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ZSC-300 ABB

BIOLOGICAL SAFETY CABINET



Biological Safety Cabinet

- Small dimension, saves space
- Centrifugal fan, speed adjustable; HEPA filter
- Motorised front window: The front window is motorized for convenient, one-hand operation
- Audio and visual alarm: Abnormal airflow velocity, filter replacement, front window at unsafe height, high filter pressure alarm.
- Self-locking button switch to solve the issue of losing the key
- Removable handle design, easy to move
- 7 inch large touchscreen with intelligent control system: Operators can check detailed status of the cabinet, such as inflow and downflow velocity, work area temperature and humidity, filter pressure, UV working time and filter working time, filter life indicator etc.
- With memory function in case of power-failure
- Interlock function: UV lamp and front window; UV lamp and blower, LED lamp; blower and front window

Specifications

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External Size (W x D x H)	700 × 650 × 1230mm
Internal Size (W x D x H)	600 × 500 × 540mm
Tested Opening	Safety Height 200mm (8")
Maximum Opening	370mm (15")
Inflow Velocity	0.53±0.025m/s
Downflow Velocity	0.53±0.025m/s
HEPA Filter	Two, 99.995% efficiency at 0.3µm. Filter life indicator

Front window	Motorized. Single layer toughened glass $\geq 5\text{mm}$. Anti UV
Noise	$\leq 67\text{dB}$
UV lamp	15W*1 UV timer, UV light indicator, emission of 253.7 nanometers for most efficient decontamination
LED lamp	8W*2
Illumination	$\geq 1000\text{Lux}$
Consumption	500W
Socket	Two, total load of two sockets: 500W
Display	7 inch large touchscreen
Control system	Microprocessor
Airflow system	70% air recirculation, 30% air exhaust
Visual and Audio alarm	Filter replacement, window over height, abnormal air flow velocity, high filter pressure alarm
Material	Work Zone: 304 stainless steel Main body: Cold-rolled steel with anti-bacteria powder coating
Work surface height	750 mm with optional base stand
Power supply	AC 220V $\pm 10\%$, 50/60Hz; 110V $\pm 10\%$, 60Hz
Standard accessory	LED Lamp, UV Lamp*2, Remote control, Waterproof sockets*2, base stand, handle*4
Optional accessory	Universal caster with brake and leveling feet. SS Water tap*1, SS Gas tap*1
Gross weight without base stand	Carton: 120kg
Gross weight with base stand	Wood: 140kg
Package size	Carton body: 800 × 740 × 1400mm Wood body with base: 860 × 970 × 1420mm