit)

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, primarily efficient filter, high efficient filter and activated carbon filter.
3. HEPA filter ensures the filtering efficiency to 99.999% efficiency at 0.3μm.

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	MFE-I
External Size(W*D*H)	500*500*980mm
Air Velocity	0.3~0.5m/s
Filter Efficiency	99.995% efficiency at 0.3μm
Noise	≤75dB(A)
Suction Inlet Diameter	375mm
Rated Power	180W
Power Supply	AC110V/220V±10%, 50Hz/60Hz;
Gross Weight	76kg(15kg for Extracting arm; 61kg for Purification system)
Net Weight	67kg
Package Size(W*D*H)	810*510*600mm(Extracting arm)
	630*630*1175mm(Purification system)

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*570*69mm	1170*570*69mm	1470*570*69mm	1770*570*69mm
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*800*540mm	1335*800*540mm	1635*800*540mm	1935*800*540mm

Clean Booth (Down Flow Booth)

Customization Available
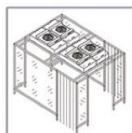
Design Drawing

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.

Reference Picture

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)	2000*1500*2530mm	3000*2000*2530mm	4000*3000*2530mm	5000*5000*2530mm
Internal Size (W*D*H)	1920*1380*2140mm	2920*1880*2115mm	3880*2880*2095mm	4880*4880*2095mm
HEPA Filter	99.995% efficiency at 0.3µm			
Consumption	800W	1500W	2800W	5500W
FFU Nos.	4pcs	6pcs	12pcs	25pcs
Clean Level	ISO 5(Class100), 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 253.7 nanometers with UV timer			
Illumination Lamp	16W*1	16W*2	16W*3	16W*5
	LED Lamp, Illumination: ≥300lux			
Air Velocity	0.1~0.6m/s, average 0.45m/s			
Noise	≤75dB			
Power Supply	AC220V±10%, 60Hz/50Hz; 110V±10%, 60Hz			
Gross Weight	390kg	670kg	1100kg	2900kg
Net Weight	355kg	625kg	1020kg	2800kg
Package Size(W*D*H)	2110*930*920mm 2280*660*500mm	3080*980*1280mm 3080*660*550mm	3200*880*980 *1 3200*1820*1350*1	4080*980*1280mm*3 1260*660*1280mm 5080*460*500mm

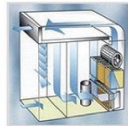Customized design for clean level, size or material is available

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 protects 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	99.995% 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*2 &14W*4
	LED Lamp, Illumination: ≥500lux		
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz		
Consumption	500W	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 2020*660*495mm 1950*530*2160mm	2640*960*2380mm 2640*780*680mm 2640*560*2250mm
Customized design for clean level, size or material is available			

OTHER AIR PROTECTION TECNONOGY

Air protection
Solution

Learn More

CE ISO 9001 ISO 14001 ISO 13485 SGS

Pathology Workstation

APPLICATION

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

ADVANTAGE

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

TECHNICAL PARAMETERS

Model		QCT-1000	QCT-1500	QCT-1800
External Size(W*D*H)		1000*750*1950mm	1500*750*1950mm	1800*750*1950mm
Working Area Size(W*D)		895*430mm	1395*430mm	1695*430mm
Work Surface Height		850mm		
Rated Consumption		300W	300W	300W
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		Built-in fan, UV lamp, spotlight, LED lighting, telescopic faucet, activated carbon filter, hot and cold taps, transparent socket, sink, side countertop flushing part		
Optional Accessories		Water heater, pulverizer, eye washer, magnetic adsorption tool, LED floor magnifying glass, sampling plate, computer stand, stainless steel paper box, camera, large object imaging system, splash guard, hand dryer, external exhaust fan		
Package Size(W*D*H)		1160*890*2170mm	1660*890*2170mm	1960*890*2170mm
Gross Weight		250kg	300kg	340kg

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

Water Tap & Sink
Stainless steel;
Whole-structure.

