

# BIOLOGICAL SAFETY CABINET CLASS II A2



**BSC-1**



**BSC-2**



**BSC-3**

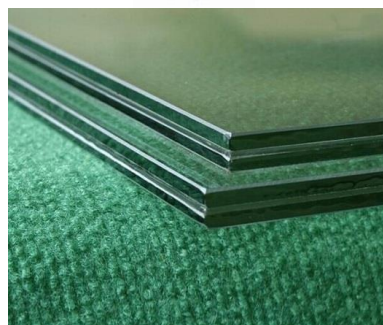
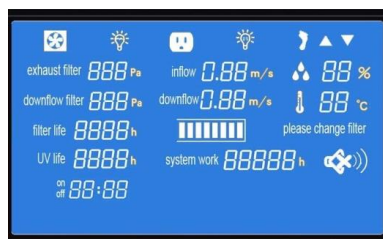
## Biological Safety Cabinet Class II A2

### Introduction:

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

### 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.



### 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:

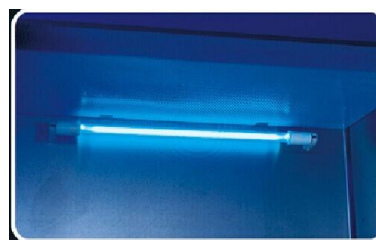
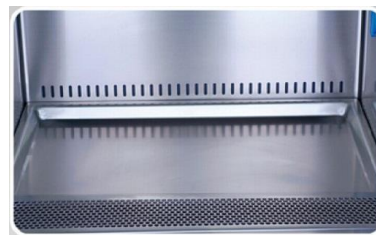
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### Front Window:

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

### Waterproof Socket:

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



### Work Zone:

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

### UV lamp:

Emission of 253.7 nanometers for most efficient decontamination.

### Foot Switch:

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

### Footmaster caster:

Universal caster with brake and leveling feet.

### Specification:

**PHYLO**  
FOR TECHNOLOGY

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Biological safety Cabinet	<b>BSC-3</b>	<b>BSC-2</b>	<b>BSC-1</b>
Model	<b>BSC-1100-II-A2-X</b>	<b>BSC-1300-II-A2-X</b>	<b>BSC-2000-II-A2-X</b>
Internal Size(W*D*H)	940* 600*660 mm	1100*600*660 mm	1800*600*660 mm
External Size(W*D*H)	1100* 750* 2250 mm	1300*850*2200 mm	1950*800*2305 mm
Tested Opening	Safety Height ≤ 200 mm		
Inflow Velocity	0.53±0.025 m/s		
Max Opening	400 mm		
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	40W* 1
	UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination.		
Fluorescent Lamp	21W*2	21W*2	40W*2
Illumination	≥1000Lux		
Consumption	760W	1060W	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		
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	420kg
Package Size(W*D*H)(mm)	1250× 1050× 1870	1450*1050*1870	2090*1050*1860