Stability Test Chamber



Model :STC150

A stability test chamber maintains a precise temperature and humidity to test product stability under controlled environmental conditions. These chambers precisely control temperature, humidity, and gas levels to simulate real-world conditions.

Presto Enviro stability chamber features an insulated cabinet, heating and cooling systems, humidifers and dehumidifers, and uniform air circulation to ensure consistent conditions throughout. Stability chambers are manufactured in various capacities and designs to comply with established testing and global standards.

Key Feature

- **Stability Test Chambers are carefully designed and built to ensure consistent performance and a professional appearance.**

- They feature a unique air circulation system, refrigeration system, humidity control, and a full-view observation glass door with trays for easy access to samples.
- The Control Panel includes a microprocessor-based PID controller with auto-tuning capability, ensuring precise control of temperature and humidity.
- For safety, there's a thermostatic safety system in place, along with a low water level cutoff for the steam generation system.
- Additionally, there's a dedicated safety system to shut down the humidity system and the chamber in case of temperature or humidity deviations, with audible and visual alarms for immediate noti cation.
- Electrical safety fuses provide protection against short circuits, ensuring safe operation at all times.

Advance Feature

- The stability test chamber has been equipped with different testing capabilities and is capable of performing different tests on the samples.
- These chambers are used in different industries for evaluating stability in hot or cold, humid conditions, and when exposed to light.
- With the help of these chambers, you can easily simulate different environmental conditions for testing the shelf life of the specimen.
- It consists of energy-ef cient cooling and heating fans and compressors used to decrease the costs while running for longer periods during product testing.

  You will get different temperature and humidity ranges incorporated in these chambers to ensure accuracy in test results.

Specifications

- Capacity: 150 liters (Customisable on Request)
- Display: LED (Digital)
- Accuracy: Temp. ± 2^{o}C / Humidity ± 5%
- Least Count/Resolution Temp / Humidity: 0.1^{o}C / 1%
- Power: 15A, 220V , Single phase, 50 Hz
- Temperature Range: 15^{o}C to 60^{o}C
- Humidity Range: upto to 95% RH
- Timer: 999Hr (Changeable to Min. as per request)
- Water Level Low: Alarm output

Technical Specification

- No. of Sample racks: 2
- Handle: Yes
- Wet Heater: 1 Kw, 1 no.
- Dry Heater: 500 Watt, 1 no.
- Temperature Sensor: 1 (PT-100)
- Humidity Sensor: 1 (RH)
- Movement Castor: Wheels
- Material: Stainless Steel (Inner & outer body)
- Finish: Stainless Steel combination nish for corrosion resistant
- Dimensions: Inner : 455 x 455 x 710 mm & Outer : 660 x 930 x 1515 mm