

BIOBASE Class II Biosafety Cabinet

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

Advantage of BIOBASE Class II Biosafety Cabinet:

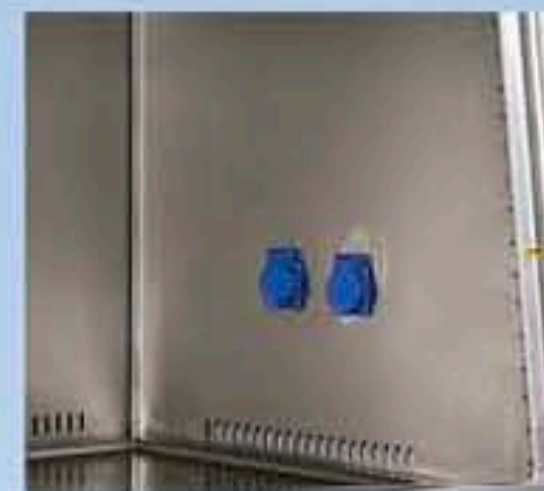
1. Remote Control. All functions can be realized with it, making the operation much easier and convenient.



Remote Control



Foot Switch



Side Intake Grille

2. Motorized Front Window.

3. Foot Switch. The height of the front window can be adjusted by foot during experiment. This can avoid work area airflow turbulence caused by arm movement.

4. Work area surrounded by negative pressure, it can ensure maximum safety in work area

5. Time Reserve Function.

6. Audio and visual alarm (Filter replacement, Window over height, Air flow abnormal etc).

7. HEPA filter life and UV life Inquiry.

8. Air speed adjustable by control panel.



9. Interlock Function: UV lamp and front window; UV lamp and blower, fluorescent lamp; Blower and front window.

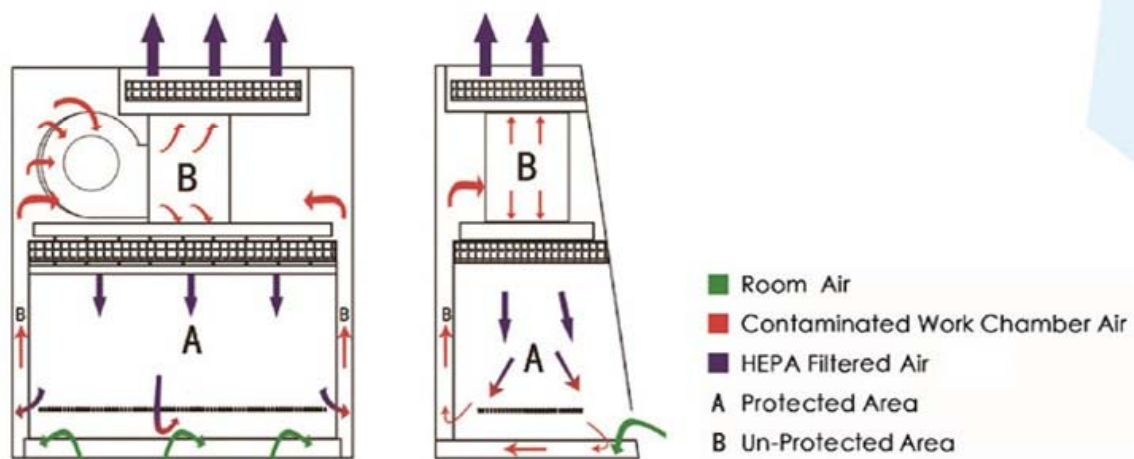
10. Voice prompt function: Airflow alarm, filter replacing alarm and front window height alarm.

11. Most accessories are standard. No need to pay more, save your money.

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

Class II A2 Biological Safety Cabinet

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



Class II A2 Biological Safety Cabinet



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



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



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



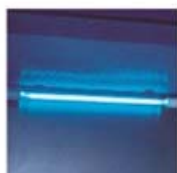
Footmaster Caster
Universal caster with brake and leveling feet.



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



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



UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.



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

ADVANTAGE

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

TECHNICAL PARAMETERS

| Model | BSC-1100IIA2-X | BSC-1300IIA2-X | BSC-1500IIA2-X | BSC-1800IIA2-X | BSC-2000IIA2-X |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------|------------------|------------------|
| Internal Size(W*D*H) | 940*600*660mm | 1100*600*660mm | 1300*700*630mm | 1710*600*660mm | 1800*600*660mm |
| External Size(W*D*H) | 1100*750*2250mm | 1300*850*2200mm | 1500*840*2280mm | 1870*750*2290mm | 1950*800*2305mm |
| Tested Opening | Safety Height ≤ 200 mm | | | | |
| Max Opening | 400 mm | | | | |
| Inflow Velocity | 0.53±0.025 m/s | | | | |
| Downflow Velocity | 0.33±0.025 m/s | | | | |
| HEPA Filter | Two, 99.999% efficient at 0.3 um. Filter life indicator. | | | | |
| Front Window | Motorized. Two-layer laminated toughened glass ≥ 5mm. Anti UV. | | | | |
| Noise | EN12469 ≤ 58 dB / NSF49 ≤ 61 dB | | | | |
| UV Lamp | 18W*1 | 18W* 1 | 30W* 1 | 40W*1 | 40W* 1 |
| | UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination. | | | | |
| Fluorescent Lamp | 21W*2 | 21W*2 | 28W*2 | 40W*2 | 40W*2 |
| Illumination | ≥1000Lux | | | | |
| Consumption | 760W | 1060W | 1300W | 1350W | 1700W |
| Waterproof Sockets | Two, total load of two sockets: 500W | | | | |
| Display | LCD display: exhaust filter and downflow filter pressure, filter and UV lamp working time, inflow and downflow velocity, filter life, humidity and temperature, system working time etc. | | | | |
| Control System | Microprocessor | | | | |
| Airflow System | 70% air recirculation, 30% air exhaust | | | | |
| Visual and Audio Alarm | Filter replacement, window over height, abnormal air flow velocity. | | | | |
| Material | Work Zone: 304 stainless steel Main Body: Cold-rolled steel with anti-bacteria powder coating. | | | | |
| Work Surface Height | 750mm | | | | |
| Caster | Universal caster with brake and leveling feet. | | | | |
| Power Supply | 110/220V±10%, 60/50Hz | | | | |
| Standard Accessory | Fluorescent lamp, UV lamp*2, Base stand, Remote control, Foot switch, Drain valve, Waterproof sockets*2 | | | | |
| Optional Accessory | Water and gas tap | | | | |
| Gross Weight | 255kg | 305kg | 350kg | 390kg | 420kg |
| Package Size(W*D*H) | 1250*1050*1870mm | 1450*1050*1870mm | 1640*1040*1860mm | 2010*1050*1960mm | 2090*1050*1860mm |