Basic Series Class II A2 Biological Safety Cabinet

BSC-1100/1300/1500IIA2-X   BSC-1800/2000IIA2-X

ADVANTAGE

1. Motorized front window.
2. Time reserve function.
3. ULPA 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 beyond safe height; High filter pressure alarm).
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

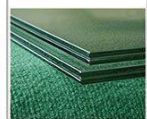| Model	BSC-1100IIA2-X	BSC-1300IIA2-X	BSC-1500IIA2-X	BSC-1800IIA2-X	BSC-2000IIA2-X
External Size(W*D*H)	1100*750*2250mm	1300*750*2250mm	1500*750*2250mm	1800*775*2290mm	1950*800*2170mm
Internal Size(W*D*H)	940*600*660mm	1150*600*660mm	1350*600*660mm	1625*600*660mm	1800*600*660mm
Tested Opening	Safety Height 200mm(8")				
Max Opening	420mm(17")	420mm(17")	500mm (20")	500mm(20")	400mm(16")
Inflow Velocity	0.53±0.025 m/s				
Downflow Velocity	0.33±0.025 m/s				
ULPA Filter	Two, 99.9995% efficiency at 0.12µm. Filter life indicator.				
Front Window	Motorized. Two-layer laminated toughened glass ≥ 6mm. Anti UV.				
Noise	≤ 67dB				
UV Lamp	30W*1	30W*1	40W*1	40W*1	40W*1
	UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination.				
Illuminating Lamp	LED lamp				
	12W*2	12W*2	16W*2	16W*2	16W*2
Illumination	≥1000Lux				
Consumption	600W	800W	1300W	1300W	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	Abnormal airflow velocity, Filter replacement, Front window at unsafe height, High filter pressure alarm.				
Material	Work Zone: 304 stainless steel				
	Main Body: Cold-rolled steel with anti-bacteria powder coating.				
Work Surface Height	750mm(Size can be customized according to requirements)				
Caster	Footmaster caster				
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz				
Standard Accessory	LED lamp*2, UV lamp*1, Base stand, Remote control, Foot switch, Drain valve, Waterproof sockets*2				
Optional Accessory	Water and gas tap, Electric height adjustable base stand,Armrest, chair, Color Touch Screen				
Gross Weight	220kg	280kg	316kg	366kg	420kg
Package Size(W*D*H)	1220*1000*1820mm	1460*1000*1820mm	1630*1000*1820mm	1930*1000*1820mm	2090*1050*1860mm

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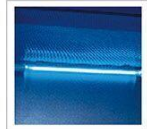

Color Touch Screen (optional)
Touch operation, real-time and clearer display of various values and appointment timing function.

Air-Vent

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

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

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.