

Safety Cabinet

Class IIC



Model SCV-1303ECIIC

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

Product Code		10000	100000	100000	
Model	SCV	803ECIIC	1303ECIIC	1903ECIIC	
Dust Collecting Element		HEPA Filter			
Dust Collecting Efficiency		99.99 % or more with particle of 0.3 μ m, passed Scan Test			
Gas Quantity	Exhaust	14.0m ³ /min. or more	24.5m ³ /min. or more	36.0m ³ /min. or more	
Wind Velocity	Inside Work Bench (50/60Hz)	Average 0.30 to 0.52m/s or more			In accordance with the NSF standard
	Inflow Opening	Average 0.55 to 0.70m/s or more (Standard is 0.5 m/s or more)			
Bacteria Test	Method	Make sampling by spraying the bacillus subtilis spore by nebulizer			
	Personal 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			
Airtightness of Main Body		When the freon gas is applied into the main body, the leakage from parts of the body under pressure of 498 Pa (50.8 mmAq) is 8.9 \times 10 ⁻⁵ ml/s or less			
Intensity of Ultra Violet Rays		Whole Work Bench: 40 μ W/cm ³ or more			
Power Source		100VAC Single Phase 50Hz/60Hz			
Material of Work Bench		Equal to Surface finish No.4 of JIS Corners shall be rounded.			
Dimension of Main Body: Width (mm)		1,000	1,500	2,150	
D \times H (separable)		800 \times 2,300 (1,700)			