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

Flex Magnifier Light(Optional)

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

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

Laminar Flow Pathology Workstation

APPLICATION

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

ADVANTAGE

1. The open table design is adopted, and the front and rear of the operation area are unobstructed to ensure the maximum experimental space.
2. Airflow pattern design with top air supply and bottom exhaust.
3. Intelligent control system adopts LCD operation panel.
4. The whole machine is made of 304 stainless steel, easy to clean.
5. Standard formaldehyde filling device, built-in liquid tank, with liquid filling accessories and low liquid level alarm system, convenient for filling formaldehyde.

TECHNICAL PARAMETERS

Model	QCT-1800L
External Size	1800*800*2000mm
Operating Table Size	1455*490mm
Operating Table Adjustable Height	800-950mm
Airflow Pattern	Top air supply and bottom exhaust
Standard Function	Formaldehyde perfusion system, table lifting system, human body induction Switch, touch control screen, spotlight, UV lamp, LED lighting, telescopic faucet, folding hot and cold faucet, electric air valve, sink, transparent socket
Optional Function	Water heater, pulverizer, eye washer, magnetic adsorption tool, LED floor magnifying glass, sampling plate, stainless steel paper box, camera, large object imaging system, mobile display stand, plasma purification system, hand dryer, external exhaust fan exhaust air fan
Power Supply	Standard: 220V 50/60Hz, optional: 110V 50/60Hz
Net Weight	380kg
Packing Size	1980*960*2250mm
Gross Weight	410kg

360°rotatable and adjustable spotlight, convenient for taking materials

Foldable hot and cold faucet

Formaldehyde perfusion universal faucet, The telescopic faucet is convenient for cleaning the countertop

Real-time display of intelligent control parameters,Human body induction switch is easy to operate

![Herais Lab Solutions logo]

Chicken Isolator

INTRODUCTION

Chicken isolator is Positive pressure isolator.
BCI-I Chicken Isolator is designed for SPF chicken feeding and poultry disease testing.

ADVANTAGE

1. Automatic water supply system, adjustable height drinking tank.
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.
8. The inner wall of the glove mouth is equipped with a sliding sealing plate, which can seal the glove mouth when there is no operation.
9. The heating lamp adopts high temperature resistant lamp holder, and has protective cover to prevent chickens from touching, safe and reliable.

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 adjustable(10-50℃), with fluorescent lamp, UV lamp, heating lamp, fan button
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(A)
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	279kg
Package Size (W*D*H)	2430*1010*2070mm
Standard Accessories	Pre-filter*2, HEPA filter*2, Mid-filter*2, UV lamp, heating lamp*2, high quality butyl gloves*6(pairs), feeding and drinking system

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

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

Biological Isolation Chamber

INTRODUCTION

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


FEATURES

1. The chamber liner is made from a special TPU film and strengthened by inserting Aluminum rod along each side of the structure.
2. The "all around" zipper system allows for the chamber to open completely in order for easy operation.
3. The chamber has 10 integrated glove portals on three sides to allow for easy access to the patient and 2 utility portals used for infusions and other medical equipment.
4. Belt system enables the patient to be fastened while in the chamber or the chamber is securely fastened to a stretcher or bed.
5. Isolation chamber is a fully collapsible unit that requires minimal storage space and is ready for use within minutes.
6. The chamber must be used with a folding stretcher or stretcher trolley, which will be easy to move the patient.

Aluminum support & ABS Poles
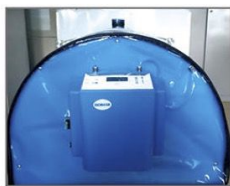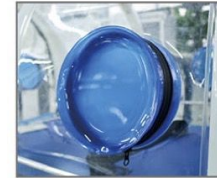
Negative Generation System

