



CLASS II BIOSAFETY CABINET

CLASS II BIOSAFETY CABINET

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-301 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 ($\geq 5\text{mm}$) 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
- 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
- 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-301
Type	Class II, Type A2
HEPA Filter	2
HEPA Filter Efficiency	99.999% efficiency at 0.3 μm , Filter life Indicator
Air Circulation	0.7
Exhaust Air	0.3
Minimum Face Velocity	75 linear feet per minute (lfpm)
Inflow Velocity	0.53 \pm 0.025m/s
Down Flow Velocity	0.33 \pm 0.025m/s
LED Lamp	40Wx1
UV Lamp	15Wx1
Illumination	≥ 1000 lux
Work Surface Height	750 mm
Tested Opening	200 mm
Max Opening	370 mm
Inner Dimension (WxDxH)	600x500x540 mm
Overall Dimension (WxDxH)	700x650x1230 mm
Package Size	860x960x1450 mm (with base stand) 860x800x1450 mm (without base stand)
Caster	Yes
Front Window	Two-layer toughened glass ≥ 5 mm, Anti UV

Clean Level	Class 100
Control System	Microprocessor
Chamber Material	Cold-rolled steel coated with anti-bacteria powder coating
Socket	Two, Total load of two sockets: 500W
Noise Level	EN12469≤58dB / NSF49 ≤61dB
Weight	196 kg (with base stand) 164 kg (without base stand)
Power	500 W
Power Supply	220V~240V/50Hz~60Hz; 110V~130V/60Hz

ACCESSORIES

Accessory Code	Name	Description
BX-58522	Fluorescent Lamp	
BX-58534	UV Lampx2	
BX-58558	Remote Control	
BX-58582	Drain Valve	
BX-58594	Waterproof Sockets	

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			

200 BIOLOGICAL SAFETY CABINET CLASS II



- Time reserve function
- Stainless Steel 304 table for operation
- Emission of 253.7 nm for highly efficient decontamination
- Remote control operation including front sash movement and fan speed control
- Motorized 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
- Foot switch to adjust the height of the front window
- 2 waterproof sockets located inside panel
- Automatic air speed adjustable with filter block
- Filter Life Indicator: Pressure value displayed to show life utility of main filter
- Interlock function: Fluorescent lamp, UV lamp and front window, Blower and front window, UV lamp and blower
- Low noise and high energy efficiency for operational cost savings
- Audio and visual alarm for filter replacement, front window over height and abnormal airflow velocity
- LCD display: filter and UV lamp working time, Filter life, Exhaust filter and downflow filter pressure, Humidity and temperature, System working time, Inflow and downflow velocity etc.

SPECIFICATIONS

Model	BCBS-201	BCBS-202	BCBS-203
Type	Class II, Type A2		
HEPA Filter	2		
HEPA Filter Efficiency	99.999% efficiency at 0.3 μm . Filter life Indicator		
Air Circulation	0.7		
Exhaust Air	0.3		
Inflow Velocity	0.53 \pm 0.025 m/s		
Down Flow Velocity	0.33 \pm 0.025 m/s	0.33 \pm 0.025 m/s	
Fluorescent Lamp	21Wx2		28Wx2
UV Lamp	30Wx1		40Wx1
Illumination	≥ 1000 lux		
Work Surface Height	750 mm		
Tested Opening	200 mm		
Max Opening	420 mm		400 mm
Inner Dimension (WxDxH)	940 \times 600 \times 660 mm	1150 \times 600 \times 660 mm	1350 \times 600 \times 660 mm
Overall Dimension (WxDxH)	1100 \times 750 \times 2250 mm	1300 \times 750 \times 2250 mm	1500 \times 750 \times 2250 mm
Package Size	1220 \times 1000 \times 1840 mm	1460 \times 1050 \times 1800 mm	1630 \times 1000 \times 1820 mm
Caster	Universal Wheel with brake and levelling feet		
Front Window	Motorized, two layer laminated toughened glass ≥ 5 mm, Anti UV		
Clean Level	Class 100		
Control System	Microprocessor		
Socket	Two, Total load of two sockets: 500W		
Noise Level	EN12469 \leq 58dB / NSF \leq 61dB		

Weight	243 kg	280 kg	316 kg
Power	760 W	1060 W	1300 W
Power Supply	100/220V±10%, 50/60Hz		

Model	BCBS-204	BCBS-205
Type	Class II, Type A2	
HEPA Filter	2	
HEPA Filter Efficiency	99.999% efficiency at 0.3 µm. Filter life Indicator	
Air Circulation	0.7	
Exhaust Air	0.3	
Inflow Velocity	0.53±0.025 m/s	
Down Flow Velocity	0.33±0.025 m/s	
Fluorescent Lamp	40Wx2	
UV Lamp	40Wx2	40Wx1
Illumination	≥1000 lux	
Work Surface Height	750 mm	
Tested Opening	200 mm	
Max Opening	400 mm	
Inner Dimension (WxDxH)	1710×600×660 mm	1800×600×660 mm
Overall Dimension (WxDxH)	1870×750×2290 mm	1950×800×2305 mm
Package Size	2000×950×1820 mm	2090×1050×1860 mm
Caster	Universal Wheel with brake and levelling feet	
Front Window	Motorized, two layer laminated toughened glass ≥5 mm, Anti UV	
Clean Level	Class 100	
Control System	Microprocessor	
Socket	Two, Total load of two sockets: 500W	
Noise Level	EN12469≤58dB / NSF≤61dB	
Weight	395 kg	420 kg
Power	1350 W	1700 W
Power Supply	100/220V±10%, 50/60Hz	

