



Biosafety Cabinet Class II A2



SaiLab Equipment's **Biosafety Cabinet Class II A2** is a safety device with a HEPA filter that filters air back to the work area as a vertical unidirectional airflow. The cabinets are used for biosafety levels 1 through 3 and are safe to work with non-hazardous chemicals. The unit is engineered to sterilise the air with the help of UV germicidal light and to prevent contamination. Designed for ease of cleaning and maintenance, **Biosafety Cabinet Class II A2** from SaiLab Equipment follows European guidelines for stringent build quality and environment protection.

TECHNICAL SPECIFICATION

- 2.5 inch 128 x 64pixel blue/white graphic LCD display
- Dual Intel Front Curved centrifugal fan to provide complete operator, product and environmental protection.
- Energy efficient Dynamic Motor
- HEPA filter 99.99% typical efficiency at 0.3 micron/ULPA,
- ULPA filters provide 99.999% typical efficiency for particle sizes of 0.1 to 0.3 micron.
- Wall of Stainless Steel 304.
- Work Tray of Stainless Steel 304
- Arm Rest.

OPTIONAL MICRO PROCESSOR CONTROLLER

SALIENT FEATURE

- Manual Function Mode

- 2.5 inch 128 x 64pixel blue/white graphic LCD display.
- Motorized Door on up/down touch keys.
- UV/florescent light/power on/off soft touch key.
- Blower Motor on/off in touch key.
- Inter Socket Manual on/off touch key.
- Buzzer Silent soft touch key.
- Power on/off soft touch key.
- Display of air pressures in the LCD screen.
- Alarm if the door is opened beyond 200 mm.
- Timer for UV light (0-59 minutes).

- User Program

- UV timer
- UV Lamp Life.
- Reset UV hours.

- Auto Function Mode

- Display of down flow and up flow by deferential pressure.
- Alarm is activated in case of airflow deviation over 20%.
- Blower will go off when the door is closed.
- Fluorescent lamp will not be active when UV is on.
- UV will not get on when florescent is on.
- Blower will be shut off when UV is on.
- Alarm if the door is opened beyond 200 mm.
- Timer for UV light (0-59 minutes).

- To set Auto clean Auto Clean Mode.
- Change Password.
- Can set filter working hours.

SALIENT FEATURES OF MANUAL MACHINE

- Manual Function Mode

- 2.5inch 128 x 64pixel blue/white graphic LCD display.
- Motorized Door on up/down touch keys.
- UV/florescent light/power on/off soft touch key.
- Blower Motor on/off in touch key.
- Buzzer Silent soft touch key.
- Power on/off soft touch key.
- Display of air pressures in the LCD screen.
- Alarm if the door is opened beyond 200 mm.

- Auto Function Mode

- Display of down flow and up flow by deferential pressure.
- Alarm is activated in case of airflow deviation over 20%.
- Blower will go off when the door is closed.
- Fluorescent lamp will not be active when UV is on.
- UV will not get on when florescent is on.
- Blower will be shut off when UV is on.
- UV will get off when door is opened.
- Alarm if the door is opened beyond 200 mm.



SPECIFICATIONS OF BIOSAFETY CABINET A2 MODEL

Main Filter	HEPA filter (99.97% efficient at 0.3-micron particulates to meet air quality ISO class 5 equivalent to US FED STD 209 B, Class 100.
Pre-filter	Highly efficient washable pre-filter efficiency 90% down to 10 microns.
Illumination	Fluorescent Lamp of 10/20/30/40 W (Greater than 800LUX as per guidelines laid in US Federal Standard.)
Sterilizing	UV Germicidal tube of 254nm wavelength.
Front Door	Motorized door lifting arrangement at press of a button. door made of toughen Glass (Polycarbonate Door Optional)
Utility	Gas / Air cock and Multipoint 15/5 AMP electric socket.
Magnehelic Gauge	Magnehelic Gauge analogue type for main HEPA Filter.
Input Supply	AC 230V, 50/60 Hz
Cabinet – MOC	Cold Rolled Powder Coated for STD model. Stainless Steel 304 grade steel for GMP model.
Work Table	Stainless Steel 304 Grade (Optional Stainless Steel 316)
Internal Work Zone Dimension	2 x 2 x 2”(Ft), 3 x 2 x 2 (Ft), 4 x 2 x 2 (Ft), 6 x 2 x 2 (Ft)
Size of HEPA Filter (LxDxH)	2 x 2 x 3”(Ft), 3 x 2 x 3”(Ft), 4 x 2 x 3”(Ft), 6 x 2 x 3”(Ft)
No. of HEPA filter	2

AVAILABLE CAPACITY

Model No.	Capacity	Outersize
SBC – 2A2	2 x 2 x 2	193 x 75 x 85
SBC – 3A2	3 x 2 x 2	193 x 105 x 85
SBC – 4A2	4 x 2 x 2	193 x 135 x 85
SBC – 5A2	5 x 2 x 2	193 x 165 x 85
SBC – 6A2	6 x 2 x 2	193 x 195 x 85

