JSR

Laminar Flow Safety Cabinet

**VERTICAL
LAMINER FLOW
SAFETY CABINET**

JSCB-SL Series
VERTICAL
LAMINAR FLOW
SAFETY CABINET
99.993 % Filtration Efficiency

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.

JSCB-1200SL Vertical Laminar Flow
Safety Cabinet

Features

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 um
- Optional ULPA filter had higher filtration efficiency of 99.999% for airborne particles larger than 0.12 um

Construction
-Durable epoxy powder coated metallic casing.
-Removable Stainless Steel 304 working plate
-Tempered Safety Glass Sash Door

Convenience
-Ergonomic arm rest and 3 degree slanted front glass window
-Removable working 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

Controller

-Integrated Digital microprocessor control system
-High-fidelity clear back light LCD displays complete
-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
-UV Coated Polycarbonate Touch Panel

Safety

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

Specifications

Model	JSCB-900SL	JSCB-1200SL	JSCB-1500SL	JSCB-1800SL
Dimension Data				
Working Width	830 mm (3 ft)	1205 mm (4 ft)	1490 mm (5 ft)	1790 mm (6 ft)
Inner Dims. (WxDxH) mm	830 x 550 x 585	1205 x 550 x 585	1490 x 550 x 585	1790 x 550 x 585
Outer Dims. (WxDxH) mm	900 x 800 x 1290	1275 x 800 x 1290	1560 x 800 x 1290	1860 x 800 x 1290
including Stand (WxDxH) mm	900 x 800 x 1970	1275 x 800 x 1970	1560 x 800 x 1970	1860 x 800 x 1970
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 (LED Lamp)	11 watt x 2 ea	15 watt x 2 ea	20 watt x 2 ea	20 watt x 2 ea
Germicidal UV Lamp 253.7 nm	20 watt	30 watt	30 watt	40 watt
UV Intensity	7.5 W	13.4 W	13.4 W	19.8 W
Controller				
	Digital Microprocessor Control System with Graphic LCD Display			
	Soft Touch Capacitive Button with Indication Light			
	10-Step Air Velocity Control			
	Fan ON/OFF, Working Lamp ON/OFF, UV Lamp ON/OFF			
	Adjustable UV Sterilization Timer			
	Total Time Used of HEPA Filter, HEPA Filter Replacement Alarm			
Material Data				
Working Plate	Removable, Stainless Steel 304 (AISI304)			
Body	SPCC /w Epoxy Powder Coating			
Front Sash Door	5.0 mm Thick Tempered Safety Glass			
Safety Data				
	Over Current Protection			
	Automatic UV Lamp Cut-Off on Door Open			
	HEPA Filter Replacement Alarm			
Utility Accessories				
	Power Receptacle for 220V European Plug x 2 ea			
	Gas Cock x 1 ea, Air Cock x 1 ea			
Electrical Data				
Power Requirement	220 +/- 10% VAC I 50/60 Hz I 1 Phase			
Power Consumption	200 W 0.9 amp	350 W 1.6 amp	350 W 1.6 amp	375 W 1.7 amp
Plug Configuration	CEE 7/7 Schuko or BS 1363			

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Ordering Information

Art. Number	Descriptions	
JSCB-900SL	Vertical Laminar Flow Safety Cabinet, 830 mm	220 VAC 1 ph 50/60Hz
JSCB-1200SL	Vertical Laminar Flow Safety Cabinet, 1205 mm	220 VAC 1 ph 50/60Hz
JSCB-1500SL	Vertical Laminar Flow Safety Cabinet, 1490 mm	220 VAC 1 ph 50/60Hz
JSCB-1800SL	Vertical Laminar Flow Safety Cabinet, 1790 mm	220 VAC 1 ph 50/60Hz

Accessories	ULPA Filter Option, 99.999% for > 0.12 um, Factory built-in
OHF-U11	Optional ULPA Filter for JSCB-900SL
OHF-U12	Optional ULPA Filter for JSCB-1200SL
OHF-U13	Optional ULPA Filter for JSCB-1500SL
OHF-U14	Optional ULPA Filter for JSCB-1800SL

DISTRIBUTOR

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