CLASS II B2 BIOLOGICAL SAFETY CABINET

DESCRIPTION

Biological Safety Cabinet is necessary equipment in the laboratory when operator need to apply protective measures, such as in microbiology, biomedical, DNA recombinant, animal experiment and biological products. This equipment provides a safety working environment through negative pressure filtration system for protecting operator, laboratory environment and work materials. Type B2 Cabinet, also called a total exhaust cabinet, is suitable when significant amounts of radionuclides and volatile chemicals are expected to be used.

TECHNICAL PARAMETERS

MODEL	IIB2-XD
Work Surface Height	750 mm
Inflow Velocity	0.53 ± 0.025 m/s
Downflow Velocity	0.33 ± 0.025 m/s
Airflow System	0% air recirculation, 100% air exhaust
Front Window	Motorized
Max Opening	480 mm
Tested Opening	Safety height 200 mm
Pre-filter	Washable
HEPA Filter	Two, 99.999% efficiency at 0.3 µm
Noise	NSF49 ≤61 dB / EN12469 ≤58 dB
Illumination	≥1000 Lux
Display	LCD display: exhaust filter and downflow filter pressure, filter and UV lamp working time, inflow and downflow velocity, filter life, humidity and temperature, system working time, etc.

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

UV Lamp	40 W, emission of 253.7 nm
LED Lamp	16 W
External Size	1873 x 775 x 2270 mm
Internal Size	1700 x 600 x 660 mm
Gross Weight	408 kg
Material	Front Window: Two-layer laminated toughened glass ≥ 5 mm Work Zone: 304 stainless steel Main Body and Base: Cold-rolled steel with anti-bacteria powder coating
Consumption	1200 W
Power Supply	AC 220V±10%, 50/60Hz

STANDARD ACCESSORIES

1. Base stand with footmaster caster
2. Remote control
3. Waterproof sockets
4. Pipe straps
5. Exhaust blower and duct
6. LED and UV lamps
7. Foot switch
8. Drain valve

KEY FEATURES

1. Intuitive control panel and soft keys.
2. Remote control: all functions can be realized with it, making the operation easier and more convenient.
3. Audio and visual alarm when filter replacement, front window at unsafe height and abnormal airflow velocity.
4. Interlock function: UV lamp and front window; UV lamp and blower; UV lamp and LED lamp; blower and front window.
5. Foot switch: adjust front window height by foot during experiment, to avoid airflow turbulence caused by arm movement.

OPTIONAL ACCESSORIES

1. Gas tap
2. Water tap

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