

Biohazard Safety Cabinet, Class IIC
Model : SCV-803/1903 EC II C-AG



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-803 EC II C-AG	SCV-1903 EC II C-AG
Type		Class II, Outdoor exhaust, NSF certified	
Dust Collection Factor		HEPA filter	
Dust Collecting Efficiency		99.99% for 0.3 μ particles	
Air Volume	(exhaust)	14.0-22.0m ³ /min (When 18.0m ³ /min fan selected)	36.0-42.0m ³ /min (When 39.0m ³ /min fan selected)
Air Velocity	(on work top)	0.30 - 0.52m/s	
	(air intake part)	0.55 - 0.70m/s	
Air flow balance	Method	To sample and spray bacillus subtilis spores by 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 355.6 mm or more apart from the side surface: 0 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 950 Lux	Average more than 800 Lux
Loading Weight of Work Table		Max. 50 kg	
Power supply		1 phase AC100V 50Hz/60Hz 15Ax2lines or 1 phase AC220V-240V 50Hz/60Hz with 1.5KVAX2lines step down transformer	
Power consumption		310W	680W
HEPA filter	For air supply	500 x 760 x t150mm 1 pc	500 x 610 x t150mm 3 pc
	For exhaust	610 x 760 x t150mm 1 pc	610 x 610 x t150mm 3 pc
Material of exterior		Steel plate painted (excluding SUS parts)	
Material of workbench		Stainless steel SUS304	
Fluorescent lamp		30W x 2 pcs Inverter type	40W x 2 pcs Inverter type
Sterilization lamp		15W x 1 pcs glow type	15W x 2 pcs glow type
Front shutter		Transparent tempered glass t5mm	
Gas burner		Included	
Vacuum piping		1 pc (rubber cap is included, valve is not included)	
Color		Neo white half tone	
Weight		320kg	550kg
Exterior dimension		1,005 (W) x 800(D) x 2,310(H) mm	2,155 (W) x 800(D) x 2,310(H) mm
Work space dimension		800 (W) x 610(D) x 680(H) mm	1,950 (W) x 610(D) x 680(H) mm

*Remarks : Exhaust fan is not included.