

Model JSCB-1500SL : Vertical Laminar Flow Safety Cabinet



Vertical Laminar Flow Cabinet enclosure designed to maintain ISO Class 5 (formerly Class 100) clean air. HEPA filtered laminar air down flow over the work area to protect products or samples being handled in the cabinet from dust or biological contaminants such as bacteria, fungus and genetic materials.

Various applications in plant tissue culture, microbial inoculation, media preparation, PCR, electronic or medical parts inspection and assembly where dust particles and contaminants should not be present in the air of working area essentially needed.

Controller

- Integrated Digital microprocessor control system with graphic LCD display
- Fan ON/OFF and 10-step adjustable air velocity
- LED lamp ON/OFF
- UV lamp ON/OFF
- Adjustable UV sterilization timer
- Elapsed time counter and alarm for HEPA filter replacement

Performance

- The contaminated room air intake through pre-filter and blower create HEPA filtered down ward laminar air stream over the work area which flows towards sash door to protect products or samples in the cabinet being handled from dust or biological contaminants such as bacteria or fungus.
- Aluminum Frame Mini-pleated HEPA filters with nominal filtration efficiency of 99.993% ~ 99.995% for airborne particles larger than 0.3 μm
- Optional ULPA filter had higher filtration efficiency of 99.999% for airborne particles larger than 0.12 μm

Construction

- Durable epoxy powder coated metallic casing
- Removable Stainless Steel 304 working plate

Convenience

- Ergonomic arm rest and 3 degree slanted front glass window
- Removable working zone plate for easy cleaning and decontamination
- Front service access panel for comfortable maintenance
- The front door can also be closed fully to keep the cabinet interior clean during non-use period as well as to prevent exposure to UV radiation during sterilization
- Epoxy powder coated SPCC exterior for durability
- Silent and vibration free blower fan motor for comfortable working environment
- LED lamp working light
- 253 nm Germicidal UV lamp on working zone
- Supplied with Base Stand with caster

Safety

- UV Lamp CUT-OFF when front door is opened
- TOTAL USING TIME LOG
- HEAP Filter replacement alarm
- OVER CURRENT CUT-OFF : Fuse

SPECIFICATIONS

Description	MODEL JSCB-1500SL
Performance Data	
Safety Class	Biosafety Level 1 for Product Protection Only
Air flow type	Vertical Laminar Flow
Down-Flow	0.3 ~ 0.6 m/sec
Filtration Efficiency (Nominal)	HEPA filter 99.993~99.995 % for particles > 0.3 um ULPA filter 99.999 % for particles > 0.12 um
Noise Level	< 65 dB
Work Light	1510 Lux
Type of Work Light	LED 20 watt x 2 ea
Germicidal UV Lamp	30 Watt x 1 ea, 253.7 nm 13.4 W Ultraviolet Output

Dimension Data	(W x D x H mm)
Working Width	1490 mm (5 ft)
Int. Dims. (W x D x H)	1490 x 550 x 585 mm
Ext. Dims. (W x D x H)	1560 x 800 x 1290 mm (without stand)
Ext. Dims. (W x D x H)	1560 x 800 x 1970 mm (with stand)

Controller
Digital microprocessor control system with graphic LCD display
Soft touch capacitive buttons with light
10-step adjustable air velocity control
Fan ON/OFF and speed control
Working lamp ON/OFF
UV lamp ON/OFF
Adjustable UV sterilization timer
Total time used of HEPA Filter
HEPA filter replacement audible alarm

Safety Data	
Safety Device	Over Current Cut-Off
	Automatic UV Lamp turn off on door open
	HEPA filter replacement alarm

Material Data

Working Plate	Removable Stainless steel 304 (AISI 304)
Body	SPCC /w epoxy powder coating
Front sash door	Tempered safety glass door
HEPA (ULPA) Filer / Frame	Glassfiber / Aluminum
HEPA Filter / Frame	Glass Fiber / Aluminum
Pre-Filter	EN 779 Woven Nylon

Utility & Accessories

- Working LED lamp 20 watt x 2 ea
- Germicidal UV lamp 30 watt x 1 ea
- Power receptacle for 220 V European cord x 2 ea
- Gas cock x 2 ea

Electrical Data

Rated voltage	220 ± 10% VAC
Power frequency	50 / 60Hz
Nominal power	350 Watt 1.6 amp
Phase	1 Phase
Plug configuration	CEE 7/7 Schuko or BS 1363

Usable Condition

Temp. & Humidity	5°C - 40°C, < 80% RH
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Packaging Data

Shipping Dims. (W x D x H mm)	1610 x 940 x 1650 mm
Type of packaging	Carton on a wooden palette
Net Weight	200.0 kg
Shipping Weight	250.0 kg

ORDERING INFORMATION

Art. No.	Descriptions	Voltage
JSCB-1500SL	Vertical Laminar Flow Safety Cabinet, 1500mm including Stand with Caster Instruction Manual Warranty Card	220 VAC 1~ ph 50/60Hz

ACCESSORIES

Art. No.	Descriptions
OHF-U07	ULPA Filter Option (Factory built-in) 99.999 % for particles > 0.12 um filtration efficiency



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