ACCESSORIES

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

Accessory Code	Name	Description
BX-58570	Foot switch	
BX-58582	Drain Valve	
BX-58594	Waterproof Sockets	

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			



BCBS-201



BCBS-202



BCBS-203



BCBS-204



BCBS-205

400 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-402	BCBS-404	BCBS-401	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	21Wx2	40Wx2	21Wx2	28Wx2
UV Lamp	18Wx1	40Wx2	30Wx1	40Wx1
Illumination	≥1000 lux			
Work Surface Height	750 mm			
Tested Opening	200 mm			
Max Opening	420 mm	500 mm	420 mm	500 mm
Inner Dimension (WxDxH)	1150×600×660 mm	1670×600×660 mm	940×600×660 mm	1350×600×660 mm
Overall Dimension (WxDxH)	1300×750×2250 mm	1820×750×2250 mm	1100×750×2250 mm	1500×760×2250 mm
Package Size	1460x1050x1800 mm (Main Body) 970x810x630 mm (Exhaust blower)	1950x990x1950 mm (Main Body) 920x710x680 mm (Exhaust blower)	1220x1000x1840 mm (Main Body) 970x810x630 mm (Exhaust blower)	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		NSF 49≤61 dB / EN 12469≤58 dB	≤62dB
Weight	276 kg	408 kg	246 kg	302 kg
Power	850 W	1200 W	700 W	900 W
Power Supply	110~240V/50~60Hz	AC220V±10%, 50 Hz	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			



BCBS-402



BCBS-404



BCBS-401



BCBS-403

300 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
- 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	BCBS-304	BCBS-306
Type	Class II, Type A2	
HEPA Filter	2	
HEPA Filter Efficiency	99.999% efficiency at 0.3 μm, filter life Indicator	99.999% efficiency at 0.3 μm. Filter life Indicator
Airflow Volume Inflow	349 m ³ / h (205cfm)	649 m ³ / h (382cfm)
Airflow Volume Downflow	64%: 638 m ³ /h (375 cfm)	64%: 1190 m ³ / h (700 cfm)
Airflow Volume Exhaust	36%: 359 m ³ /h (211cfm)	36%: 669 m ³ /h (394 cfm)

Filter Guard Type	Aluminum alloy frame	
Minimum Face Velocity	75 linear feet per minute (lfpm)	
Inflow Velocity	0.53±0.025m/	0.53±0.025m/s
Down Flow Velocity	0.35±0.025m/s	
UV Lamp	18Wx1	40Wx1
Illumination	>1000 lux	≥1000 lux
Work Surface Height	750 mm	
Tested Opening	200 mm	
Max Opening	550 mm	
Inner Dimension (WxDxH)	910x600x600 mm	1700x600x660 mm
Overall Dimension (WxDxH)	1087x775x2265 mm	1873x775x2295 mm
Package Size	1250x1080x1840 mm	2020x1080x1900 mm
Caster	None	
Front Window	Motorized. Two layer laminated toughened glass≥5 mm, Anti UV	
Chamber Material	Cold-rolled steel coated with anti-bacteria powder coating	
Socket	Two, Total consumption: ≤500W	Two, Total load of two sockets: 500W
Tap	Water tapx1, Gas tapx1	
Ground Resistance	≤0.10Ω	
Noise Level	NSF 49≤61 dB/EN 12469≤58 dB	
Weight	270 kg	363 kg
Power	300 W	500 W
Power Supply	AC220V/110V, 50Hz/60HZ, 9A, BTU/Hr: 1689	

ACCESSORIES

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

Accessory Code	Name	Description
BX-58582	Drain Valve	
BX-58594	Waterproof Sockets	
BX-58606	Stainless Steel water & Gas Taps	

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			



BCBS-304



BCBS-306

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 ($\geq 5\text{mm}$) 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
- 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
HEPA Filter	2
Air Filter	ULPA Filter, >99.999% efficiency for particle size at 0.12 μm . Filter life Indicator
HEPA Filter Efficiency	99.999% efficiency at 0.3 μm . Filter life Indicator
Airflow Volume Exhaust	465 m ³ / h (273 cfm)
Minimum Face Velocity	75 linear feet per minute (lfpm)
Inflow Velocity	0.53 m/s
Down Flow Velocity	0.33 m/s
LED Lamp	28Wx2
Fluorescent Lamp	28Wx2
UV Lamp	30Wx1
Illumination	≥ 1000 lux
Work Surface Height	750 mm
Tested Opening	200 mm
Max Opening	440 mm
Internal Work Area, Space	0.73m ³
Inner Dimension (WxDxH)	1220x660x630 mm

Overall Dimension (WxDxH)	1370x760x2100 mm
Package Size	1550x900x2280 mm
Caster	Universal Wheel with brake and levelling feet
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	EN12469≤58dB/NSF49≤ 61 dB
Weight	350 kg
Power	900 W
Power Supply	AC220V± 10%,50/60HZ; 110V±10%, 60HZ

ACCESSORIES

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

Accessory Code	Name	Description
BX-58582	Drain Valve	
BX-58594	Waterproof Sockets	
BX-58606	Stainless Steel water & Gas Taps	

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			



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