

CLASS II BIOLOGICAL SAFETY CABINET BSC21-1150B2



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BSC21-1150B2

It operates with a negative air pressure for personnel protection and HEPA filtered laminar airflow for product protection to meet the requirements for the environment from microorganisms and aerosols. Features like Time reverse function, Interlock function, low noise and Filter Life Indicator makes the product beneficial and reliable.

Used in Cell culturing, Genetics, Microbiological, Research, Cell Biology, Molecular Biology, Plant, Laboratory. Also known as Class II BSC, Biosafety Cabinet.

BSC21-1150B2 CLASS II BIOLOGICAL SAFETY CABINET

Time reserve function

Stainless Steel 304 table for operation

Digital VFD display for easy monitoring of all parameters

Emission of 253.7 nm for highly efficient decontamination

Two-layered marinated toughened glass ($\geq 5\text{mm}$) motorized front window

Negative air pressure provides personnel protection by constant movement of air in working area

Remote control operation including front sash movement and fan speed control

Motored front window with timer function

Intrinsic sterilization is achieved after activating cabinet for 30 min via UV timing

Filter Life Indicator: Pressure value displayed to show life utility of main filter

Foot switch to adjust the height of the front window

Low noise and high energy efficiency for operational cost savings

Audio and visual alarm for filter replacement, front window over height and abnormal airflow



SPECIFICATIONS

Model	BSC21-1150B2
Type	Class II, Type B2
HEPA Filter	2
HEPA Filter Efficiency	99.999% efficiency at 0.3 μm . Filter life Indicator
Pre-Filter	Washable
Minimum Face Velocity	75 linear feet per minute (lfpm)
Inflow Velocity	0.53 \pm 0.025m/s
Down Flow Velocity	0.33 \pm 0.025 m/s
Airflow System	0% air re-circulation, 100% air exhaust
LED Lamp	21Wx2
UV Lamp	18Wx1
Illumination	≥ 1000 lux
Work Surface Height	750 mm
Tested Opening	200 mm
Max Opening	420 mm
Inner Dimension (WxDxH)	1150 \times 600 \times 660 mm
Overall Dimension (WxDxH)	1300 \times 750 \times 2250 mm

Package Size	1460x1050x1800 mm (Main Body) 970x810x630 mm (Exhaust blower)
Caster	Universal Wheel with brake and levelling feet
Front Window	Motorized, two layer laminated toughened glass ≥ 5 mm, Anti UV
Control System	Microprocessor
Chamber Material	Cold-rolled steel coated with anti-bacteria powder coating
Socket	Two, Total load of two sockets: 500W
Tap	Water tapx1, Gas tapx1
Noise Level	≤ 62 dB
Weight	276 kg
Power	850 W
Power Supply	110~240V/50~60Hz

ACCESSORIES

Accessory Code	Name	Description
LS53467	Fluorescent Lamp	
LS53479	UV Lampx2	
LS53491	Base Stand	
LS53503	Remote Control	
LS53515	Foot switch	

Accessory Code	Name	Description
LS53527	Drain Valve	
LS53539	Waterproof Sockets	
LS53563	Exhaust Blower	4 meter PVC Duct, 300mm Diameter
LS53575	Exhaust Duct	

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	External Dimension	Package Size (mm)
LS53006	Infrared Sterilizer		150x95x210 mm	
LS53018	Airflow Tester			
LS53030	Formalin Fumigation Sterilizer			300x200x160 mm
LS53042	Ammonium Hydrogen Carbonate Neutralizer			300x200x160 mm
LS53054	Armrest			
LS53066	Laboratory Chair			
LS53078	Dust Particle Counter			
LS53090	Digital Sound Level Meter			
LS53102	Illumination Meter			
LS53114	Air Flow Anemometer			
LS53126	Protective Garment			
LS53138	Protective Gloves			



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