**BIOBASE**®

**BIOBASE**® **Group**

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# BIOBASE®

# INTRODUCTION

BIOBASE Group is a professional manufacturer of laboratory products since 1999. Our main products are Biosafety Cabinet (Class Ⅰ/Ⅱ/Ⅲ), Laminar Flow Cabinet, Fume Hood, Biochemistry Analyzer, Reagent, Autoclave and Incubator. We have more than 2000 employees and 20000 square meters production base. Our output per year reaches 10000 units. Pursuing the highest quality is the tenet of BIOBASE. We hope everybody will enjoy BIOBASE service to keep away from the infectious disease.

Our advantages:

- We built an excellent research team which consists of 50 professional engineers.
- We have 20 years production experience and a strong technical production team. And we adopt high-tech and state-of-the-art production equipment from Italy, Japan, and Switzerland, etc.
- We have a strong quality control team to inspect all production stage, from the purchased accessories to the finished products.
- We have full sets of advanced quality assurance equipments.
- We have ISO9001 quality management system; ISO14001 environment management system, ISO3485, CE mark, MET and NSF 49 certificate.
- We got EN 12469 certificate for Biosafety Cabinet in 2013.

# CERTIFICATES

ISO 9001

ISO 13485

ISO 14001

EN 12469

NSF 49

MET(UL)

CE-Biological Safety Cabinet

CE-Laminar Flow Cabinet

CE-Fume Hood

CE-Class Ⅰ Biosafety Cabinet
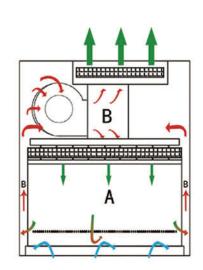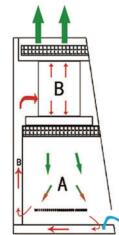
# CONTENTS

## 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 Filtered Air
A  Protected Area
B  Un-Protected Area

# Class II A2 Biological Safety Cabinet

## LCD Display

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

## Work Zone

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

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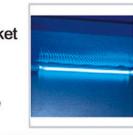
All functions can be realized with it, making the operation much easier and convenient.

## Waterproof Socket

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

## UV Lamp

Emission of 253.7 nanometers for most efficient decontamination.

## ADVANTAGE

1. Small dimension, save space.
2. Centrifugal fan, speed adjustable; H14 HEPA filter.
3. Motorized front window: The front window is motorized for convenient, one-hand operation.
4. Audio and visual alarm: Abnormal airflow velocity, Filter replacement, Front window at unsafe height.
5. Time reserve function: This can save 30 minutes waiting time after activating the cabinet and the sterilization time after experiment.
6. Remote control: Each function can be realized 6 meters away from the cabinet by remote control, which can protect the operator under emergency.
7. Large LCD display: Operators can check detailed status of the cabinet, such as inflow and downflow velocity, work area temperature and humidity, filter pressure, UV working time and filter working time, filter life indicator etc.
8. With memory function in case of power-failure.

## TECHNICAL PARAMETERS

| | |
|---|---|
| Model | 11231BBC86 |
| External Size(W*D*H) | 700*650*1230mm |
| Internal Size(W*D*H) | 600*500*540mm |
| Tested Opening | Safety height 200mm(8") |
| Max Opening | 370mm（15''） |
| Inflow Velocity | 0.53±0.025m/s |
| Down Flow Velocity | 0.33±0.025m/s |
| HEPA Filter | Two, 99.999% efficiency at 0.3μm. Filter life indicator |
| Front Window | Motorized. Toughened glass. Anti UV. |
| Noise | EN12469 ≤ 58dB / NSF49 ≤ 61dB |
| UV Lamp | 15W*1 |
| | UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination |
| LED Lamp | 8W*2 |
| Illumination | ≥1000Lux |
| Consumption | 500W |
| Socket | Two, total load of two sockets: 500W |
| Display | LCD display |
| Control System | Microprocessor |
| Airflow System | 70% air recirculation, 30% air exhaust |
| Visual and Audio Alarm | Filter replacement, window over height, abnormal air flow velocity |
| Material | Work Zone: 304 stainless steel. |
| | Main Body: Cold-rolled steel with anti-bacteria powder coating |
| Work Surface Height | 750mm with optional base stand |
| Power Supply | AC220V±10%, 50/60Hz; 110V±10%, 60Hz |
| Standard Accessory | LED lamp, UV lamp*2, Remote control, Waterproof sockets*2 |
| Optional Accessory | Base stand, Universal caster with brake and leveling feet |
| Gross Weight without Base Stand | Wooden Box: 164kg          Carton: 121kg |
| Gross Weight with Base Stand | Wooden Box: 196kg |
| Package Size without Base Stand (W*D*H) | Wooden Box: 860*800*1450mm      Carton: 820*760*1430mm |
| Package Size with Base Stand (W*D*H) | Wooden Box: 860*960*1450mm |

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Version 2019    001/002

4 (of 40 ) 2018

# NSF Certified Class II A2 Biological Safety Cabinet

Exhaust Thimble canopy(Optional)

Stainless Steel I.V. Bar with 10 hooks

## BIOBASE

LCD display for BSC-4FA2-GL and BSC-6FA2-GL

LCD display for BSC-4FA2-NA and BSC-6FA2-NA

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

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

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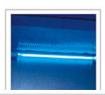Universal caster with brake and leveling feet.

### SS Water Tap &Gas Tap

### Waterproof Socket

### Work Zone
Unibody design

### UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

## ADVANTAGE

1. Motorized front window.
2. Large LCD display, all information displayed.
3. Automatic air speed adjustable with filter block.
4. With memory function in case of power-failure.
5. Side & back wall is made up of single piece stainless steel.
6. Interlock function: UV lamp and front window; UV lamp and blower, fluorescent lamp; Blower and front window.
7. Front 10°slanted to offer operator comfort while working for long time, reduce glare and maximize reach into the work area.

