

Humidity Chamber - Conditioning Chamber



Product Info :

Humidity Chamber is used to test the behaviour or performance of a product under specified or a range of temperature and humidity. The machine is used by several industries to conduct quality inspection tests, check product resistance against extreme weather conditions or deliver an environment of relative humidity and temperature for any processing of products. The machine is up-to-date with the latest design and test standards delivering nothing but the best to its users. Polymeric or plastic materials are part of many industries and are used under several types of conditions that can be humid and have a varied temperature. This can cause the products to fail and bring performance glitches. The polymer materials have to bear a high amount of pressure and are subjected to various environmental factors. Most of the time, the industrial environment is filled with a

higher percentage of humidity and temperature. This can cause the physical properties to change and make them fail to perform. To make sure that the quality of the products they deliver to the clients is the best, the manufacturers must test the impact of such extreme conditions on the physical properties of the material. The Humidity Chamber brings a highly efficient testing environment that can be used for inspecting the quality of polymers and rubber materials under extreme environmental factors such as high humidity, rapid temperature change and so forth. With the help of this machine, one can ensure that they offer nothing but the best products to the customers that have the maximum resistance against weather changes. The instrument has a chamber that is equipped with a spray humidifier and a PID temperature controller which is used for setting the test parameters to the desired level.

TECHNICAL DATA :

- Model Name: PCHC-1
- Number of Shelves: Two Stainless Steel Shelves
- Timer: Up to 999 min (Units are changeable to Hrs.)
- Temperature Range: Ambient to 60 Degree Celsius
- Humidity Range: Ambient to 90% RH
- Accuracy: ± 2 Degree Celsius
- Display Type: LED (Digital)
- Inner Chamber Dimensions: 24" x 24" x 24"
- Inner Chamber Material: Stainless Steel
- Chamber outside Body Material: Mild Steel Duly Powder Coated
- Designed as per Test Standards: D1776M – 15

FEATURES :

- Deliver higher accuracy and precision in test results
- Ensures uniform delivery of temperature and humidity during the test
- High-end digital display of test parameters
- High-grade imported glass wool insulation with stainless steel inner material
- The chamber delivers maximum thermal efficiency with insulated chamber.
- SSR-based heaters to provide accurate temperature
- Digital-based preset timer to set test duration
- Inbuilt feature of automated calibration
- The chamber is equipped with a Water Level Indicator
- Rapid Air Circulation Fan to distribute inside temperature, heat, cold and humidity, uniformly inside the chamber
- The machine is equipped with a Master PID controller to bring accuracy in test values
- Automated feature to stop the machine at a set time
- Time totalizer to calculate the number of hours of the test

Our Valuable Customer



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