

# EN CERTIFIED BIOLOGICAL SAFETY CABINET

## TECHNICAL PARAMETERS

### MODEL

**EN-3FA2-3**

Work Surface Height	750 mm
Inflow Volume	348 m <sup>3</sup> /h
Downflow Volume	65%: 649 m <sup>3</sup> /h
Exhaust Volume	35%: 348 m <sup>3</sup> /h
Airflow System	65% air recirculation, 35% air exhaust
Front Window	Manual
Max Opening	520 mm
Tested Opening	Safety height 200 mm
HEPA Filter	Two, 99.999% efficiency at 0.3 μm
Noise	NSF 49 ≤61dB / EN 12469 ≤58dB
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.
UV Lamp	18 W, emission of 253.7 nm
Fluorescent Lamp	21 W
External Size	1087 x 775 x 2265 mm
Internal Size	910 x 600 x 660 mm
Gross Weight	270 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. Also, it totally meets that international standard for biological cabinet: EN 12469:2000. Type A2 Cabinet is suitable for working with microbiological research in the absence of volatile or toxic chemicals and radionuclide.



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



Material	Front Window: Two-layer laminated toughened glass $\geq 5$ mm Work Zone: 304 stainless steel (S.S.) Main Body and Base: Cold-rolled steel with anti-bacteria powder coating
Consumption	$\leq 500$ W
Power Supply	AC 230V, 50Hz

## ***STANDARD ACCESSORIES***

1. Base stand with footmaster caster
2. Fluorescent lamp
3. UV lamp
4. S.S. water and gas taps
5. Stainless steel I.V. bar with 10 hooks
6. Waterproof sockets
7. Drain valve

## ***OPTIONAL ACCESSORIES***

1. Remote control
2. Motorized front window

## ***KEY FEATURES***

1. Intuitive control panel and soft keys.
2. Visual and audio alarm when filter replacement, front window at unsafe height and abnormal airflow velocity.
3. Interlock function: UV lamp and front window; UV lamp and blower; UV lamp and LED lamp; blower and front window.
4. Front  $10^\circ$  slanted to offer operator comfort while working for long time, reduce glare and maximize reach into the work area.

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