## TECHNICAL PARAMETERS

| Model | BSC-4FA2(4') | BSC-4FA2-GL(4') | BSC-6FA2-GL(6') | BSC-4FA2-NA(4') | BSC-6FA2-NA(6') |
|---|---|---|---|---|---|
| External Size(W*D*H) | 1383*775*2295mm | | 1873*775*2295mm | 1383*775*2295mm | 1873*775*2295mm |
| Internal Size(W*D*H) | 1210*600*660 mm | | 1700*600*660 mm | 1210*600*660 mm | 1700*600*660 mm |
| Work Surface Height | 750mm | | | | |
| Max Opening | 550mm (22'') | | | | |
| Tested Opening | Safety height 200mm (8'') | Safety height 254mm (10'') | | | |
| Airflow Volume — Inflow | 462m³/h (272cfm) | 587m³/h(346cfm) | 824m³/h(485cfm) | 587m³/h(346cfm) | 824m³/h(485cfm) |
| Airflow Volume — Downflow | 60%: 863m³/h (507cfm) | 60%:863m³/h(508cfm) | 60%:1212m³/h(713cfm) | 60%:863m³/h(508cfm) | 60%:1212m³/h(713cfm) |
| Airflow Volume — Exhaust | 40%: 462m³/h (272cfm) | 40%:587m³/h(346cfm) | 40%:824m³/h(485cfm) | 40%:587m³/h(346cfm) | 40%:824m³/h(485cfm) |
| Front Window | Motorized. Two-layer laminated toughened glass ≥5mm. Anti UV. | | | | |
| HEPA Filter | Two, 99.999% efficiency at 0.3um, filter life indicator | | | | |
| Filter Guard Type | Aluminum alloy frame | | | | |
| Noise | NSF 49≤61dB / EN 12469≤58dB | | | | |
| Illumination | ≥1000Lux | | | | |
| Display | LCD Display | | | | |
| Waterproof Socket | Two, Total consumption: ≤500W | | | | |
| Tap | Water tap*1, Gas tap *1 | | | | |
| Ground Resistance | ≤ 0.10Ω | | | | |
| Power Supply | AC220V±10%, 50/60Hz; 110V±10%, 60Hz, Full load Amps: 9A, BTU/Hr: 1689 | | | | |
| Consumption | 400W | | 500W | 400W | 500W |
| Alarm | Abnormal airflow velocity; Filter replacement; Front window at unsafe height | | | | |
| DC Motor | One ECM motor, 110V& 220V 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 | | 40W | 30W | 40W |
| | Germicidal UV lamp, Emission of 253.7 nanometers for most efficient decontamination | | | | |
| Illuminating Lamp | 18W*2 | | 22W*2 | 18W*2 | 22W*2 |
| | LED lamp | | | | |
| Standard Accessory | Illuminating lamp, UV lamp *2, Base stand, SS water & gas taps, Drain valve, | | | | |
| | Waterproof sockets, Stainless Steel I.V. Bar with 10 hooks | | | | |
| Optional Accessory | Armrest, Airflow tester, Formalin fumigation sterilizer,Infrared sterilizer, | | | | |
| | Electric height adjustable base stand, Remote control | | | | |
| Package Size (W*D*H) | 1540*1080*1900mm | | 2020*1080*1900mm | 1540*1080*1900mm | 2020*1080*1900mm |
| Gross Weight | 334kg | 340kg | 370kg | 340kg | 370kg |

# EN Certified Biological Safety Cabinet
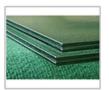
**BIOBASE**

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

**Remote Control for Convenient Operation**

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

**SS Water tap &Gas tap**

**Work Zone**
Unibody design

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

**Waterproof Socket**

**UV Lamp**
Emission of 253.7 nanometers for most efficient decontamination.

## ADVANTAGE
1. Large LCD display, all information displayed.
2. Automatic air speed adjustable with filter block.
3. With memory function in case of power-failure.
4. Side & back wall is made up of single piece stainless steel.
5. Interlock function: UV lamp and front window; UV lamp and blower, fluorescent lamp; Blower and front window.
6. Front 10°slanted to offer operator comfort while working for long time, reduce glare and maximize reach into the work area.

## TECHNICAL PARAMETERS

| Model | | BSC-3FA2 (3') | BSC-4FA2(4') |
|---|---|---|---|
| External Size(W*D*H) | | 1087*775*2265mm | 1383*775*2295mm |
| Internal Size(W*D*H) | | 910*600*660mm | 1210*600*660mm |
| Work Surface Height | | 750mm | |
| Max Opening | | 520mm (21") | 550mm (22") |
| Tested Opening | | Safety height 200mm (8") | |
| Airflow Volume | Inflow | 348m³/h (205cfm) | 462m³/h (272cfm) |
| | Downflow | 65%: 649m³/h (382cfm) | 65%: 863m³/h (507cfm) |
| | Exhaust | 35%: 348m³/h (205cfm) | 35%: 462m³/h (272cfm) |
| Front Window | | Manual. Two-layer laminated toughened glass ≥5mm. Anti UV | |
| HEPA Filter | | Two, 99.999% efficiency at 0.3μm, filter life indicator | |
| Filter Guard Type | | Aluminum alloy frame | |
| Noise | | NSF 49≤61dB/EN 12469≤58dB | |
| Illumination | | ≥1000Lux | |
| Display | | LCD Display | |
| Waterproof Socket | | 2, Total consumption: ≤500W | |
| Tap | | Water tap*1, Gas tap*1 | |
| Ground Resistance | | ≤ 0.10Ω | |
| Power Supply | | AC230V, 50Hz | |
| Consumption | | ≤500W | ≤600W |
| Alarm | | Abnormal airflow velocity; Filter replacement; Front window at unsafe height | |
| DC Motor | | One ECM motor, 230V acceptable, Speed adjustable, high efficiency and low power consumption | |
| Material | | Working area: 304 stainless steel | |
| | | Frame and decorative plate: cold-rolled steel with anti-bacteria power coating | |
| UV Lamp | | 18W | 30W |
| | | Germicidal UV lamp, Emission of 253.7 nanometers for most efficient decontamination | |
| LED Lamp | | 12W*2 | 16W*2 |
| Standard Accessory | | Fluorescent lamp, UV lamp*2, Base stand, SS water & gas taps, Drain valve, Waterproof sockets, Stainless steel I.V. bar with 10 hooks | |
| Optional Accessory | | Armrest, Airflow tester, Formalin fumigation sterilizer, Infrared sterilizer, Remote control, Electric height adjustable base stand, Motorized front window | |
| Package Size (W*D*H) | | 1220*1000*1840mm | 1540*1080*1900mm |
| Gross Weight | | 270kg | 334kg |

# Class II A2 Biological Safety Cabinet

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

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

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

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

### UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

### Air-Vent
Only for BSC-1100IIA2-X and BSC-1500IIA2-X
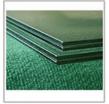
### Footmaster Caster
Universal caster with brake and leveling feet.