Zipper System

Utility Portals
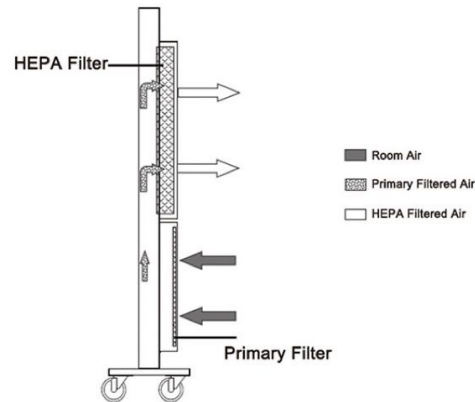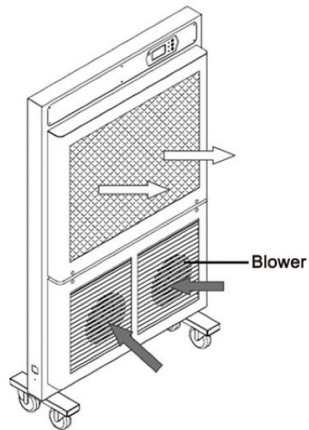

HEPA Filter

Belt

Glove Portals

Charger

Optional

TECHNICAL PARAMETERS

Model	BFG-IV	BFG-VI
Unfolded Size (L*W*H)	1900*560*500mm	1900*680*500mm
HEPA Filter	3pcs, 99.999% efficiency for 0.3μm particles	
Ventilation	≥50L/min	
Chamber Noise	≤65dB(A)	
Alarm	Audio and visual alarm for internal pressure insufficient and low power	
Negative Pressure	≥ 15Pa in two minutes after power on	
Standard Accessory	The main chamber, 3pcs disposable HEPA filter, Negative generation system, 5 pairs PE gloves, Battery and charger, 8 long aluminum rods, 4 short aluminum rods, 8 knurled bolts	
Consumables	HEPA filter (3pcs/set), PE gloves	
Disinfection	Chlorinated disinfectants sterilize surfaces	
Optional	Folding stretcher; Stretcher trolley	
Load-Bearing	Up to 150kg	
Power Supply	DC12V power adapter. Battery charging for 8 hours and continuously using for 4~8 hours	
Package Size (L*W*H)	860*860*760mm	
Net Weight	18kg	20kg
Gross Weight	40kg	42kg

Air Purifier

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. LCD display
3. Remote control.
4. Adjustable air velocity.
5. Thorough sterilizing with UV Lamp.
6. Mobile Type, Wall Hanging Type, Suction Ceiling Type.

TECHNICAL PARAMETERS

Model	QRJ-128
External Size(W*D*H)	900*150*1550mm
Filter	Primary Filter, HEPA filter
HEPA Filter	99.99% efficiency at 0.3μm
UV Lamp	Germicidal UV lamp, Emission of 253.7 nanometers for most efficient decontamination
Optimal Space	≤20m²
Noise	≤58dB
Consumption	240W
Adjustable Air Speed	3 levels
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz
Cleanness At Outlet	Class 100
Gross Weight	78kg
Package Size(W*D*H)	1800*440*1050mm

HEPA Filter

Room Air
Primary Filtered Air
HEPA Filtered Air

Blower

Primary Filter

Air Shower

Air shower is a necessary passage for people entering clean room in order to minimize the amount of particulate contaminant, to achieve workplace strict clean purification standards. Personnel move through the air shower while particulate contaminants are blown off by the clean high-speed air. Then the dust cannot be brought into clean area.

Features

1. Photoelectric sensor, automatic blowing.
2. Adopt with circulation wind to ensure the cleanness of shower area under non-shower status.
3. Double doors by 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) Internal Size(W*D*H)	1300*1000*2050mm 800*900*1930mm	1500*1000*2050mm 800*900*1930mm	1500*2000*2050mm 800*1900*1930mm
HEPA Filter	99.995% 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*1
Consumption	550W	1100W	2200W
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 Package Size(W*D*H)	300kg 1400*1200*2200mm	400kg 1600*1200*2200mm	700kg 1600*2200*2200mm

