

TECHNICAL SPECIFICATIONS FOR CLIMATE CHAMBER

1. Temperature Range: 10°C to 60°C
2. Temperature sensitivity: +/-1°C
3. Relative Humidity Range: 40% to 95%; should be attainable at every point of the specified temperature range
4. Relative Humidity Sensitivity: +/- 2 %
5. Internal Capacity: 200 liters
6. No. of adjustable shelves: 3 (15 kg supporting capacity for each)
7. Limiting Outer Width: up to 800 mm
8. Internal body type: Double walled
9. Internal body material: at least SS 304 grade
10. External body material: Powder coated CRCA
11. Insulation material: CFC free polyurethane foam (PUF)
12. Heating arrangement: SS tubular heaters
13. Refrigerant: CFC free / Ozone friendly
14. Humidification: Droplet free water vapor generation arrangement
15. Dehumidification: Refrigerant based.
16. Air Circulation: Forced air circulation in internal chamber to enable uniformity of temperature and Relative Humidity
17. Illumination: 8W Fluorescent lamp
18. Power requirement: Single phase, 220-240 V, 50 Hz.
19. Sensor: Capacitance type sensor for temperature and humidity
20. Controller: Microprocessor controller with LCD display of set and actual conditions and battery backup
21. Data logging:
 - i. Recording of Temp. & Relative Humidity for 24 hr duration
 - ii. Histogram display of recorded data through controller.
 - iii. Port interfacing with printer
 - iv. Recording of power failure and resumption date and time
22. Safety systems:
 - i. Low water level alarm and power cut off
 - ii. Overload cut off relay for compressor
 - iii. Alarm in case of door open
 - iv. High temperature safety cut off & alarms for high/low set parameters

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Dr.S.Bishnoi

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TERMS AND CONDITIONS

1. Vendors are requested to provide a list of customers using the equipment
2. Equipment should be supplied within 6 weeks from the date of purchase order
3. Payment as per Govt. of India norms
4. Freight charges and VAT will be admissible as per actual
5. 12 months warranty cover against manufacturing and operational defects from the date of installation of the equipment

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