### Foot Switch
Adjust front window height by foot during experiment, to avoid airflow turbulence caused by arm movement.
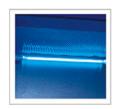
### Waterproof Socket
2 waterproof sockets are located in the side wall, for optimum convenience of using

## ADVANTAGE

1. Motorized front window.
2. Time reserve function.
3. HEPA filter life and UV life indicator.
4. Automatic air speed adjustable with filter block.
5. With memory function in case of power-failure.
6. Audio and visual alarm (Abnormal airflow velocity; Filter replacement; Front window at unsafe height).
7. Work area surrounded by negative pressure, it can ensure maximum safety in work area.
8. Audio and visual alarm (Filter replacement, window over height, abnormal air flow velocity 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-X | BSC-1300IIA2-X | BSC-1500IIA2-X | BSC-1800IIA2-X | BSC-2000IIA2-X |
|---|---|---|---|---|---|
| Internal Size(W*D*H) | 940*600*660mm | 1150*600*660mm | 1350*600*660mm | 1700*600*660mm | 1800*600*660mm |
| External Size(W*D*H) | 1100*750*2250mm | 1300*750*2250mm | 1500*750*2250mm | 1873*775*2290mm | 1950*800*2170mm |
| Tested Opening | Safety Height 200mm(8″) | | | | |
| Max Opening | 420mm(17″) | 420mm(17″) | 500mm (20″) | 550mm(22″) | 400mm(16″) |
| Inflow Velocity | 0.53±0.025 m/s | | | | |
| Downflow Velocity | 0.33±0.025 m/s | | | | |
| HEPA Filter | Two, 99.999% efficiency at 0.3µm. Filter life indicator. | | | | |
| Front Window | Motorized. Two-layer laminated toughened glass ≥ 5mm. Anti UV. | | | | |
| Noise | EN12469 ≤ 58dB / NSF49 ≤ 61dB | | | | |
| UV Lamp | 30W*1 | 30W*1 | 40W*1 | 40W*1 | 40W*1 |
| | UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination. | | | | |
| Illuminating Lamp | LED lamp | LED lamp | LED lamp | Fluorescent lamp | Fluorescent lamp |
| | 12W*2 | 12W*2 | 16W*2 | 16W*2 | 16W*2 |
| Illumination | ≥1000Lux | | | | |
| Consumption | 760W | 800W | 900W | 900W | 1500W |
| Waterproof Sockets | Two, total load of two sockets: 500W | | | | |
| Display | LCD display: exhaust filter and downflow filter pressure, filter and UV lamp working time, inflow and downflow velocity, filter life, humidity and temperature, system working time etc. | | | | |
| Control System | Microprocessor | | | | |
| Airflow System | 70% air recirculation, 30% air exhaust | | | | |
| Visual and audio alarm | Abnormal airflow velocity; Filter replacement; Front window at unsafe height. | | | | |
| Material | Work Zone: 304 stainless steel <br> Main Body: Cold-rolled steel with anti-bacteria powder coating. | | | | |
| Work Surface Height | 750mm | | | | |
| Caster | Footmaster caster | | | | |
| Power Supply | AC220V±10%, 50/60Hz; 110V±10%, 60Hz | | | | |
| Standard Accessory | Illuminating lamp, 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 | | | | |
| Gross Weight | 243kg | 280kg | 316kg | 395kg | 420kg |
| Package Size(W*D*H) | 1220*1000*1840mm | 1460*1050*1800mm | 1630*1000*1820mm | 2000*950*1820mm | 2090*1050*1860mm |

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# Class II A2 Biological Safety Cabinet

**BIOBASE**

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

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

### SS Water Tap &Gas Tap

### Work Zone
Unibody design

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

### Waterproof Socket

### UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

## ADVANTAGE

1. Motorized front window.
2. Large LCD display, all information displayed.
3. Automatic air speed adjustable with filter block.
4. With memory function in case of power-failure.
5. Side & back wall is made of single piece stainless steel.
6. Interlock function: UV lamp and front window; UV lamp and blower, fluorescent lamp; Blower and front window.
7. Front 10° slanted to offer operator comfort while working for long time, reduce glare and maximize reach into the work area.

## TECHNICAL PARAMETERS

| Model | | 11235BBC86(3') | 11236BBC86(6') |
|---|---|---|---|
| External Size(W*D*H) | | 1087*775*2265mm | 1873*775*2295mm |
| Internal Size(W*D*H) | | 910*600*660mm | 1700*600*660mm |
| Work Surface Height | | 750mm | |
| Max Opening | | 520mm (21") | 550mm (22") |
| Tested Opening | | Safety height 200mm (8") | |
| Airflow Volume | Inflow | 348m³/h (205cfm) | 649m³/h (382cfm) |
| | Downflow | 65%: 649m³/h (382cfm) | 60%: 1212m³/h (713cfm) |
| | Exhaust | 35%: 348m³/h (205cfm) | 40%: 649m³/h (382cfm) |
| Front Window | | Motorized. Two-layer laminated toughened glass ≥5mm. Anti UV | |
| HEPA Filter | | Two, 99.999% efficiency at 0.3μm, filter life indicator | |
| Filter Guard Type | | Aluminum alloy frame | |
| Noise | | NSF 49≤61dB / EN 12469≤58dB | |
| Illumination | | ≥1000Lux | |
| Display | | LCD Display | |
| Waterproof Socket | | Two, Total consumption: ≤500W | |
| Tap | | Water tap*1, Gas tap *1 | |
| Ground Resistance | | ≤ 0.10Ω | |
| Power Supply | | AC220V±10%, 50/60Hz; 110V±10%, 60Hz, Full load Amps: 9A, BTU/Hr: 1689 | |
| Consumption | | 300W | 500W |
| Alarm | | Abnormal airflow velocity; Filter replacement; Front window at unsafe height | |
| DC Motor | | One ECM motor, 110V&220V acceptable, Speed adjustable, high efficiency and low power consumption | |
| Material | | Working area: 304 stainless steel | |
| | | Frame and Decorative Plate: cold-rolled steel with anti-bacteria power coating | |
| UV Lamp | | 18W | 40W |
| | | Germicidal UV lamp, Emission of 253.7 nanometers for most efficient decontamination | |
| Illuminating Lamp | | 10W*2 | 22W*2 |
| | | LED lamp | |
| Standard Accessory | | Illuminating lamp, UV lamp*2, Base stand, SS water & gas taps, Drain valve, Waterproof sockets, Stainless Steel I.V. Bar with 10 hooks | |
| Optional Accessory | | Armrest, Airflow tester, Formalin fumigation sterilizer, Infrared sterilizer, Remote control, Electric height adjustable base stand | |
| Package Size (W*D*H) | | 1220*1000*1840mm | 2020*1080*1900mm |
| Gross Weight | | 270kg | 363kg |

# Class II B2 Biological Safety Cabinet
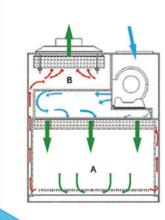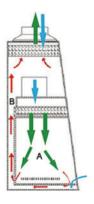
Three protection:operator,sample and environment.

