

# CLASS II A2 BIOLOGICAL SAFETY CABINET

## TECHNICAL PARAMETERS

MODEL	IIA2-XA
Work Surface Height	750 mm
Inflow Velocity	0.53 ± 0.025 m/s
Downflow Velocity	0.33 ± 0.025 m/s
Airflow System	70% air recirculation, 30% air exhaust
Front Window	Motorized
Max Opening	420 mm
Tested Opening	Safety height 200 mm
HEPA Filter	Two, 99.999% efficiency at 0.3 µm
Noise	EN12469 ≤58 dB / NSF49 ≤61 dB
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.
UV Lamp	30 W, emission of 253.7 nm
LED Lamp	12 W
External Size	1100 x 750 x 2250 mm
Internal Size	940 x 600 x 660 mm
Gross Weight	243 kg

## DESCRIPTION

Biological Safety Cabinet is necessary equipment in the laboratory when operator need to apply protective measures, such as in medical and health, pharmacy, medical research. This equipment provides a safety working environment through negative pressure filtration system for protecting operator, laboratory environment and work materials. Type A2 Cabinet is suitable for working with microbiological research in the absence of volatile or toxic chemicals and radionuclide.



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Material	Front Window: Two-layer laminated toughened glass $\geq 5$ mm Work Zone: 304 stainless steel Main Body and Base: Cold-rolled steel with anti-bacteria powder coating
Consumption	760 W
Power Supply	AC 110V $\pm$ 10%, 60Hz

## ***STANDARD ACCESSORIES***

1. Base stand with footmaster caster
2. Remote control
3. Keys
4. LED lamp
5. UV lamp
6. Foot switch
7. Drain valve

## ***OPTIONAL ACCESSORIES***

1. Gas tap
2. Water tap

## ***KEY FEATURES***

1. Intuitive control panel and soft keys.
2. Two waterproof sockets.
3. Visual and audio 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.

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