



BIOLOGICAL SAFETY CABINET



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Darsun Scientific

BIOLOGICAL SAFETY CABINET



DS-IIA2 SERIES

Product Features

1. User Friendly Ergonomic Design.
2. Controlled Environment Particulate Free Product Protection.
3. Work area surrounded by negative pressure, double wall plenums for protection.
4. Aerodynamic designed airflow grille maintains safety by preventing blockage.
5. Silent Vibration
6. Free Blower ensure noiseless operation.
7. Sound level no more than 65 dbA.
8. The Unit is suitable for CLASS 100 conditions.
9. 70% of the air is re-circulated through the HEPA filter.
10. The contaminated air is drawn by the blower through the plenum of the cabinet.
11. 30% of the air is exhausted from work area.
12. Filtered Exhaust - protects ambient environment, and avoids build up, air borne particles.
13. The exhaust of Safety Cabinet is connected to the Virus Burn out Unit for product and personnel protection.
14. Air is drawn through Pre-Filter and is made to pass through high effective HEPA (High Efficiency Particular Air) filters.
15. The efficiency of HEPA Filter is greater than 99.97% down to 0.3 micron.
16. Basic material is Electro-galvanized steel (G.I.) /Stainless steel (304/316 grade)/Wooden (as ordered).
17. Working table is made of Stainless Steel Sheet (SS-304 grade).
18. Window opens to 20cm±5mm working height with predefined locking device.
19. Built in U.V. Germicidal light
20. Facilitates sterilization of working area before and after use. Cock - for gas, air or vacuum, (only 1 no.) is provided.
21. Working area is illuminated by fluorescent lighting fitted to the unit.
22. The blower and motor assembly is statically and dynamically balanced of 1/5 H.P. capacity operates with minimum noise level.
23. Height of the working table provides comfortable "SIT DOWN" working position for the operator.
24. Supplied complete with cord & plug to work on Single Phase 220 / 230 volts A.C. supply.

Model	DSC-600IIA2	DSC-1000IIA2	DSC-1300IIA2	DSC-1600IIA2
CleanlinessLevel	HEPA ISO 4 (Class 10 Cleanroom)			
Supply Air Velocity(m/s)	0.33±0.025			
Inflow Air Velocity(m/s)	0.53±0.025			
Noise(dB)	≤67			
VibrationSemi-Peak Value(µm)	≤5			
Voltage/Maximum Power Consumption	AC 220V/50Hz/0.8kW			
PersonnelBiosecurity & Protection	Impact sampler ≤10 CFU/Slit sampler ≤5 CFU			
Product Biosecurity & Protection	Petridishsamples ≤5 CFU			
Cross-Contamination Protection	Petridishsamples ≤2 CFU			
WorkingAreaDimensions(mm)	600×500×520	1000×520×640	1300×520×640	1600×520×640
OverallDimensions(mm)	740×650×1850	1165×760×2200	1465×760×2200	1765×760×2200
Illumination (LX)	≥800			
Weight(kg)	110			
Number of Operators	1			
DraftDirection	Top			