

CLASS II BIOLOGICAL SAFETY CABINET BSC21-1670B2



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BSC21-1670B2

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.

BSC21-1670B2 CLASS II BIOLOGICAL SAFETY CABINET

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 ($\geq 5\text{mm}$) 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

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 | BSC21-1670B2 |
| 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 \pm 0.025m/s |
| Down Flow Velocity | 0.33 \pm 0.025 m/s |
| Airflow System | 0% air re-circulation, 100% air exhaust |
| LED Lamp | 40Wx2 |
| UV Lamp | 40Wx2 |
| Illumination | ≥ 1000 lux |
| Work Surface Height | 750 mm |
| Tested Opening | 200 mm |
| Max Opening | 500 mm |
| Inner Dimension (WxDxH) | 1670 \times 600 \times 660 mm |
| Overall Dimension (WxDxH) | 1820 \times 750 \times 2250 mm |

| | |
|------------------|---------------------------------------------------------------------|
| Package Size | 1950x990x1950 mm (Main Body) 920x710x680 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 | ≤ 62 dB |
| Weight | 408 kg |
| Power | 1200 W |
| Power Supply | AC220V \pm 10%, 50 Hz |

ACCESSORIES

| Accessory Code | Name | Description |
|----------------|------------------|-------------|
| LS53467 | Fluorescent Lamp | |
| LS53479 | UV Lampx2 | |
| LS53491 | Base Stand | |
| LS53503 | Remote Control | |
| LS53515 | Foot switch | |

| Accessory Code | Name | Description |
|----------------|--------------------|----------------------------------|
| LS53527 | Drain Valve | |
| LS53539 | Waterproof Sockets | |
| LS53563 | Exhaust Blower | 4 meter PVC Duct, 300mm Diameter |
| LS53575 | Exhaust Duct | |

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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