

Biohazard Safety Cabinet, Class IIB2
Model : SCV-1308EC II B2



SCV-1308EC II B2

This safety cabinet separates the air supply system and the exhaust system, and adopts the non-circulation system, "All-Fresh". Furthermore, both inside and outside of the safety cabinet are isolated with the HEPA filter and the air barrier at the operation opening to prevent the experimenter from infection, and to protect the experimental material simultaneously. This safety cabinet is suitable for the experiments with possibility of biohazard that should not be performed under the draft circulation condition.

■ Specifications

Model		SCV-1308EC II B2
Type		Class II, Outdoor exhaust, JIS/NSF certified
Dust Collection Factor		HEPA filter
Dust Collecting Efficiency		99.99% for 0.3 μ particles
Air Volume	(exhaust)	26.1m ³ /min
Air Velocity	(on work top)	0.325 - 0.375m/s
	(air intake part)	0.6 - 0.65m/s
Air flow balance	Method	To sample and spray bacillus subtilis spores by JIS K 3800 nebulizer
	Personnel Protection Test	No. of colonies from AGI sampler synthesis floating liquid: 10 or less No. of colonies from the slit sampler: 5 or less
	Product Protection Test	No. of colonies on the petri dish placed all over the work bench: 5 or less
	Cross Contamination Test	No. of colonies on the petri dish placed 360 mm or more apart from the side surface: 2 or less
Body air tightness		The pressure is drop less than 10% after 30 minutes from the time when pressure gain 500pa at internal body
Strength of ultraviolet		Whole Work Bench Over 40μW/cm ²
Illumination Intensity		Average more than 800 Lux
Loading Weight of Work Table		Max. 50 kg
Power supply		1 phase AC100V 50Hz/60Hz 15A or 1 phase AC220V-240V 50Hz/60Hz with 1.5KVA step down transformer
Power consumption		160W
HEPA filter	For air supply	500 x 1240 x t65mm 1 pc (non separator type, aluminum frame)
	For exhaust	940 x 450 x t65mm 1 pc (non separator type, aluminum frame)
Material of exterior		Steel plate painted (excluding SUS parts)
Material of workbench		Stainless steel SUS304
Workbench height adjustment		Adjustable by adjuster from -70 + 15mm
Fluorescent lamp		40W x 2 pcs Inverter type
Sterilization lamp		15W x 2 pcs glow type
Front shutter		Transparent tempered glass t5mm
Differential pressure gauge		0~300 Pa (for exhaust HEPA)
Gas burner		Optional
Vacuum piping		1 pc (rubber cap is included, valve is not included)
Color		Neo white half tone
Weight		300kg
Exterior dimension		1,500 (W) x 780(D) x 2,230(H) mm
Work space dimension		1,300 (W) x 600(D) x 675(H) mm

*Remarks : Exhaust fan, Gas burner is not included.