# CLASS III BIOLOGICAL SAFETY CABINET

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Internationally designed to work with level 4 pathogens, which features a physical barrier between the user and the product. It has unique feature Audio and visual alarm which is very useful for filter replacement. It is an excellent choice for laboratory, research work involving use of toxic chemicals, potential carcinogens and hazardous contaminants.
Used in Toxic Chemicals, Potential Carcinogens, Hazardous Contaminants, Laboratory, Research.
Also known as Class III BSC, Biosafety Cabinet.

## BC31 SERIES CLASS III 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
- Remote control operation including front sash movement and fan speed control
- Two-layered marinated toughened glass (≥5mm) motorized front window
- Motored front window with timer function
- Front window is completely sealed with≥ 8 thickness
- 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 | BC311 |
|---|---|
| Type | Class III |
| HEPA Filter | ULPA Filter 2 |
| ULPA Filter | Air Supply Filter: Efficiency 99.999% at 0.12 μm, First exhaust filter: Efficiency 99.999% at 0.12 μm, Second Exhaust Filter: Efficiency 99.999% at 0.12 μm |
| HEPA Filter Efficiency | 99.999% efficiency at 0.3 μm |
| Airflow Volume | 440-870 cfm |
| Pressure | ≥ negative 120 Pa |
| Pre-Filter | Polyester fiber, Washable |
| LED Lamp | 28 Wx2 |
| UV Lamp | 30 Wx3, 8Wx1 |
| Illumination | ≥1000 lux |
| Inner Dimension (WxDxH) | 1240x650x650 mm |

| | |
|---|---|
| Overall Dimension (WxDxH) | 1765x855x2100 mm |
| Pass Box Size (WxDxH) | Internal Size: 400x390x340 mm External Size: 480x400x400 mm |
| Package Size | 1850x1080x2280 mm |
| Front Window | 8 mm Toughened glass, Anti-UV |
| Chamber Material | Epoxy coated cold-rolled steel |
| Noise Level | NSF 49≤61 dB / EN 12469≤48 dB |
| Weight | 395 kg |
| Power | 700 W |
| Power Supply | 110V~240 V/50 Hz~60 Hz |

## ACCESSORIES

| Accessory Code | Name |
|---|---|
| BX1026 | Fluorescent Lamp |
| BX1029 | Remote Control |
| BX1031 | Drain Valve |
| BX1036 | Pressure Meter |
| BX1037 | Gloves |
| BX1038 | UV Lampx4 |

## OPTIONAL ACCESSORIES

| Accessory Code | Name | External Dimension | Package Size(mm) |
|---|---|---|---|
| BX1001 | Infrared Sterilizer | 150x95x210 mm | |
| BX1002 | Airflow Tester | | |
| BX1003 | Formalin Fumigation Sterilizer | | 300x200x160 |
| BX1004 | Ammonium Hydrogen Carbonate Neutralizer | | 300x200x160 |
| BX1005 | Armrest | | |
| BX1006 | Laboratory Chair | | |
| BX1007 | Dust Particle Counter | | |
| BX1008 | Digital Sound Level Meter | | |
| BX1009 | Illumination Meter | | |
| BX1010 | Air Flow Anemometer | | |
| BX1011 | Protective Garment | | |
| BX1012 | Protective Gloves | | |