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 Filtered Air
A  Protecred Area
B  Conprotected Area

# Class II B2 Biological Safety Cabinet

SFDA CE ISO9001 ISO13485 SGS

**LCD Display**
Large digital display is easy to monitor all the safety parameters at a glance and ergonomically sized control panel improves user interface.
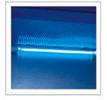
**Work Zone**
Work zone, made of 304 stainless steel, is surrounded by negative pressure.

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

**UV Lamp**
Emission of 253.7 nanometers for most efficient decontamination.

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

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

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

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

## ADVANTAGE

1. Time reserve function.
2. Motorized front window.
3. HEPA filter life and UV life indicator.
4. Automatic air speed adjustable with filter block.
5. With memory function in case of power-failure.
6. Work area surrounded by negative pressure, it can ensure maximum safety in work area.
7. Most accessories are standard, which saves your money. There is no need to pay more.
8. Audio and visual alarm (filter replacement, window over height, abnormal alarm flow velocity, 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, fluorescent 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-X | BSC-1300IIB2-X | BSC-1500IIB2-X | BSC-1800IIB2-X |
|---|---|---|---|---|
| Internal Size (W*D*H) | 940*600*660mm | 1150*600*660mm | 1350*600*660mm | 17000*600*660mm |
| External Size (W*D*H) | 1100*750*2250mm | 1300*750*2250mm | 1500*760*2250mm | 1873*775*2270mm |
| Tested Opening | Safety Height 200mm(8") | | | |
| Max Opening | 420 mm (17") | 420 mm (17") | 500mm (20") | 480mm (20") |
| Inflow Velocity | 0.53±0.025m/s | | | |
| Downflow Velocity | 0.33±0.025m/s | | | |
| Pre-Filter | Washable | | | |
| HEPA Filter | Two, 99.999% efficiency at 0.3μm, filter life indicator. | | | |
| Front Window | Motorized, two-layer laminated toughened glass ≥ 5mm, anti UV | | | |
| Noise | NSF 49 ≤ 61dB / EN 12469 ≤ 58dB | | | |
| UV Lamp | 30W*1 | 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 | 14W*2 | 16W*2 | 16W*2 |
| Illumination | ≥1000Lux | | | |
| Consumption | 700W | 850W | 900W | 1200W |
| Waterproof Sockets | Two, total load of two sockets: 500W | | | |
| Display | LCD display: exhaust filter and downflow filter pressure, filter and UV lamp working time,inflow and downflow velocity, filter life, humidity and temperature, system working time etc. | | | |
| Control System | Microprocessor | | | |
| Airflow System | 0% air re-circulation, 100% air exhaust | | | |
| Alarm | Abnormal airflow velocity; Filter replacement; Front window at unsafe height | | | |
| Exhaust Duct | 4 meters PVC duct, Diameter:300mm | | | |
| Material | Work Zone: 304 stainless steel | | | |
| | Main Body: Cold-rolled steel with anti-bacteria powder coating | | | |
| Work Surface Height | 750mm | | | |
| Caster | Footmaster caster | | | |
| Power Supply | AC 220V±10%, 50/60Hz; 110V±10%, 60Hz (110V/60Hz is not applicable to BSC-1800IIB2-X) | | | |
| Standard Accessory | Illuminating lamp, UV lamp*2, base stand, remote control, foot switch, exhaust blower, exhaust duct, drain valve, waterproof sockets*2, pipe strap*2 | | | |
| Optional Accessory | Water and gas tap, Electric height adjustable base stand | | | |
| Gross Weight | 246kg | 276kg | 302kg | 408kg |
| Package | Main Body | 1230*990*1810mm | 1460*1050*1800mm | 1650*990*1810mm | 2000*950*1820mm |
| | Exhaust Blower (W*D*H) | 970*810*630mm | 970*810*630mm | 970*810*630mm | 970*810*680mm |

Version 2019   011/012

# 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.



Room Air
Polluted Air
HEPA Filtered Air
A Protected Area

SFDA CE ISO9001 ISO14001 ISO13485 SGS

# 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.

## Remote Control
All functions can be realized with it, making the operation much easier and more convenient.
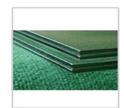
## Water and Gas Tap
High quality stainless steel.

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

## UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

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

## TECHNICAL PARAMETERS

| Model | 11224BBC86 | 11234BBC86 |
|---|---|---|
| External Size (W*D*H) | 1087*760*2100mm | 1380*760*2100mm |
| Internal Size (W*D*H) | 910*600*630mm | 1220*600*630mm |
| Tested Opening | Safety Height 200mm(8") | |
| Max Opening | 440mm(17") | |
| Internal Work Area, space | 0.55m³ | 0.73m³ |
| Inflow Velocity | 0.53m/s | |
| Down Flow Velocity | 0.33m/s | |
| Exhaust Volume | 347m³/h (204 cfm) | 465m³/h (273 cfm) |
| Air Supply Filter | HEPA filter, efficiency > 99.999% for particle size at 0.12 μm | |
| Exhaust Filter | 2 pieces HEPA filters, efficiency > 99.999% for particle size at 0.3μm Filter life indicator and filter working time indicator. | |
| Alarm | Abnormal airflow velocity; Filter replacement; Front window at unsafe height | |
| Noise | EN12469 ≤ 58dB / NSF49 ≤ 61dB | |
| Water & Gas Tap | Water Tap*1, Gas tap*1 | |
| UV Lamp | 18W*1 Emission of 253.7 nanometers for most efficient decontamination UV life indicator | 30W*1 |
| LED Lamp | 12W*2 | 16W*2 |
| Illumination | ≥1000Lux | |
| Consumption | 700W | 900W |
| Waterproof Socket | Two, Total load of two sockets: ≤500W | |
| Display | LCD display | |
| Control System | Microprocessor | |
| Humidity and Temperature | Humidity and temperature can be displayed on the control panel | |
| Material | Work Area: 304 stainless steel Main Body: cold-rolled steel with anti-bacteria powder coating | |
| Front Window | Motorized, two-layer laminated toughened glass≥5mm, anti-UV | |
| Caster | Footmaster Caster | |
| Power supply | AC220V±10%, 50/60Hz; 110V±10%, 60Hz | |
| Standard Accessory | Base stand, Drain valve, Waterproof sockets*2, Remote control, UV lamp*2 and LED lamp, Water tap, Gas tap | |
| Optional Accessory | Armrest, Formalin fumigation sterilizer, Infrared sterilizer, Airflow tester | |
| Gross Weight | 320kg | 371kg |
| Package Size (W*D*H) | 1080*910*2280mm | 1540*910*2280mm |

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# Class III Biological Safety Cabinet

Class III Biosafety Cabinet is totally enclosed and gas-tight with ULPA filtered supply and exhaust air. Work is performed with long-sleeved gloves. The cabinet is kept under negative pressure of at least 120 Pa, and airflow is maintained by a dedicated exterior exhaust system. It can protect the operator, product and environment.

