

# CLASS II BIOLOGICAL SAFETY CABINET BSC21-0940A2



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## BSC21-0940A2

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.

## BSC21-0940A2 CLASS II BIOLOGICAL SAFETY CABINET

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

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

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                  | BSC21-0940A2                                                    |
| Type                   | Class II, Type A2                                               |
| HEPA Filter            | 2                                                               |
| HEPA Filter Efficiency | 99.999% efficiency at 0.3 $\mu\text{m}$ . 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                                            |
| Fluorescent Lamp       | 21Wx2                                                           |
| UV Lamp                | 30Wx1                                                           |
| Illumination           | $\geq 1000$ lux                                                 |
| Work Surface Height    | 750 mm                                                          |
| Tested Opening         | 200 mm                                                          |

|                           |                                                               |
|---------------------------|---------------------------------------------------------------|
| Max Opening               | 420 mm                                                        |
| Inner Dimension (WxDxH)   | 940×600×660 mm                                                |
| Overall Dimension (WxDxH) | 1100x750x2250 mm                                              |
| Package Size              | 1220x1000x1840 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                    | 243 kg                                                        |
| Power                     | 760 W                                                         |
| Power Supply              | 100/220V±10%, 50/60Hz                                         |

## ACCESSORIES

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

| Accessory Code | Name               | Description |
|----------------|--------------------|-------------|
| LS53515        | Foot switch        |             |
| LS53527        | Drain Valve        |             |
| LS53539        | Waterproof Sockets |             |

## 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                       |             |                    |                   |

# ***Centrifugen***

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