



VERTICAL LAMINAR AIRFLOW BEM1BI3

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LAMINAR FLOW CABINET



LED Display, digital LED Display, Airflow Level

Base Stand

UV Lamp

Waterproof Socket

1. The cabinet is designed with a vertical surface, the operation perspective is wide and more humanized.

2. Made of high quality cold rolled steel plate material, welding structure, surface electrostatic spraying, enhancing the stability of the cabinet.

3. Equipped with initial effect filter, which can preliminarily filter large particulate matter, thus improving the service life of the high efficiency filter.

4. Work surface is made of high quality 304 stainless steel material, beautiful and corrosion resistance.

SPECIFICATIONS

Model	BEM1BI3
Flow Mode	Vertical Flow.
Number of Users	1~2
Rated Power	850VA(including operating area socket load 500VA)
Power Supply	220V±10%, 50Hz(Standard); 110V±10%, 60Hz(Optional)
Airflow Velocity	0.2 m/s~0.45 m/s
Noise	≤65dB(A)
Lighting	≥300lx
Vibration	≤5μm(rms)
Safety	Colonies number≤0.5CFU/30min
Clean Grade	1SO Level 5 (100 levels)
Filtration Efficiency	HEPA(H14) high efficiency filter, filtration efficiency for 0.3μm particle≥99.995%
Front Window Safety Height	200mm
Max Opening	350mm
Work Surface Height	750mm(Customized)
Standard Accessory	LED lamp*2, UV lamp*2, Base stand, Waterproof socket*2
Optional Accessory	Armrest*2
Net Weight	235kg
Gross Weight	308kg
External Size(W*D*H)	1500*630*1860mm
Internal Size(W*D*H)	1400*515*650mm
Package Size(W*D*H)	1650*840*1420mm
Alt Name	Laminar Flow Cabinet

FEATURES

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5. The working area adopts four sides (left and right sides, rear, bottom) positive pressure surround design, effectively protect product safety.
6. The front window adopts 5mm thick tempered glass to better protect the safety of personnel and experiments.
7. The side windows are made of 5mm thick toughened glass to enhance the lighting permeability of the operation area.
8. The hidden weight structure, manual front window, realizing freely adjusting the opening height of the front window.
9. The base bracket and casters are integrated design, which can be moved safely through the casters and can also be fixed and leveled.
10. 7-inch color touch screen, real-time display of running status (air flow direction, air velocity, machine running time, UV lamp running time, high efficiency filter running time, high efficiency filter running resistance, operating area temperature and humidity, clock display) at a glance.
11. With the function of appointment timing, it can automatically set the time of starting and shutting down the laminar flow cabinet and the disinfection time of ultraviolet lamp.
12. With a key disinfection function, convenient and fast, greatly saving the work time and improving the work efficiency.
13. Perfect alarm system:
 - (1) The front window is not set height alarm: the front window is set height of 200mm, when the front window is not in the height position and the bottom position, sound alarm will be issued.
 - (2) Ultra-high filter pressure alarm: when the filter resistance increases, sound alarm will be issued.
 - (3) Filter failure replacement alarm: when the filter service life expires, there will be a filter replacement sound alarm.
14. Safety interlock protection:
 - (1) Fan and front window interlock: when the front window door falls to the bottom, the fan will automatically close.
 - (2) The ultraviolet lamp, the front window and the lamp interlock: the front window door falls to the bottom and the lamp is not

opened, the ultraviolet lamp can be opened to avoid the misoperation of the ultraviolet lamp causing harm to the human body.



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