CLASS III BIOLOGICAL SAFETY CABINET

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.

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 μm Firs exhaust filter: Efficiency 99.999% at 0.12 μm Second exhaust filter: Efficiency 99.999% at 0.12 μm
Noise	NSF 49 ≤61 dB / EN 12469 ≤48 dB
Illumination	≥1000 Lux
Pressure	≥ 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

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 External Size: 575 x 425 x 495 mm UV Lamp: 8W, emission of 253.7 nm
Gross Weight	450 kg
Material	Front of BSC: 8 mm toughened glass, anti-UV Work Zone: 304 stainless steel Gloves: One pair of 800 mm butyl rubber gloves Main Body and Base: Cold-rolled steel
Consumption	1300 W
Power Supply	AC 110V±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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