BIOLOGICAL SAFETY CABINET CLASS II BCBS-403

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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-403 BIOLOGICAL SAFETY CABINET CLASS II

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 (≥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

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	BCBS-403
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±0.025m/s
Down Flow Velocity	0.33 ±0.025 m/s
Airflow System	0% air re-circulation, 100% air exhaust
LED Lamp	28Wx2
UV Lamp	40Wx1
Illumination	≥1000 lux
Work Surface Height	750 mm
Tested Opening	200 mm
Max Opening	500 mm
Inner Dimension (WxDxH)	1350×600×660 mm
Overall Dimension (WxDxH)	1500×760×2250 mm
Package Size	1650x990x1800 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	≤62dB
Weight	302 kg
Power	900 W
Power Supply	110~240V/50~60Hz

ACCESSORIES

Accessory Code	Name	Description
BX-58522	Fluorescent Lamp	
BX-58534	UV Lampx2	
BX-58546	Base Stand	
BX-58558	Remote Control	
BX-58570	Foot switch	

Accessory Code	Name	Description
BX-58582	Drain Valve	
BX-58594	Waterproof Sockets	
BX-58618	Exhaust Blower	4 meter PVC Duct, 300mm Diameter
BX-58630	Exhaust Duct	

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	External Dimension	Package Size (mm)
BX-58061	Infrared Sterilizer		150x95x210 mm	
BX-58073	Airflow Tester			
BX-58085	Formalin Fumigation Sterilizer			300x200x160 mm
BX-58097	Ammonium Hydrogen Carbonate Neutralizer			300x200x160 mm
BX-58109	Armrest			
BX-58121	Laboratory Chair			
BX-58133	Dust Particle Counter			
BX-58145	Digital Sound Level Meter			
BX-58157	Illumination Meter			
BX-58169	Air Flow Anemometer			
BX-58181	Protective Garment			
BX-58193	Protective Gloves			