# Class III Biological Safety Cabinet

## 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 99.999% 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 | ≥ negative120 Pa | |
| HEPA Filter | Air supply filter: Efficiency 99.999% at 0.12μm | |
| | First exhaust filter: Efficiency 99.999% at 0.12μm | |
| | Second exhaust filter: Efficiency 99.999% at 0.12μm | |
| Noise | NSF 49 ≤ 61dB / EN 12469 ≤ 48dB | |
| Alarm | Audio and visual alarm, abnormal pressure; filter replacement | |
| Work Zone Material | 304 stainless steel | |
| Illumination | ≥ 1000Lux | |
| Consumption | 1200W | 1300W |
| Fluorescent 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*1062*2160mm | 1890*1065*2240mm |
| Standard Accessories | Gloves, fluorescent lamp, UV lamp*4, remote control, pressure meter, drain valve | |

**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.

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# 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.



Sash ←

← HEPA Filter

■ Room Air
■ Polluted Air
■ HEPA Filtered Air

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## 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.
3. Energy-saving, high efficiency, low noise.
4. With memory function in case of power-failure.
5. One piece 304 stainless steel work stable, easy for cleaning.
6. Stable air flow system; provide firm protection to person and environment.

## TECHNICAL PARAMETERS

| Model | BYKG-I | BYKG-II | BYKG-III | BYKG-V |
|---|---|---|---|---|
| External Size(W*D*H) | 550*395*730mm | 700*550*900mm | 900*713*1250mm | 1100*695*1924mm |
| Internal Size(W*D*H) | 540*385*440mm | 680*540*500mm | 800*635*600mm | 968*695*630mm |
| HEPA Filter | 99.999% efficiency at 0.3μm | | | |
| 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 | 21W*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 castor |
| Main Body Construction | PMMA | PMMA | Cold-rolled steel with anti-bacteria powder coating | |
| Work Table | 304 stainless steel | | | |
| Power Supply | AC220V±10%, 50/60Hz; 110V±10%, 60Hz | | | |
| Standard Accessory | 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 | 1270*880*2230mm |

# Biosafety Accessories

## Electric Height Adjustable Base Stand



BIOBASE

**Control Button**

**Footmaster Caster**

### 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

## 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 laboratoryequipment | | | | | | |



### Airflow Tester
Specifications:
Power supply: 220AC 50/60HZ;110V,60Hz
Input power: 30W  Fuse: T2A L ( ¢ 5×20)
Work style: Intermittent working≤15 min
Maximum atomization velocity: 1.5 ml/min
Maximum volume: 35ml
Working environment:
Environment temperature: 10-40℃
Relative humidity:  ≤70% RH
Air pressure range: 860-1060 kpa
Storage environment:
Environment temperature: 10-40℃
Relative humidity: ≤95% RH
Air Pressure range: 500-1060 kpa



9535-A    9535



CSI-E



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: 1~10 minutes
Number of sampling point: 2~9
Sampling frequency: 2~9
Sampling quantity: 2.83S/m

### Digital Sound Level Meter

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

### Illumination Meter

Light Intensity
range: 0~200000LUX
accuracy: ±20LUX
resolution: 1LUX



I

II

### Infrared Sterilizer

Two types:
Type I: 37mm dimension of cavity
Type II: 20mm dimension of cavity
Central high-temperature: 825℃±50℃
Size: 150*95*210mm
Weight: 1600g
Voltage: 220 V/50Hz



### 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



### Arm rest

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



### Laboratory Chair

Material: Economy line-artificial
leather
Backrest height: 50cm
Height range: 44~58cm
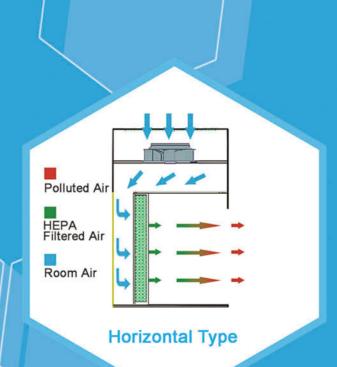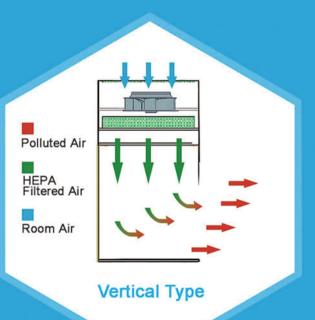
# Laminar Flow Cabinet

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.



Polluted Air
HEPA Filtered Air
Room Air

**Horizontal Type**

Polluted Air
HEPA Filtered Air
Room Air

**Vertical Type**

# 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 | 99.999% efficiency at 0.3μm | |
| Noise | <65dB | |
| Front Window | Motorized | |
| Max Opening | 430mm | |
| LED Lamp | 12W*1 | 16W*2 |
| UV Lamp | 30W*1 | 30W*1 |
| | Emission of 253.7 nanometers | |
| Consumption | 400W | 500W |
| Waterproof Socket | Two, total 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*1030*1540mm |

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

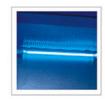### Waterproof Socket
2 waterproof sockets are located in the side panel, for optimum convenience of using small devices inside the cabinet.

