SAFETY CABINETS

JSCB-1200SB

JSR

(주) 제이에스리서치
JS Research Inc.

Biological Safety Cabinet Class II Type A2

Cabinet enclosure designed Class II Type A2 provides personnel, product and environmental 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.

Biological Safety
Class II Type A2

HEPA Filter
99.993 % for 0.3 um particles

ULPA Filter
99.999% for 0.12 um particles

9 Step Air Velocity Control
0.3 m/sec ~ 0.6 m/sec

Cold White
Fluorescent Work Lamp

Germicidal UV Lamp
/w Timer

Vertical Laminar Flow Clean Bench

JSR

Laminar Flow Safety Cabinet

JSCB-1200SL

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.

Vertical Laminar Flow
ISO Class 5 (Class 100)

HEPA Filter
99.993 % for 0.3 um particles

ULPA Filter
99.999% for 0.12 um particles

9 Step Air Velocity Control
0.3 m/sec ~ 0.6 m/sec

Cold White
Fluorescent Work Lamp

Germicidal UV Lamp
/w Timer

JSCB-SB Series
BSC Cabinet Class II Type A2

MODEL	WIDTH	AIR VELOCITY	PROTECTION
JSCB-900SB	830 mm		
JSCB-1200SB	1205 mm	0.3 m/sec.	Personnel
JSCB-1500SB	1490 mm	~ 0.6 m/sec.	Product
JSCB-1800SB	1790 mm		Environment

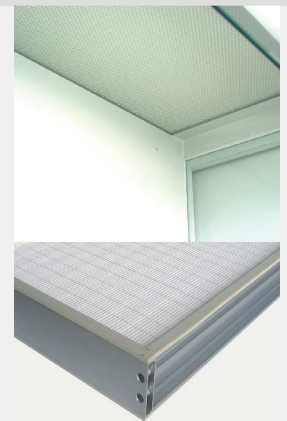## ▶ Digital LCD Control

Performance

▶ Digital Control

> › Back light LCD display
> › 9 Step Air velocity control
> › UV sterilization timer
> › Total using time counter

> › LCD 디지탈 콘트롤러
> › 9 단계 풍속 제어 기능
> › 자외선 살균시간 타이머
> › 총 사용 시간 로그
>   필터 교체 시기 알람

▶ HEPA Filter

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

> › 알루미늄 프레임 mini-pleated
>   HEPA Filter 99.993% ~ 99.995%
>   여과효율
>   필터보호 메쉬 장착
> › 옵션 : ULPA Filter 99.999%

▶ Safety

> › UV Lamp cut-off
>   in case of Fluorescent lamp turned on
> › TOTAL USING TIME LOG
> › HEPA FILTER REPLACEMENT ALARM
> › OVER CURRENT CUT-OFF : Fuse

> › 멸균램프 소등장치
>   형광등 켜면 멸균등이 자동으로 소등되어
>   유해 자외선으로 부터 사용자 보호
> › 총사용시간적산기록
> › HEPA 필터 교체시기 알람
> › 퓨즈 : 전기누설 시 주전원 차단

Convenience

▶ ## Working Area

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

- 인체공학적으로 설계된 팔받침
- 분리 가능한 SUS 304 작업 바닥판
- 유지보수가 편리한 서비스 판넬
- 이동식 케비넷 스탠드

▶ ## FL and UV Lamp

- Cold white fluorescent lamp
- 253nm Germicidal UV lamp

- 주광색 형광등 작업 램프
- 253nm 자외선 멸균램프

▶ ## Utility

- Tempered Safety Glass Sash Door
- Power receptacle
- Gas and air supply valve

- 상하 슬라이딩 전면 유리 도어
- 220V 전원 콘센트
- 가스 및 에어 공급 밸브

MODEL	WIDTH	AIR VELOCITY	PROTECTION
JSCB-900SL	830 mm		
JSCB-1200SL	1205 mm	0.3 m/sec. ~ 0.6 m/sec.	Product
JSCB-1500SL	1490 mm		
JSCB-1800SL	1790 mm		

Clean
BENCH

JSCB-SL Series
Vertical Laminar Flow
ISO Class 5

Specifications

Class	ISO Class 5 (Class 100)
Air Flow	Vertical Laminar Flow
Filtration	Aluminum Frame Mini-Pleated HEPA
	Optional ULPA Filter
Efficiency	HEPA : 99.993% for 0.3um particles
	ULPA : 99.999% for 0.12um particles
Controller	Microprocessor Control
	9 Step Air Velocity Control
Material	Work Platform : Satinless Steel 304
	Body : Epoxy Powder Coated Steel
Sterilization	253nm Germicidal UV Lamp with Timer
Safety	Over Current Cut-Off
Electric	220 ± 10% VAC 50/60Hz 1-Phase

