

BIOBASE

Class II A2 Biological Safety Cabinet.

The Class II A2 cabinet (70% recirculation, 30% exhaust) – is for microbiology work.

WHERE IT'S USED

- Hospital and clinical labs
- Research and university labs
- Public health

SPECIAL FEATURES - 11231BBC86

1. Triple Protection:

- Operator protection, Sample protection, Environment protection
- Work zone surrounded by negative pressure

2. Smart LCD Control Panel

- Large digital LCD displays all parameters at a glance:
- Inflow velocity / Downflow velocity
- Exhaust & Downflow filter pressure
- Temperature & Humidity inside work zone
- Filter life indicator (% remaining)
- UV lamp life + working time
- System working time
- Microprocessor control
- Memory function - remembers settings after power failure

3. Safety Design

- Motorized front window - one-hand operation, 2-layer laminated toughened glass $\geq 5\text{mm}$, Anti-UV
- Voice prompt alarm + Audio/Visual alarm for:

- Abnormal airflow velocity

- Filter replacement needed

- Window over safe height (200mm)

- Remote control - operate all functions from up to 6 meters away - protects operator in emergency
- Time reserve function - saves 30 minutes waiting after start-up and sterilization time after experiment

4. Filtration & Airflow:

- Centrifugal fan - speed adjustable, low noise

- Two HEPA Filters H14 - 99.999% efficient at 0.3µm, with life indicator
- Airflow: 70% recirculation, 30% exhaust
- Work zone: 304 stainless steel - easy to clean, chemical resistant
- Main body: Cold-rolled steel with anti-bacteria powder coating

5. Decontamination:

- UV Lamp 15W x 1 - emission 253.7nm for most efficient decontamination
- UV timer + UV life indicator
- LED / Fluorescent lamp ≥1000 Lux illumination

6. Convenience:

- 2x Waterproof sockets in side panel - total load 500W for small devices
- Work height 750mm with stand (as in your photo)
- Small dimension - saves lab space

TECHNICAL SPECIFICATIONS

Parameter Value

- External Size W×D×H 700×650×1920 mm
- Internal Size W×D×H 600×500×540 mm
- Tested Opening / Safety Height=200 mm (8")
- Inflow Velocity 0.53±0.025 m/s
- Downflow Velocity 0.33±0.025 m/s
- HEPA Filter Two, 99.999% at 0.3µm
- UV Lamp 15W*1
- LED Lamp 40W*1
- Illumination ≥1000 Lux
- Power Consumption 500W
- Power Supply AC 110/220V±10%, 50/60Hz
- Material Work zone: 304 SS / Body: anti-bacteria powder coated steel
- Sockets 2 waterproof, total 500W