### 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



**BIOBASE**

## TECHNICAL PARAMETERS

| Model | BBS-H1100 (Previous name: BBS-DDS) | BBS-H1500 (Previous name: BBS-SDS) | BBS-H1800(X) |
|---|---|---|---|
| External Size (W*D*H) | 1100*808*1690mm | 1500*808*1690mm | 1800*808*1890mm |
| Internal Size (W*D*H) | 1000*500*600mm | 1400*500*600mm | 1700*500*800mm |
| Work Surface Height | 750mm | | |
| Display | LCD Display | | |
| Airflow Velocity | Average of 0.30~0.45m/s | | |
| Material | Main Body: Cold-rolled steel with anti-bacteria powder coating | | |
| | Work Table: 304 stainless steel | | |
| | Side Windows: 8mm toughened glass, anti-UV | | |
| Pre-Filter | Polyester fiber, washable | | |
| HEPA Filter | 99.999% efficiency at 0.3μm | | |
| Noise | ≤65dB(A) | | |
| LED Lamp | 12W*1 | 16W*1 | 16W*2 |
| UV Lamp | 20W*1 | 30W*1 | 20W*2 |
| | Emission of 253.7 nanometers | | |
| Consumption | 200W | 300W | 400W |
| Waterproof Socket | Two, total load≤500W | | |
| Caster | Universal caster with leveling feet | | |
| Power Supply | AC220V±10%, 50/60Hz; 110V±10%, 60Hz | | |
| Standard Accessory | LED lamp, UV lamp*2, Base stand, Waterproof socket*2, Hook*10 | | |
| Optional Accessory | Electric height adjustable base stand | | |
| Gross Weight | 170kg | 185kg | 240kg |
| Package Size(W*D*H) | 1250*1030*1340mm | 1650*1030*1340mm | 1950*1050*1550mm |



### LCD Display
Microprocessor control system, LCD display



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



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

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# Vertical Laminar Flow Cabinet



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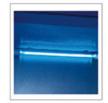
### Waterproof Socket
2 waterproof sockets are located in the side panel, for optimum convenience of using small devices inside the cabinet .

### Gas Tap

### UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

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

## TECHNICAL PARAMETERS

| Model | BBS-V1300 | BBS-V1800 |
|---|---|---|
| External Size（W*D*H） | 1300*750*2040mm | 1800*750*2040mm |
| Internal Size（W*D*H） | 1200*645*610mm | 1700*645*610mm |
| Work Surface Height | 750mm | |
| Display | LCD Display | |
| Airflow Velocity | Average of 0.3~0.5m/s | |
| Material | Main Body: Cold-rolled steel with anti-bacteria powder coating | |
| | Work Table: 304 stainless steel | |
| | Side and Front Windows: 5mm toughened glass anti-UV | |
| Pre-Filter | Polyester fiber, washable | |
| HEPA Filter | 99.999% efficiency at 0.3μm | |
| Noise | <65dB | |
| Front Window | Motorized | |
| Max Opening | 430mm | 430mm |
| LED Lamp | 12W*1 | 16W*1 |
| UV Lamp | 30W*1 | 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

BBS-DDC/BBS-SDC

BBS-V680

BBS-V800

## TECHNICAL PARAMETERS

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

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Website NEW : www.chromalytic.net.au E-mail : info@chromtech.net.au Tel: 03 9762 2034 . . . in AUSTRALIA
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# Vertical Laminar Flow Cabinet
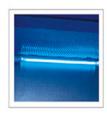## ---Double Sides Type



### LED Display
Microprocessor control system, LED display

### UV Lamp
Emission of 253.7 nanometers for most efficient decontamination

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

## ADVANTAGE

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

## TECHNICAL PARAMETERS

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

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Version 2019    029/030

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# Compounding Hood


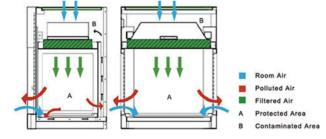
**BBS-V500 & BYKG-VII**



**BBS-V600 & BYKG-VIII**



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

There are two types:
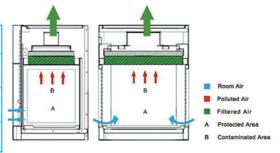
- Positive pressure in work area only protects sample.

| 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 | | | | Chemical resistant phenolic resin | | | |
| Pre-Filter | | Polyester fiber, washable (for BBS-V500, BBS-V600 and BBS-V700) | | | | | | | |
| Filter | | HEPA Filter | Active Carbon Filter, HEPA Filter | HEPA Filter | Active Carbon Filter | HEPA Filter | Active Carbon Filter | Active Carbon Filter, HEPA Filter | |
| Noise | | ≤60dB | | | | | | | |
| Front Window | | Manual, 5mm toughened glass, anti UV | | Manual, acrylic material | | | | | |
| Max Opening | | 310mm | | 590mm | | 660mm | | | |
| LED Lamp | | 4W*1 | | | | 4W*2 | | 12W*1 | |
| | | 8W*1 | | | | 15W*1 | | | |
| UV Lamp | | Emission of 253.7 nanometers | | | | | | | |
| Consumption | | 100W | | 150W | | 300W | | | |
| Power Supply | | AC220V±10%, 50/60Hz; 110V±10%, 60Hz | | | | | | | |
| Standard Accessory | | HEPA Filter, LED Lamp, UV Lamp*2. | Active Carbon Filter, HEPA Filter, LED Lamp, UV Lamp*2. | HEPA Filter, LED Lamp, UV Lamp*2, Waterproof Socket. | Active Carbon Filter, LED Lamp, UV Lamp*2. | HEPA Filter, LED lamp*2, 4 meters PVC exhaust duct, Pipe Strap. | Active Carbon Filter, HEPA Filter(for model BYKG-X, BYKG-XII) LED lamp*2, 4 meters PVC exhaust duct, Pipe Strap. | | |
| Optional Accessory | | Electric height adjustable base stand | | | | Base Stand, UV Lamp*2 | | | |
| Gross Weight | | 57kg | | 90kg | | 45kg | | 145kg | 190kg |
| Package Size (W*D*H) | | 700*610*830mm | | 760*740*1280mm | | 840*760*1400mm | | 1140*740*1340mm | 1340*740*1360mm |

# PCR Cabinet

PCR1000

PCR800/PCR1200/
PCR1300/PCR1500

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

## Waterproof Socket
2 waterproof sockets are located in the back wall, for optimum convenience of using small devices inside the cabinet.
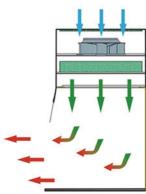
## UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