# Pass Box

Pass Box   Air Shower 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	Air Shower Pass Box			Pass Box		
Model	ASPB-01	ASPB-02	ASPB-03	PB-01	PB-02	PB-03
External Size(W*D*H)mm	660*570*1000	760*670*1100	860*770*1200	660*570*580	760*670*680	860*770*780
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	304Stainless steel					
Interlock	Electronical					
UV Lamp	8W*1					
HEPA Filter	Efficiency≥99.995% at 0.3μm			/		
Clean Air Speed	0.36~0.54m/s			/		
Power Supply	220V, 50Hz; 110V, 50/60Hz					
Gross Weight (Kg)	80	100	120	55	70	90
Packing Size(W*D*H) mm	780*700*1250	880*800*1350	980*900*1450	780*700*770	880*800*870	980*900*970

Animal Cage Changing Station

Air Flow Pattern Diagram:
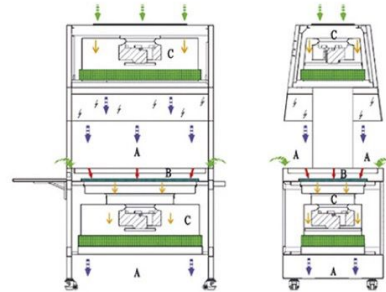
- ■ Primary Efficiency Filter
- ▦ ULPA Filter
- ▤ Room Air
- → Polluted Air
- → Seml-Purified Air
- ••► Purified Air
- A Protected Area
- B Polluted Air
- C Seml- Polluted Air

INTRODUCTION

The animal cage changing station is suitable for the replacement of animal cages in SPF animal rooms, the anatomy of experimental animals and the separation of tissues, etc. It adopts positive vertical flow, double primary effect and double high efficiency filtration design, which can prevent animals in the work area from being polluted by outside air. Protect the operator from allergens and special odors generated during the experiment. In addition, the double-sided open design facilitates simultaneous operation by multiple person. It is a safety protection device specially designed for animal research laboratories.

FEATURES

1. Two-way safety protection: with excellent ventilation system and negative pressure airflow, it can provide two-way safety protection for people, animals, environment, and objects during the process of animal cage change.
2. Use high-quality materials: the work surface is made of 304 stainless steel, which can be quickly disassembled and cleaned up waste.
3. Double-layer filtration system: primary and high-efficiency double-layer filtration system.
4. Control system: LCD touch screen design, real-time dynamic display of the airflow speed of the workstation.
5. Audio and visual alarm: Abnormal air flow velocity and Filter replacement .

Details:

V-type air grille:
V-type air grid collects ambient air and combines with vertical laminar downflow to produce an air curtain to protect operators from harmful substances.

Stainless steel tray:
The left side of the workstation is equipped with a stainless steel tray for easy placement of experimental supplies.
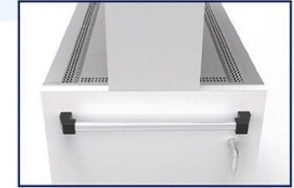
Easy to move:
The Fuma caster design and the right side handle design, easy to move the cabinet.

Highlight LCD touch screen design:
Real-time dynamic display of the downflow velocity and inflow velocity, the overall operating time, the temperature and humidity, and the resistance of the air supply and exhaust filters.

TECHNICAL PARAMETERS

Model	DAW-1100
Power Supply	AC220V±10%, 50/60Hz (Standard); AC110V, 60Hz (Optional)
Instrument Size(L*D*H)	1580*750*1980mm
Operating Area Size(L*D*H)	1015*750*585mm
Laminar Airflow Velocity	≥0.35m/s
Noise	≤65dB（A）
Illuminance	≥1000lx
LED Lamp	12W*2
Consumption(W)	800W
Air Supply ULPA Filter Size	925*470*69mm
Exhaust ULPA Filter Size	910*480*69mm
Primary Filter Size	890*505*25mm
Filtration Efficiency	99.9995%(φ0.12μm)
Number of Users	1-2
Package Size (L*D*H)	1460*890*2270mm
Gross Weight	243kg

