

CLASS II BIOLOGICAL SAFETY CABINET BSC21-0910A2



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BSC21-0910A2

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.

BSC21-0910A2 CLASS II BIOLOGICAL SAFETY CABINET

Stainless Steel 304 table for operation

Digital LCD display for easy monitoring of all parameters

Emission of 253.7 nm for highly efficient decontamination

Motored front window with timer function

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

Foot switch to adjust the height of the front window

Centrifugal fan speed adjustable: H14 HEPA filter

Collecting tank (4000 ml) collects spatters of working area without any leakage

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

Air drawn into the cabinet through air grill

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

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	BSC21-0910A2
Type	Class II, Type A2
Filter	HEPA Filter - Two, 99.995% efficiency at $0.3\mu\text{m}$, filter life indicator Filter Guard Type - Aluminum alloy frame, glass filter paper
Tested Opening	Safety height 200mm (8")
Work Surface Height	750 mm
Max Opening	520 mm (21")
Airflow System	Air Flow Volume: 348 m ³ / h (205cfm) 35%: 348 m ³ /h (205cfm) Inflow Downflow Exhaust: 65%: 649 m ³ /h (382 cfm)
Front Window	Manual, Laminated toughened glass, Anti UV
Work Zone Material	304 Stainless steel Frame and decorative plate
Main Body Material	Cold roller steel with anti bacteria powder coating
UV Lamp	20W 30W Germicidal UV lamp, Emission of 253.7nanometers for most efficient decontamination, UV timer, UV life indicator
LED Lamp	10W x2
Visual and Audio Alarm	Abnormal airflow velocity, Filter replacement, Front window at unsafe height, High filter pressure alarm

Motor	One ECM motor, 230V acceptable, Speed adjustable, high efficiency and low power consumption
Waterproof Socket	Two, Total consumption: ≤500W
Noise	EN 12469≤58 dB
Standard Accessory	LED lamp 2pcs, UV lamp 1 pc, Base stand SS water tap x1, SS gas tap x1, Drain valve, Waterproof sockets x2, Stainless steel I.V. bar with 10 hooks, Ground Resistant - ≤0.10Ω
Optional Accessory	Armrest, Airflow tester, formalin fumigation sterilizer, infrared sterilizer, remote control, Electric height adjustable base stand , Motorized front window
Illumination	> 1000 lux
Display	LCD Display
Internal Size (WxDxH)	910x600x660 mm
External Size (WxDxH)	1087x775x2265 mm
Package Size (WxDxH)	1250x1080x1840 mm
Consumption	<550W
Gross Weight	270 kg
Power Supply	AC 230V, 50Hz

ACCESSORIES

Accessory Code	Name
5900505012	UV Lampx2

OPTIONAL ACCESSORIES

Accessory Code	Name	External Dimension	Package Size (mm)
2100505005	Infrared Sterilizer	150x95x210 mm	
2100505006	Airflow Tester		
2100505007	Formalin Fumigation Sterilizer		300x200x160 mm
2100505008	Ammonium Hydrogen Carbonate Neutralizer		300x200x160 mm
2100505009	Armrest		
2100505010	Laboratory Chair		
2100505011	Dust Particle Counter		
2100505012	Digital Sound Level Meter		
2100505013	Illumination Meter		
2100505014	Air Flow Anemometer		
2100505015	Protective Garment		
2100505016	Protective Gloves		

LABSTAC

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