## Shelf with IV Bar

- Polluted Air
- HEPA Filtered Air
- Room Air

## Side Glass Window
Side glass windows maximize light and visibility inside the cabinet, providing a bright and

## 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 <br> Work Table: 304 stainless steel | | | | |
| Front & Side Windows | 5mm toughened glass , anti-UV | | | | |
| | Motorized | Manual | Motorized | | |
| Max Opening | 300mm | 320mm | 300mm | 300mm | 300mm |
| Pre-Filter | Polyester fiber, Washable | | | | |
| HEPA Filter | 99.999% efficiency at 0.3µm. | | | | |
| Airflow Velocity | 0.3-0.5m/s, speed adjustable | | | | |
| Noise | ≤65dB | | | | |
| UV Lamp | 20W*1 | 20W*2 | 30W*1 | 30W*1 | 40W*1 |
| | Emission of 253.7 nanometers, with UV timer | | | | |
| Illumination Lamp | LED 8W*2 | 40W*1 | LED12W*2 | LED12W*2 | LED12W*2 |
| Illumination | ≥1000Lux | | | | |
| Shelf with IV Bar | Stainless steel, 502*150*50mm (W*D*H) | | | | |
| Caster | Universal caster with leveling feet | | | | |
| Consumption | 400W | 300W | 600W | 600W | 600W |
| Waterproof Socket | Two, total load≤500W | | | | |
| Power Supply | AC220V±10%, 50/60Hz; 110V±10%, 60Hz | | | | |
| Standard Accessory | UV lamp, Fluorescent lamp, Base stand, Waterproof socket*2, Shelf with IV bar | | | | |
| Optional Accessory | Electric height adjustable base stand | | | | |
| Gross Weight | 130kg | 150kg | 170kg | 180kg | 200kg |
| Package Size (W*D*H) | 950*930*1370mm | 1150*930*1370mm | 1350*930*1370mm | 1450*930*1370mm | 1650*930*1370mm |

# Fume Hood

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

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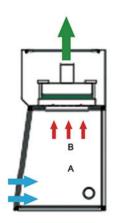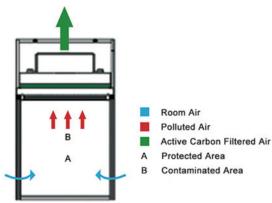Importers & Manufacurers
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# Ducted Fume Hood

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

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

### Folding acrylic front window, down part with free stop function

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

# Ducted Fume Hood



## ADVANTAGE

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

## TECHNICAL PARAMETERS

| Model | FH1000(E) | FH1200(E) | FH1500(E) | FH1800(E) |
|---|---|---|---|---|
| External Size(W*D*H) | 1000*800*2515mm | 1200*800*2515mm | 1500*800*2515mm | 1800*800*2515mm |
| Internal Size(W*D*H) | 790*600*870mm | 990 *600*870mm | 1290*600*870mm | 1590*600*870mm |
| Work Surface Height | 900mm | | | |
| Max Opening | 750mm | | | |
| Air Velocity | 0.3~0.8m/s | | | |
| System Exhaust Volume | 570 m³/h | 710 m³/h | 930 m³/h | 1140 m³/h |
| Noise | ≤68dB | | | |
| Exhaust Duct | PVC, Standard length: 4 meters φ300mm | | | |
| Pipe Strap | 2 pcs | | | |
| LED Lamp | 8W *1 | 12W *1 | 16W *1 | 16W *1 |
| Blower | Built-in PP centrifugal blower | | | |
| Front Window | Manual, 5mm toughened glass, height adjustable | | | |
| Power Supply | 220V±10%, 60/50Hz; 110V±10%, 60Hz | | | |
| Consumption | 400W | 400W | 500W | 500W |
| Material — Exterior | 1.0mm cold-rolled steel with bacteria power coating. | | | |
| Material — Interior | High grade melamine board with good acid and alkali resistance function | | | |
| Material — Work table | Chemical resistant phenolic resin | | | |
| Standard Accessory | Water tap, Water sink, LED lamp, Total load of 2 waterproof sockets: 500W , Built-in PP blower, 4 meters PVC exhaust duct, pipe strap*2 | | | |
| Optional Accessory | Gas tap | | | |
| Weight(Net/Gross) | 250kg/270kg | 275kg/300kg | 300kg/330kg | 330kg/365kg |
| Package — Main Body | 1140*940*1850mm | 1340*940*1850mm | 1640*940*1850mm | 1940*940*1850mm |
| Package — 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 | | | |
| Noise | | ≤68dB | | | |
| Exhaust Duct | | PVC, Standard length: 4 meters. Φ300mm | | | |
| LED Lamp | | 8W*1 | 12W*1 | 16W*1 | 16W*1 |
| UV Lamp | | Emission of 253.7 nanometers for most efficient decontamination | | | |
| Blower | | Built-in centrifugal blower; Speed adjustable | | | |
| Front Window | | 5mm toughened glass; Motorized; Height adjustable | | | |
| Power Supply | | AC220V±10%, 50/60Hz; 110V±10%, 60Hz | | | |
| Consumption | | 400W | 400W | 500W | 500W |
| Material | Exterior | Cold-rolled steel with anti-bacteria powder coating. | | | |
| | Interior | High grade melamine board with good acid and alkali resistance function | | | |
| | Work Table | Chemical resistant phenolic resin | | | |
| Standard Accessories | | UV lamp*2, LED lamp, Water tap, Gas tap, Water sink, Base cabinet Total load of 2 waterproof sockets: 500W 4 meter PVC exhaust duct, pipe strap*2 | | | |
| Optional Accessory | | Active carbon filter | | | |
| Gross Weight | | 286kg | 317kg | 350kg | 400kg |
| Package | Main Body | 1190*990*1690 mm | 1390*990*1690 mm | 1690*990*1690mm | 1990*990*1690mm |
| | Base Cabinet | 1190*990*980mm | 1390*990*980mm | 1690*970*970mm | 1990*990*980mm |

LED Display

Waterproof Socket

Water&Gas Remote Control

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

# Ducted PP Fume Hood

**BIOBASE**

## ADVANTAGE

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

## TECHNICAL PARAMETERS

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

**LED Display**

**Waterproof Socket**

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

**Water&Gas Remote Control**

## Ductless Fume Hood

## ADVANTAGE

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

## TECHNICAL PARAMETERS

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

**LED Display**
Digital LED display: Airflow Level

**Water & Gas Tap Water Sink**

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

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

**Back Side Air Compensation**
To aviod turbulence in work area

## Ductless Fume Hood



**LCD Display**
LCD Touch Screen
Control Panel

**Waterproof Socket**

**Front Window**
Front window reversal design

**Water & Gas tap reserve mouth**

**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. Double-layers structure: 1mm sheet metal surface; Chemical resistant phenolic resin work table.
7. Electronic control system, anti-overload, anti-electric shock, stable performance, long service life.
8. Inside and outside probe, detect indoor air pollution and filter conditions. Audible and visual alarm for changing filter.