Air Flow Pattern Diagram:
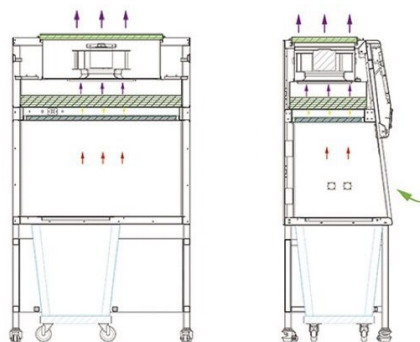
▨	Activated Carbon Filter
▨	ULPA Filter
▨	Primary Efficiency Filter
→	Room Air
→	Polluted Air
→	Semi-Purified Air
→	Purified Air

APPLICATION

It is suitable for the treatment of animal litter in the SPF animal room, to prevent the pollutants generated when dumping the animal litter from harming the experimenters and the working environment, and to provide safety protection for the experimenters and the working environment.

FEATURES

1. Use high-quality materials: the three side walls of the working area adopt high-quality 304 stainless steel integrated structure, and the internal cleanable parts adopt rounded corner design, leaving no dead corners and easy to clean.

2. Strong tolerance: the working area has a large opening, which can accommodate all common animal cages.

3. Control system: Control system: LCD touch screen design, real-time display of working status, easy to operate.

4. Ergonomic design: help reduce fatigue, improve work efficiency, and provide a safer working environment.

Details:

Dual sensors:
The working area is equipped with temperature and humidity sensors and airflow sensors, real-time monitoring of temperature, humidity and airflow changes in the working area.

Large-capacity storage bucket:
The large-capacity storage bucket is equipped with a lid and a mobile trolley, which is convenient for transportation.

Activated carbon filter:
Add an activated carbon filter to the air outlet to absorb gaseous pollutants and reduce odor.

LCD touch screen:
Display the working time of the high-efficiency filter; realize the appointment timing of the fan and socket; display the working status in real time.

TECHNICAL PARAMETERS

Model	DDW-1100
Power Supply	AC220V, 50Hz(Standard); AC110V, 60Hz(Optional)
Instrument Size(L*D*H)	1100*700*1920mm
Operating Area Size(L*D*H)	1000*600*660mm
Laminar Airflow Velocity	≥0.35m/s
Noise	≤65dB（A）
Illuminance	≥1000lx
LED Lamp	12W*2
Consumption(W)	700W
Primary Filter Size	967*453*30mm*1
High Efficiency Filter Size	1000*485*69mm*1
Activated Carbon Filter Size	758*408*35mm*1
Filtration Efficiency	99.9995%(φ0.12μm)
Ambient Temperature	15℃~35℃
Relative Humidity	≤75%
Atmospheric Pressure Range	70 kPa~106 kPa
Package Size (L*D*H)	1250*850*2100mm
Gross Weight	240kg

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Mini PCR Workstation

LCD Display
1. Large Digital LCD display is easy to monitor.
2. All the safety parameters at a glance and ergonomically sized control panel improves User interface.

UV Lamp
1. Emission of 253.7 nanometers for most.
2. Efficient decontamination.

Work Zone
Work zone is made of 304 stainless steel, Unibody design.

Front Window
Toughened glass>5mm, anti UV.

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

Windproof Plate
Effectively isolate the cross-effects of airflow in various areas.

INTRODUCTIONS
The Mini PCR Workstation is the world's exclusive nucleic acid detection workstation, specially developed for fever clinics and small clinical laboratories. Integrate traditional PCR laboratory functions into one device. Allow more small laboratories to have PCR detection capabilities.

APPLICATION
It is suitable for rapid nucleic acid detection in the fever clinic and emergency department of hospital, other small clinical laboratories.

