

Class II A2 Biological Safety Cabinets

Biological safety cabinet is necessary equipment in the laboratory in the search of microbiology, biomedical, DNA recombinant, animal experiment and biological products, especially in the occasion that operator need to adopt protective measure, such as medical and health, pharmacy, medical research.

Our equipment provides a safety working environment which don't have bacterial and dust in the process of bacterial culture.



LCD Display

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

Features

- Motorized front window.
- Time reserve function.
- ULPA filter life and UV life indicator.
- Automatic air speed adjustable with filter block.
- With memory function in case of power-failure.
- Audio and visual alarm (Abnormal airflow velocity; Filter replacement; Front window at unsafe height).
- Work area surrounded by negative pressure, it can ensure maximum safety in work area.
- Audio and visual alarm (Filter replacement, window over height, abnormal air flow velocity etc).
- Remote control: all functions can be realized with it, making the operation much easier and more convenient.
- Interlock function: UV lamp and front window; UV lamp and blower, LED lamp; blower and front window.
- Foot switch: adjust front window height by foot during experiment, to avoid airflow turbulence caused by arm movement.

Specifications

Model	BL-1100IIA2	BL-1300IIA2	BL-1500IIA2	BL-1800IIA2	BL-2000IIA2
Internal Size (W*D*H)	940* 600*660 mm	1150*600*660 mm	1350*600*660 mm	1625*600*660 mm	1800*600*660 mm
External Size (W*D*H)	1100*750*2250mm	1300*750*2250mm	1500*750*2250 mm	1800*775*2290 mm	1950*800*2170 mm
Tested Opening	Safety Height = 200 mm(8")				
Max Opening	420mm(17")	420mm(17")	500mm(20")	550mm(22")	400mm(16")
Inflow Velocity	0.53±0.025 m/s	0.53±0.025 m/s	0.53±0.025 m/s	0.53±0.025 m/s	0.53±0.025 m/s
Downflow Velocity	0.33±0.025 m/s	0.33±0.025 m/s	0.33±0.025 m/s	0.33±0.025 m/s	0.33±0.025 m/s
ULPA Filter	Two, 99.9995% efficient at 0.12um. Filter life indicator.				
Front Window	Motorized. Two-layer laminated toughened glass ≥ 5mm. Anti UV.				
Noise	EN12469 ≤ 58 dB / NSF49 ≤ 61 dB				
UV Lamp	30W*1 UV timer, UV life indicator, emission of 253.7 nanometers , for most efficient decontamination.		40W* 1 UV timer, UV life indicator, emission of 253.7 nanometers , for most efficient decontamination.		
Illuminating Lamp	LED Lamp 12W*2	LED Lamp 12W*2	LED Lamp 16W*2	LED Lamp 16W*2	LED Lamp 16W*2
Illumination	≥1000Lux	≥1000Lux	≥1000Lux	≥1000Lux	≥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	Microprocessor	Microprocessor	Microprocessor	Microprocessor
Airflow System	70% air recirculation, 30% air exhaust				
Visual and audio alarm	Filter replacement, front window at unsafe height, abnormal airflow velocity.				
Material	Work Zone: 304 stainless steel Main Body: Cold-rolled steel with anti-bacteria powder coating.				
Work Surface Height	750mm	750mm	750mm	750mm	750mm
Caster	Footmaster caster	Footmaster caster	Footmaster caster	Footmaster caster	Footmaster caster
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz				
Standard Accessory	LED 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× 1840 mm	1460*1050*1800 mm	1630*1000*1820 mm	1930*1000*1820 mm	2090*1050*1860 mm

Accessories



Remote Control

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



Air-Vent

Only for BSC-1100IIA2-X and BSC-1500IIA2-X



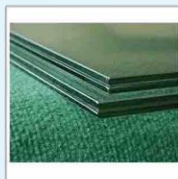
Work Zone

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



Footmaster Caster

Universal caster with brake and leveling feet.



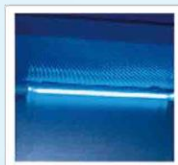
Front Window

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



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.