## TECHNICAL PARAMETERS

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

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# Walk-in Fume Hood



Water Sink



Water & Gas Remote Control Valve



Water & Gas Tap



Application



Application

## ADVANTAGE

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

## TECHNICAL PARAMETERS

| Model | | FH1200(W) | FH1500(W) | FH1800(W) |
|---|---|---|---|---|
| External Size (W*D*H) | | 1200*800*2200mm | 1500*800*2200mm | 1800*800*2200mm |
| Internal Size (W*D*H) | | 980*600*1650mm | 1280*600*1650mm | 1580*600*1650mm |
| Max Opening | | 1300mm | | |
| Exhaust Airflow Volume | | 1150m³/h | 1500m³/h | 1850m³/h |
| Inflow Air Velocity | | 0.3~0.8m/s | | |
| Noise | | 62dB | | |
| Vibration | | XYZ direct ≤ 4µm | | |
| Illumination | | ≥800Lux | | |
| LED Lamp | | 12W*2 | 16W*2 | 16W*2 |
| Power Supply | | AC220V±10%, 50/60Hz; 110V±10%, 60Hz | | |
| Consumption | | 400W | 600W | 800W |
| Front Window | | Manual, Toughened glass | | |
| Material | Exterior | 1.0mm cold-rolled steel with bacteria powder coating. | | |
| | Interior | High grade melamine board with good acid and alkali resistance function | | |
| Standard Accessory | | Blower(External), LED lamp, Water tap, Gas tap, PP cup sink, Remote control water valve, Remote control gas valve, Waterproof sockets*4, 4 meters PVC exhaust duct | | |
| Sockets | | Total load of 4 waterproof sockets: ≤500W | | |
| Package Size (W*D*H) | Main Body | 1400*1050*2430mm | 1710*1050*2430mm | 2010*1050*2430mm |
| | Exhaust Blower | 970*810*720mm | 970*810*720mm | 970*810*720mm |

# Mobile Fume Extractor

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

## TECHNICAL PARAMETERS

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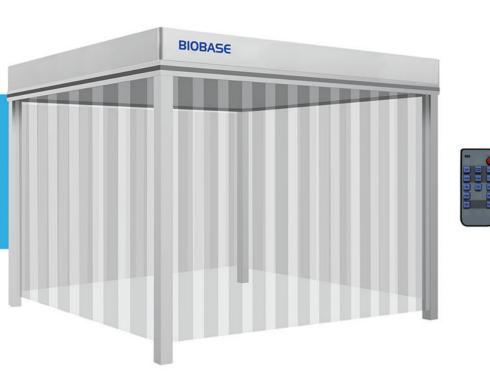
# Clean Booth (Down Flow Booth)

**Customization Available**


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) | 1500*2000*2530mm | 2000*3000*2530mm | 3000*4000*2530mm | 5000*5000*2530mm |
| HEPA Filter | 99.999% efficiency at 0.3μm | | | |
| Consumption | 800W | 1500W | 2800W | 5000W |
| FFU Nos. | 4 pcs | 6 pcs | 12 pcs | 25 pcs |
| Clean Level | ISO 5 (Class 100), Class A | | | |
| Control System | Microprocessor control system | | | |
| Rectangular Tube Material | Aluminium alloy | | | |
| Wall Material | Anti-static dustproof curtain | | | |
| Blower | Built-in centrifugal blower; speed adjustable | | | |
| UV Lamp | 40W*2 | 40W*2 | 40W*3 | 40W*5 |
| | Emission of 253.7nanometers, with UV timer | | | |
| Illuminating Lamp | 16W*1 | 16W*2 | 16W*3 | 16W*5 |
| | LED Lamp, Illumination: ≥500lux | | | |
| Air Velocity | 0.1~0.6m/s, average 0.45m/s | | | |
| Noise | ≤75db | | | |
| Power Supply | AC220V±10%, 50/60Hz; 110V±10%, 60Hz | | | |
| Gross Weight | 390kg | 670kg | 1100kg | 2900kg |
| Package Size(W*D*H) | 2110*930*920mm 2280*660*500mm | 3080*980*1280mm 3080*660*550mm | 3080*980*1280mm 3080*980*1280mm 4080*660*550mm | 4080*980*1280mm 4080*980*1280mm 4080*980*1280mm 1260*660*1280mm 5080*460*500mm |

**Customized design for clean level, size or material is available**



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# Dispensing Booth (Sampling or Weighing Booth)

**Customization Available**

Reference Picture

**Air Flow Pattern**

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

**LCD Display**
Microprocessor control system

Reference Picture

**Soft Wall Material**
PVC anti-static dustproof curtain.

## INTRODUCTION

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

Dispensing booth is also called sampling booth or weighing booth.

## FEATURES

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

## TECHNICAL PARAMETERS

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

Customized design for clean level, size or material is available

# Pathology Workstation

## APPLICATION

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

## ADVANTAGE

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

## TECHNICAL PARAMETERS

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

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

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

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

### Water Tap & Sink
Stainless steel;
Whole-structure.

### Flex Magnifier Light(Optional)

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

## Chicken Isolator



## INTRODUCTION

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

## ADVANTAGE

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

## TECHNICAL PARAMETERS

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

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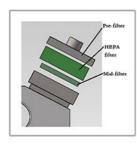Temperature and humidity, with fan, UV lamp, fluorescent lamp, heating lamp control buttons.

### 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

# Air Purifier

## QRJ-128



## KJH-350

LED Display

Remote Control

## FEATURES

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

## ADVANTAGE

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

## TECHNICAL PARAMETERS

| Model | QRJ-128 | KJH-350 |
|---|---|---|
| External Size(W*D*H) | 900×120×1500 mm | 403*245*603mm |
| Filter | HEPA filter | 1st layer: Pre-Filter, 2nd layer: HEPA Filter<br>3rd layer: Active Filter |
| Optimal Space | ≤15m² | 40~65m² |
| Noise | ≤58dB | <65dB |
| Consumption | 240W | 65W |
| Adjustable Air Speed | 3 levels | 4 levels |
| Power Supply | AC220V±10%, 50/60Hz; 110V±10%, 60Hz | |
| Cleanness at Outlet | Class 100 | |
| Gross Weight | 58kg | 13.5kg |
| Package Size(W*D*H) | 1090*455*1600mm | 478*318*690mm |

# Air Shower

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

## Features

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

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

# Pass Box

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

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