FEATURES
1. Global exclusive.
2. Small dimension, save space, economical and convenient.
3. Automatic air speed adjustable with filter block.
4. With memory function in case of power-failure.
5. Interlock function: UV lamp and front window; UV lamp and blower, fluorescent lamp; Blower and front window.
6. Audio and visual alarm: Filter replacement, window over height, abnormal air flow velocity etc.
7. Time reserve function: This can set the UV lamp and fan working time.
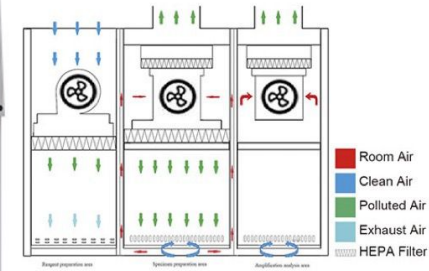
Reagent Preparation Area:
Positive pressure, vertical laminar flow design, equipped with primary filter and HEPA filter, which can protect the reagent preparation from external pollution and protect the reagent.

Specimen Preparation Area:
Negative pressure; the air inlet is through the front window glass door, the bottom of the operation area is returned to the air, and the top is exhausted; the upper and lower two HEPA filters are equipped to protect personnel from harmful aerosol infection and protect samples from external pollution.

Amplification Analysis Area:
Negative pressure, the air inlet is through the front window glass door, the bottom of the operation area is returned to the air, and the top is exhausted, and the HEPA filter can protect both the personnel and the environment.

Mini PCR Workstation

TECHNICAL PARAMETERS

Model		PCR1600	PCR2100	PCR2500
External Size(L*W*H)		1600*710*2100mm	2100*710*2000mm	2500*850*2100mm
Reagent Preparation Area	Operating Area Size (L*W*H)	440*560*510mm	640*560*510mm	640*710*610mm
	Pressure	Positive		
	Airflow Velocity (m/s)	0.3~0.45		
	Airflow Volume (m³/h)	190~290	290~430	380~560
	Exhaust Type	/		
Specimen Preparation Area	Operating Area Size (L*W*H)	560*560*510mm	660*560*510mm	1060*710*610mm
	Pressure	Negative		
	Airflow Velocity (m/s)	Downflow: 0.33±0.025, Inflow: 0.53±0.025		
	Airflow Volume (m³/h)	210	250	400
	Exhaust Type	TypeA2, 30% exhaust, 70% recirculation		
Amplification Analysis Area	Operating Area Size (L*W*H)	440*560*510mm	640*560*510mm	640*710*610mm
	Pressure	Negative		
	Airflow Velocity (m/s)	≥0.4		
	Airflow Volume (m³/h)	≥160	≥180	≥180
	Exhaust Type	100% exhaust	100% exhaust	100% exhaust
ULPA Filter		Four, 99.999% efficiency at 0.12μm.		
Clean Level		Class 100(IS0 Class 5)		Class 100, Except Amplification Analysis Area
Front Window		Manual, Toughened glass, Anti UV		
Max Opening		400mm		480mm
Noise		≤67 dB (A)		
Vibration		≤5μm		
UV Lamp		8W*3, UV timer, UV life indicator	15W*3	30W*1,15W*2
LED Lamp		4W*6	8W*6	8W*4,12W*2
Illumination(lx)		≥500 (Each area)	≥650 (Each area)	
Sockets		The load of two sockets (Each area): 500W, total 6 sockets		
Display		Touch Screen		
Control System		Microprocessor		

Model	PCR1600	PCR2100	PCR2500
Visual and Audio Alarm	Filter replacement, window over height, abnormal air flow velocity		
Work Surface Height	750 mm		
Material	Work Zone: 304 stainless steel		
	Main Body: Cold-rolled steel with anti-bacteria powder coating		
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz		
Consumption	600W, total 2100W (With load)		1000W, total 2500W
Standard Accessory	LED lamp*6, UV lamp*4, Windproof plate*2 (Only for PCR2100/2500), Waterproof sockets*6		
Package Size(W*D*H)	1750*980*1400mm	2250*980*1400mm	2650*1120*1500mm
Gross Weight	400kg	450kg	500kg

MINI PCR WORKSTATION EQUIPMENT LIST:

