



**BIOLOGICAL SAFETY
CABINET
CLASS II TYPE A2**

JSCB-SB Series

BIOLOGICAL SAFETY CABINET

CLASS II

TYPE A2

99.993 % Filtration Efficiency

Cabinet enclosure designed Class II Type A2 provides personnel, product and environment protection from hazardous particles such as bacteria, viruses, genetically manipulated materials and 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 generate hazardous airborne particles.

Features

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 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
- 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



JSCB-1200SB Biological Safety Cabinet
Class II Type A2

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-900SB	JSCB-1200SB	JSCB-1500SB	JSCB-1800SB
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	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 (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	230 +/- 10% VAC 50/60 Hz 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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CLASS II TYPE A2
99.993 % Filtration Efficiency

Ordering Information

Art. Number

Descriptions

JSCB-900SB	Biological Safety Cabinet Class II Type A2, 830 mm	230 VAC 1 ph 50/60Hz
JSCB-1200SB	Biological Safety Cabinet Class II Type A2, 1205 mm	230 VAC 1 ph 50/60Hz
JSCB-1500SB	Biological Safety Cabinet Class II Type A2, 1490 mm	230 VAC 1 ph 50/60Hz
JSCB-1800SB	Biological Safety Cabinet Class II Type A2, 1790 mm	230 VAC 1 ph 50/60Hz

Accessories

ULPA Filter Option, 99.999% for > 0.12 um, Factory built-in

OHF-U01	Optional ULPA Filter for JSCB-900SB
OHF-U02	Optional ULPA Filter for JSCB-1200SB
OHF-U03	Optional ULPA Filter for JSCB-1500SB
OHF-U04	Optional ULPA Filter for JSCB-1800SB

DISTRIBUTOR

JSR

JS Research Inc.
69, Gumsanggogae-Gil,
Gongju-City, KOREA
Phone: +82-41-856-3677
Fax: +82-41-856-3679
info@jsresearch.co.kr
www.jsr.kr