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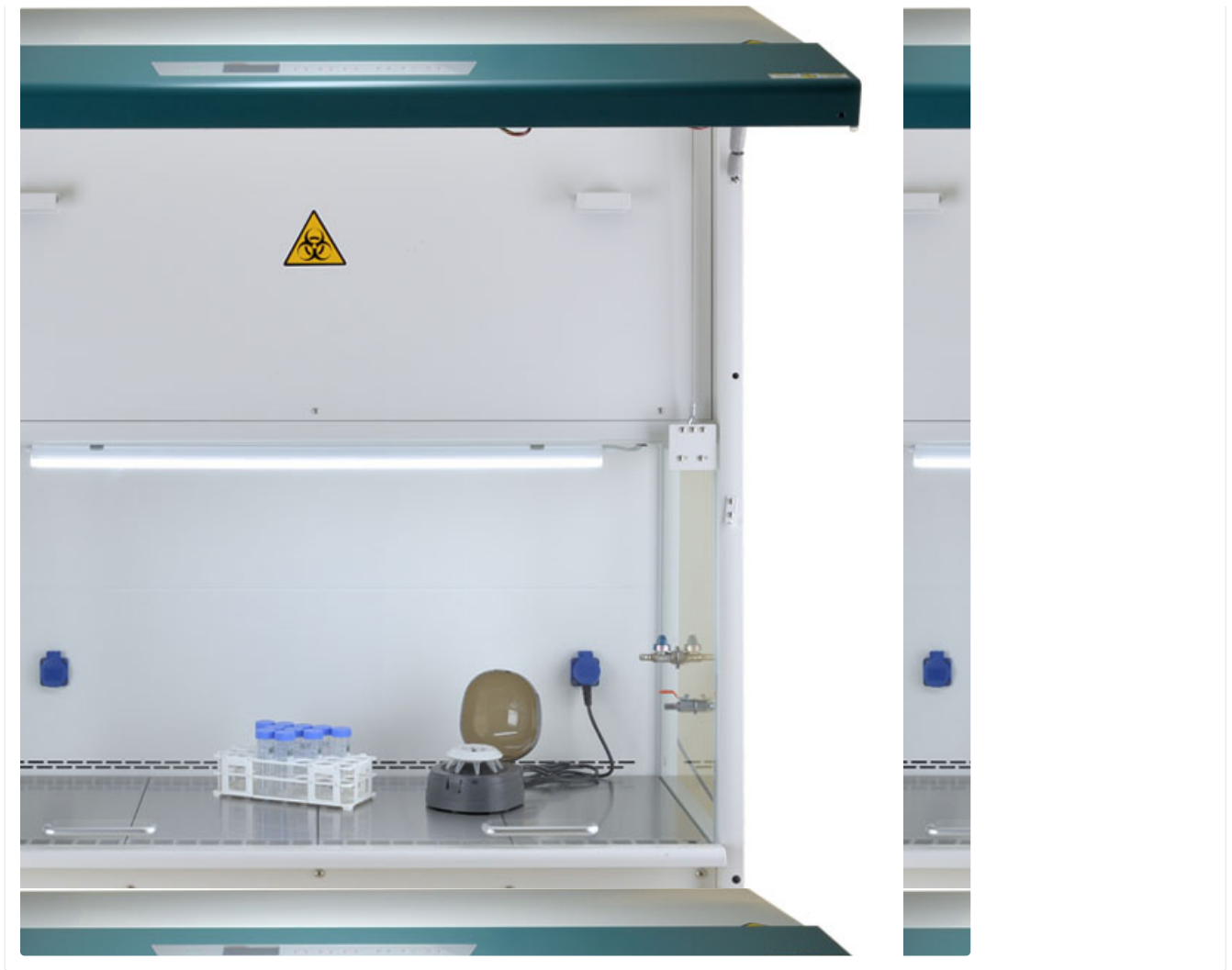
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Технические характеристики на шкафы биологической безопасности класс II Тип А2 JSCB-SB КОМПАНИИ JSR



Biological Safety Cabinet Class II Type A2

Cabinet enclosure designed Class II Type A2 provides personnel, product and environment protection from hazardous particles such as bacteria, viruses and genetically manipulated materials such as nucleic acids that require Biosafety Level 1, 2 or 3 containments. Various applications in medical, biomedical, biotechnology, pharmaceutical, cell culture, tissue culture, virology and pathology applications using pathogens, genetic materials, carcinogens, allergens may generates hazardous airborne particles.

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

- Biological Safety Level Class II Type A2 design provides a higher level of personnel, product and cross contamination protection by keep filtrate airborne particles from the air stream
- Inflow moves from the room air is drawn into the inlet grille at the work access opening and pass through a negative pressure plenum to blower creates HEPA filtered downward laminar air stream over the work area
- Approximately 70% of the HEPA-filtered air is re-circulated through the cabinet into the work zone, while 30% passes through an exhaust HEPA filter and is discharged into the laboratory room air
- 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	Class II Type A2
Air Flow	Vertical Laminar Flow 70 % Recirculation 30 % Exhaust
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-900SB	JSCB-1200SB	JSCB-1500SB	JSCB-1800SB
Performance Data				

Safety Class	BSC Class II Type A2			
Air flow type	70% re-circulation / 30% exhaust			
Down-Flow	0.3 m/sec			
In-Flow	0.5 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
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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-900SB	BSC Cabinet Class II Type A2	830 mm	220 VAC 50/60 Hz	130 kg	180 kg
JSCB-1200SB	BSC Cabinet Class II Type A2	1205 mm	220 VAC 50/60 Hz	170 kg	210 kg
JSCB-1500SB	BSC Cabinet Class II Type A2	1490 mm	220 VAC 50/60 Hz	200 kg	250 kg
JSCB-1800SB	BSC Cabinet Class II Type A2	1790 mm	220 VAC 50/60 Hz	230 kg	290 kg

Factory Built-in Options

Art No.	ULPA Filter
OHF-U01	for JSCB-900SB
OHF-U02	for JSCB-1200SB
OHF-U03	for JSCB-1500SB
OHF-U04	for JSCB-1800SB

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