Plug config.   or

CEE 7/7 Schuko   BS 1363

Control Capability

‣ Integrated Digital microprocessor control system
  with back-light LCD display
‣ Fan ON/OFF and 9-step adjustable air velocity
‣ Fluorescent lamp ON/OFF
‣ UV lamp ON/OFF
‣ Adjustable UV sterilization timer
‣ Elapsed time counter and alarm for HEPA filter
  replacement

‣ 통합형 LCD 디스플레이 디지탈 콘트롤러
‣ 블로어 ON/OFF 및 9단계 풍속 제어 기능
‣ 조명 형광등 ON/OFF
‣ 자외선 살균 램프 ON/OFF 밀 살균시간 타이머
‣ 총사용시간 로그 및 필터 교체 시기 알람

Vertical Laminar Flow
ISO Class 5 (Class 100)

HEPA Filter
99.993 % for 0.3 um particles

ULPA Filter
99.999% for 0.12 um particles

9 Step Air Velocity Control
0.3 m/sec ~ 0.6 m/sec

Cold White
Fluorescent Work Lamp

Germicidal UV Lamp
/w Timer

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 0.3um

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

‣ 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

‣ Cold white fluorescent lamp working light

‣ 253 nm Germicidal UV lamp on working zone

‣ Supplied with Base Stand

‣ 프리필터를 통해 흡입된공기는 HEPA 필터에 여과되어 벤치 내부로 vertical lamiar air stream을 형성하여 실험 대상물을 먼지 또는 미생물로 부터의 오염에서 보호하고 전면 도어를 통해 실험실 내부로 배출

‣ HEPA 필터로 여과된 공기는 케비넷의 위에서 아래 방향으로 일정한 속도의 기류를 형성하여 케비넷 내부에서의 교차오염 방지

‣ 알루미늄 프레임 Mini-pleated HEPA Filter 는 0.3um 크기 이상의 입자를 99.993% ~ 99.995% 여과

‣ 옵션 : ULPA Filter 는 0.12um 크기 이상의 입자를 99.9999% 여과

‣ 전면 유리도어는 사용 전후 완전히 밀폐하여 멸균시 자외선이 외부로 조사 되지 않도록 설계

‣ 내구성이 뛰어난 에폭시 분체도장 본체

‣ 소음과 진동이 작아 쾌적한 작업환경 제공

‣ 주광색 형광등 작업 램프

‣ 253nm UV 멸균램프

Options

Art No.	Descriptions
	ULPA Filter Option (Factory Built-in)
OHF-U05	for JSCB-900SL
OHF-U06	for JSCB-1200SL
OHF-U07	for JSCB-1500SL
OHF-U08	for JSCB-1800SL

Ordering Information

		JSCB-900SL	JSCB-1200SL	JSCB-1500SL	JSCB-1800SL
Working Width	mm	830 mm (3 ft)	1205 mm (4 ft)	1490 mm (5 ft)	1790 mm (6 ft)
Dimensions	Inner	830 x 526 x 585	1205 x 526 x 585	1490 x 526 x 585	1790 x 526 x 585
W x D x H mm	Outer	900 x 792 x 1990	1275 x 792 x 1990	1560 x 792 x 1990	1860 x 792 x 1990
HEPA Filter		0.3um Particle Removal 99.993% ~ 99.995%			
ULPA Filter	Option	0.3um Particle Removal 99.999%			
Air Circulation		Vertical Laminar Flow			
Controller	Display	Back Light Digital LCD			
	Speed Control	9 Step Air Velocity Control from 0.3m/sec. ~ 0.6m/sec.			
	Control	FL Lamp ON/OFF, UV Lamp ON/OFF, UV Timer / Total Using Time / Filter Replace Alarm			
Working Lamp		FL 20 W x 2 ea	FL 30 W x 2 ea	FL 30 W x 2 ea	FL 36 W x 2 ea
Germicidal UV Lamp		UV 20 W x 1 ea	UV 30 W x 1 ea	UV 30 W x 1 ea	UV 40 W x 1 ea
Utility		2 x Power Consent, 1 x Gas Cock, 1 x Air Cock			
Power Rating		0.9 Amp	1.6 Amp	1.6 Amp	1.7 Amp
Power Plug		CEE 7/7 Schuko			