Item	Name	Model	Quantity
Reagent preparation area	Pipette	0.5-10μl	1
	Pipette	10-100μl	1
	Pipette	100-1000μl	1
	Centrifuge	MINI-7	1
	Mixer	BJPX-VW	1
	Tips	10μl,100μl, 1000μl	/
	Centrifuge tube	1.5ml	/
	8-strip tube	0.2ml	/
	QPCR kit	Covid-19	/
Specimen preparation area	Pipette	0.5-10μl	1
	Pipette	10-100μl	1
	Pipette	100-1000μl	1
	Disposable Virus Sampling Collector (One Step method)	/	/
	Tips	10μl,100μl, 1000μl	/
	Centrifuge tube	1.5ml	/
	Centrifuge	MINI-7	1
	Mixer	BJPX-VW	1
	Nucleic Acid Extraction System (only for PCR2500)	BNP32 or BNP8	1
Amplification analysis area	QPCR	LEIA-X4	1
Other related equipment	Biosafety Transport Box	BTB-L5	1
	-25℃ Freezer	BDF-25V270	1
	-86℃ Freezer	BDF-86V158	1

Medical Laminar Flow Bed

INTRODUCTION

The medical laminar flow bed is an air purification device that provides a locally high clean environment for patients with burns, weakened immunity, blood diseases, and those requiring a clean and dust-free environment.

FEATURES

* With Medical device registration certificate.
* In addition to the traditional button control, the control system also adds a remote control, without reaching to touch the button to achieve remote control.
* The adjustable air volume system, guarantees the workspace wind speed in the ideal state.
* UV has anti-touch function, single point UV lamp button can not turn on UV lamp, need to press for 3 seconds to turn on UV lamp, protect patient safety.
* The workspace uses the whole anti-static curtain around, good transparency, it is not easy to dust.
* FFU adopts domestic famous brand fan, stable performance, low noise.
* UV lamp and fan, fluorescent lamp interlock function, when the fan, fluorescent lamp work, UV lamp can not be turned on, protect the patient.

TECHNICAL PARAMETERS

Model	BLF-01
Wind Speed	0.1~0.25m/s
Noise	≤62dB
Illuminance	≥300lux
UV Lamp Power	40W
LED Fluorescent Lamp Power	12W*4
Number of Users	1
Consumption	1200W
Supply Power	220V, 50/60Hz
Internal Size(W*D*H)	2170*1020*1850mm
External Size(W*D*H)	2250*1100*2350mm
Package Size(W*D*H)	2360*1260*1010mm
Net Weight	320kg
Gross Weight	360kg

EN 12469

MET

ISO 9001

ISO 13485

ISO 14001

CE Certificates FH & BSC

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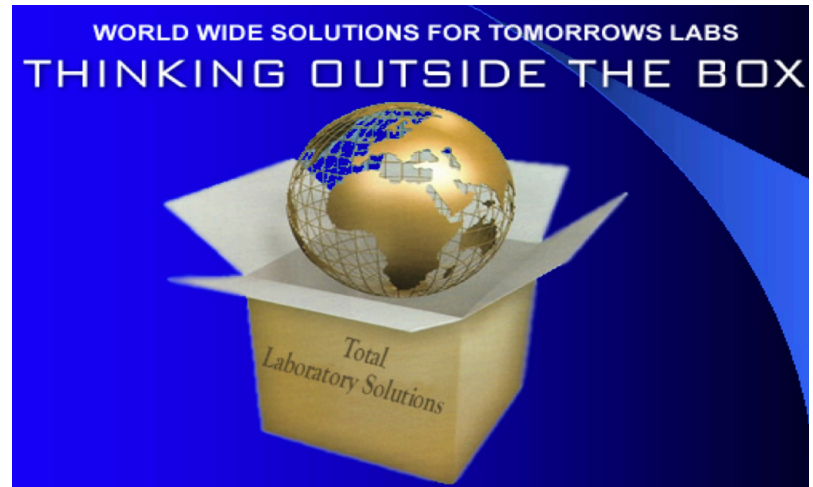
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