

# CLASS III BIOLOGICAL SAFETY CABINET

## TECHNICAL PARAMETERS

| MODEL               | IIIA3-X  |
|---------------------|--|
| Work Surface Height | 720 mm   |
| Pre-filter          | Polyester fiber, washable  |
| ULPA Filter         | Air supply filter: Efficiency 99.999% at 0.12 $\mu\text{m}$<br>First exhaust filter: Efficiency 99.999% at 0.12 $\mu\text{m}$<br>Second exhaust filter: Efficiency 99.999% at 0.12 $\mu\text{m}$ |
| Noise               | NSF 49 $\leq 61$ dB / EN 12469 $\leq 48$ dB  |
| Illumination        | $\geq 1000$ Lux  |
| Pressure            | $\geq$ negative 120 Pa   |
| Display             | LCD display is easy to monitor pressure parameters for work zone and three filters   |
| UV Lamp             | 30W, emission of 253.7 nm  |
| Fluorescent Lamp    | 16 W   |
| External Size       | 1790 x 880 x 2080 mm   |

## DESCRIPTION

Class III Biological Safety Cabinet (BSC) is totally enclosed with supply and exhaust air filtered with ULPA filters, and suitable for work involving high risk pathologic agents (Biosafety Levels 3 and 4). The work is performed with enclosed long-sleeved gloves built-in the cabinet. The cabinet is kept under negative pressure of at least 120 Pa. Supply air is filtered before entering to the cabinet while exhaust air is double filtered before exit to outdoor. This equipment is designed to protect the operator, laboratory environment and work materials. It can avoid the operator to contact with potentially dangerous aerosols and spills therefore it is suitable for high-risk biological testing.



Ecoshel reserves all the rights to changes in product design, if there are any design change, we will not inform in advance.



|               |  |
|---------------|--|
| Internal Size | 1165 x 650 x 660 mm  |
| Pass Box Size | Internal Size: 430 x 330 x 355 mm<br>External Size: 575 x 425 x 495 mm<br>UV Lamp: 8W, emission of 253.7 nm  |
| Gross Weight  | 450 kg   |
| Material      | Front of BSC: 8 mm toughened glass, anti-UV<br>Work Zone: 304 stainless steel<br>Gloves: One pair of 800 mm butyl rubber gloves<br>Main Body and Base: Cold-rolled steel |
| Consumption   | 1300 W   |
| Power Supply  | AC 110V $\pm$ 10%, 60Hz  |

## ***STANDARD ACCESSORIES***

1. Gloves
2. Fluorescent lamp
3. UV lamp
4. Remote control
5. Pressure meter
6. Drain valve

## ***KEY FEATURES***

1. Easy-to-use soft keys of control panel.
2. Audio and visual alarm when filter replacement and abnormal pressure.
3. Pressure meter: display the pressure of work zone.
4. An angled cabinet front ensures an ergonomic working posture.
5. Pass box: double doors with interlock function and UV lamp.

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