BIOLOGICAL SAFETY CABINET CLASS II BCBS-307

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Biolab Biological Safety Cabinet Class II Series is engineered specifically for laboratory operations that require user and product protection. Operates with a negative air pressure for personnel protection and HEPA filtered laminar airflow for product protection. Suitable for microbiological and research applications that do not involve radioactive substances and toxic contaminants.

Used in Cell culturing, Genetics, Microbiological, Research, Cell Biology, Molecular Biology, Plant, Laboratory.

Also known as Class II BSC, Biosafety Cabinet.

BCBS-307 BIOLOGICAL SAFETY CABINET CLASS II

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 (≥5mm) 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

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	BCBS-307
Type	Class II, Type A2
Filter	ULPA Filter, efficiency > 99.9995% for particle size at 0.12 μm
Inflow Velocity	0.53±0.025 m/s
Down Flow Velocity	0.33±0.025 m/s
Exhaust	Exhaust Filter: ULPA Filter: First exhaust filter:0.12μm efficiency 99.9995%. HEPA Filter: Secondary exhaust filter:0.3μm efficiency 99.9995%. Exhaust Volume: 465m3/h
Tested Opening	Safety height 200 mm (8")
Max Opening	440 mm (17")
UV Lamp	30Wx1 Emission of 253.7 nanometers for most efficient decontamination UV life indicator, UV timer
LED Lamp	16Wx2
Illumination	≥1000 lux
Display	LCD Display
Control System	Microprocessor
Humidity and Temperature	Humidity and Temperature can be displayed on the control panel
Work Zone Material	304 Stainless steel
Main Body Material	Cold roller steel with anti bacteria powder coating
Front Window	Motorized, two layer laminated toughened glass ≥ 6 mm, Anti UV
Caster	Footmaster Caster

Visual and Audio Alarm	Abnormal airflow velocity; filter replacement; front window at unsafe height; High filter pressure alarm
Noise	≤67dB
Waterproof Socket	Two, total load of sockets: <500W
Standard Accessory	Base Stand, Drain Valve, Waterproof sockets x2, Remote control, LED lamp x2, UV lamp x1, Water tap x1, Gas tap x1
Optional Accessory	Armrest, Formailn fumigation sterilizer, Infrared sterilizer, Airflow tester
Internal Size (WxDxH)	1220x600x630 mm
External Size (WxDxH)	1380x760x2100 mm
Package Size (WxDxH)	1540x910x2280 mm
Gross Weight	371 kg
Consumption	900W
Power Supply	AC220V+10% 50/60Hz ; 110V+, 60Hz

ACCESSORIES

Accessory Code	Name
6000606013	UV Lampx2

OPTIONAL ACCESSORIES

Accessory Code	Name	External Dimension	Package Size (mm)
2200606006	Infrared Sterilizer	150x95x210 mm	
2200606007	Airflow Tester		
2200606008	Formalin Fumigation Sterilizer		300x200x160 mm
2200606009	Ammonium Hydrogen Carbonate Neutralizer		300x200x160 mm
2200606010	Armrest		
2200606011	Laboratory Chair		
2200606012	Dust Particle Counter		
2200606013	Digital Sound Level Meter		
2200606014	Illumination Meter		
2200606015	Air Flow Anemometer		
2200606016	Protective Garment		
2200606017	Protective Gloves		

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