

# 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
HEPA Filter	2
HEPA Filter Efficiency	99.999% efficiency at 0.3 $\mu\text{m}$ , filter life Indicator
Airflow Volume Inflow	349 m <sup>3</sup> / h (205cfm)
Airflow Volume Downflow	64%: 638 m <sup>3</sup> /h (375 cfm)
Airflow Volume Exhaust	36%: 359 m <sup>3</sup> /h (211cfm)
Filter Guard Type	Aluminum alloy frame
Minimum Face Velocity	75 linear feet per minute (lfpm)
Inflow Velocity	0.53 $\pm$ 0.025m/
Down Flow Velocity	0.35 $\pm$ 0.025m/s
UV Lamp	18Wx1
Illumination	>1000 lux
Work Surface Height	750 mm
Tested Opening	200 mm

Max Opening	550 mm
Inner Dimension (WxDxH)	910x600x600 mm
Overall Dimension (WxDxH)	1087x775x2265 mm
Package Size	1250x1080x1840 mm
Caster	None
Front Window	Motorized. Two layer laminated toughened glass $\geq$ 5 mm, Anti UV
Chamber Material	Cold-rolled steel coated with anti-bacteria powder coating
Socket	Two, Total consumption: $\leq$ 500W
Tap	Water tapx1, Gas tapx1
Ground Resistance	$\leq$ 0.10 $\Omega$
Noise Level	NSF 49 $\leq$ 61 dB/EN 12469 $\leq$ 58 dB
Weight	270 kg
Power	300 W
Power Supply	AC220V/110V, 50Hz/60HZ, 9A, BTU/Hr: 1689

## ACCESSORIES

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

Accessory Code	Name	Description
LS53527	Drain Valve	
LS53539	Waterproof Sockets	
LS53551	Stainless Steel water & Gas Taps	

## 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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82 Wendell Avenue, STE 100, Pittsfield, MA, 01201, USA  
Email: [info@centrifugen.com](mailto:info@centrifugen.com) | Website: [centrifugen.com](http://centrifugen.com)