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Технические характеристики на шкафы с вертикальным ламинарным потокком JSCB SL КОМПАНИИ JSR



Vertical Laminar Flow 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.

Features

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

Construction

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

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

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 In case of fluorescent lamp turned on
- TOTAL USING TIME LOG
- HEAP Filter replacement alarm
- OVER CURRENT CUT-OFF : Fuse

Digital Control



HEPA Filter

Working Area

Work Lamp & UV Lamp

Utility



Aluminum frame mini-pleated HEPA
Filter efficiency 99.993 ~ 99.995%
with ceiling mesh guard
Optional ULPA Filter efficiency
99.999%

Ergonomic arm rest
Removable working zone plate for
cleaning and decontamination
Front service access panel for
comfortable maintenance
Base stand with caster

Long life LED lamp
253nm germicidal UV lamp

Tempered safety glass sash door
Power receptacle
Gas and air supply valve

Specifications

Class	Biosafety Level 1 for Product Protection Only
Air Flow	Vertical Laminar Flow 0.3 m/sec. Down-Flow
Filtration	Aluminum Frame Mini-Pleated HEPA Optional ULPA Filter
Efficiency	HEPA : 99.993% for 0.3 um particle removal [OPTION] ULPA : 99.999% for 0.12 um particles removal
Controller	Microprocessor Control 9 Step Air Velocity Control
Material	Work Platform : Stainless Steel 304 Body : Epoxy Powder Coated Steel
Sterilization	253nm Germicidal UV Lamp with Timer
Utility	Power Receptacles Gas and air supply cock
Safety	Over Current Cut-Off
Electric	220±10% VAC 50/60Hz 1-Phase
Plug config.	CEE 7/7 Schuko or BS-1363

Models

Model	JSCB-900SL	JSCB-1200SL	JSCB-1500SL	JSCB-1800SL
Performance Data				

Safety Class	Biosafety Level 1 for Product Protection Only			
Air flow type	Vertical Laminar Flow			
Down-Flow	0.3 m/sec			
Filtration Efficiency	HEPA filter 99.993~99.995 % for particles > 0.3 um			
(Nominal)	ULPA filter 99.999 % for particles > 0.12 um			
Noise Level	< 65 dB			
Work Light	1510 Lux			
Type of Work Light	LED 11 watt x 2 ea	LED 15 watt x 2 ea	LED 20 watt x 2 ea	LED 20 watt x 2 ea
Germicidal UV Lamp 253.7 nm	20 Watt	30 Watt	30 Watt	40 Watt
Ultraviolet Output	7.5 W	13.4 W	13.4 W	19.8 W

Dimension Data

Working Width	830 mm (3 ft)	1205 mm (4 ft)	1490 mm (5 ft)	1790 mm (5 ft)
Int. Dims. (W x D x H mm)	830 x 550 x 585	1205 x 550 x 585	1490 x 550 x 585	1790 x 550 x 585
Ext. Dims. (W x D x H mm) w/o stand	900 x 800 x 1290	1275 x 800 x 1290	1560 x 800 x 1290	1860 x 800 x 1290
Ext. Dims. (W x D x H mm) /w stand	900 x 800 x 1970	1275 x 800 x 1970	1560 x 800 x 1970	1860 x 800 x 1970

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 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

Utility & Accessories				
Working 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	20 watt	30 watt	30 watt	40 watt

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	200 Watt 0.9 amp	350 Watt 1.6 amp	350 Watt 1.6 amp	375 Watt 1.7 amp
Phase	1 Phase			
Plug configuration	CEE 7/7 Schuko or BS 1363			

Usable Condition	
Temp. & Humidity	5°C - 40 °C, < 80% RH

Packaging Data				
Shipping Dims. (W x D x H mm)	950 x 940 x 1650	1330 x 940 x 1650	1610 x 940 x 1650	1940 x 940 x 1650
Type of packaging	Carton on a wooden palette			
Net Weight	130.0 kg	182.0 kg	200.0 kg	267.0 kg
Shipping Weight	180.0 kg	213.0 kg	250.0 kg	290.0 kg

Ordering Information

Art No.	Descriptions	Width	Elec. Req.	Net Wt.	Ship Wt.
JSCB-900SL	Vertical Laminar Flow Safety Cabinet	830 mm	220 VAC 50/60 Hz	130 kg	180 kg
JSCB-1200SL	Vertical Laminar Flow Safety Cabinet	1205 mm	220 VAC 50/60 Hz	170 kg	210 kg
JSCB-1500SL	Vertical Laminar Flow Safety Cabinet	1490 mm	220 VAC 50/60 Hz	200 kg	250 kg
JSCB-1800SL	Vertical Laminar Flow Safety Cabinet	1790 mm	220 VAC 50/60 Hz	230 kg	290 kg

Factory Built-in ULPA Filter Option

Art No.	ULPA Filter
OHF-U05	for JSCB-900SL
OHF-U06	for JSCB-1200SL
OHF-U07	for JSCB-1500SL
OHF-U08	for JSCB-1800SL

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