

Climatic chamber

We are one of the leading manufacturers of **Environmental Test Chambers**; our products are fabricated using the optimum quality raw material procured from the reliable vendors of the market. These find application mainly in the testing of electronics, components, pharmaceuticals, boards, quality control and R & D.



Features:

- Reliability
- Different screening
- Efficient performance

Specifications:

- Capacities ranging: 100 to 8000 liters
- Internal finish: 18 g, 304 grade stainless steel sheet
- External finish: 20 g pre-coated CRCA sheet
- Temperature range: -70°C to 180°C
- Accuracy: +/- 1°C
- Humidity range: 20% RH to 98% RH
- Accuracy: +/-3% RH

SRI EASWARI SCIENTIFIC SOLUTION

Old No- 499, New no: 2/20, Plot No - 110A, Srinivasanagar, 2nd cross street, Srinivasapuram, Baraniputhure, Iyyapanthangal,
Near: srinivasa welding shop, Chennai-600 056 INDIA,

DESCRIPTION

- **Chamber Construction:** The chamber is with double walled insulated construction with argon arc welded 18 Swg. SS 304 interior. The chamber is of vertical trolley mounting configuration. Full front opening double walled insulated door is provided with silicon rubber gasket with hinges and toggle type locking arrangement.
- **Air Circulation:** Fan/blower is provided for air circulation for maintaining uniform temperature. The chamber is provided with conditioning space consisting of the heating/ cooling systems.
- **Heating System:** Low surface loading sealed inconel tube
- **Refrigeration System:** Single Stage/Two stage cascade cooling refrigeration system working on Environmental friendly refrigerants
- **Instrumentation:** Microprocessor based Self-Tune PID type Temperature Programmer with Pt-100 sensor will be provided for Indication and control of temperature. Users can program different cycles as per Standards on the programmer. Must for Cyclic tests.
- **Safety:** Back up fuse protection for mains and individual circuit. Over temperature safety cut off thermostat with audiovisual alarm. Overload protector for compressor and motor. HP/LP cut off switch for compressor, Miniature Circuit Breakers for heaters.
- **Power Supply:** 415 V +/-5%, 3 phase neutral, 50 Hz. A.C. / 220 V +/-5%, Single Phase, 50 Hz, A.C.

Rate of change of temperature:

Standard: 1°C/min Average (Empty chamber)

Optional: 5 C/min Average (Empty Chamber) - 10°C/min using Liquid Nitrogen (LN₂)

Chamber	
Temperature range	-70 to 180 °C
Precision (± °C)	1 °C
Humidity range for temperatures from +20 to +80°C	20/95 %
R.H. precision	+/- 3 %
Dew point range for continuous tests	+5/+79 °C
Supply	230V +6/-10% / 50Hz / 1+G
Refrigerating gas	R404A/R23
Useful internal capacity available	50ltr,100Ltr,200Ltr,500Ltr, 1000ltr
Max. noise level with air condenser	78dB (A)
compressor	Danfoss or Emerson or Bitzer
Controller	PPI or equivalent
Air circulation motor	REMI or Eltech
Front Glass window	1 feet x 1 feet

Note: The product undergoes continuous R&D and up gradation and Design specifications are subject to change without notice.

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