

Stability Chamber



Product Info :

Stability Chamber is a widely used testing and storage device which assists the manufacturers in creating artificial environmental conditions to test the stability and behaviour of materials and products. In many industries, the materials and products need to be stored at a specific temperature and humidity level. For this, there is a requirement of instruments that are capable of creating desired level of humidity and temperature and also can ensure easily control of such parameters. This instrument can be used to test various parameters of products that affect the quality of the products such as shelf life. Stability in a particular environment, accelerated aging and expiration date testing. Stability chambers are best way to test and ensure the quality of products and give clients the best level of quality. Pacorr offers one of the most accurate and precise stability chambers that are used in many different industries for

testing the quality parameters of any products. In industries such as pharmaceuticals, packaging, personal care, food and biomedical sciences, there is a requirement of testing the products with high accuracy and ensure that the products are good in every aspect so that the customers get only the best quality of products. The stability chamber is mainly used in such industries to test the features of products such as shelf life, longevity and impact of extreme humidity and temperature level on the quality of products. The instrument is equipped with high accuracy temperature sensor that allows users to control the temperature and humidity with greater ease and precision. In addition to that, the instrument comes with a thick PUF insulation that prevents any impact of external element on the inner chamber of the device.

TECHNICAL DATA :

- Standard Model(S) : Inside S.S. 304 & outside mild steel powder coated
- Temperature Range : 20°C to 60°C
- Temperature Accuracy : $\pm 0.2^\circ\text{C}$
- Temp Uniformity : $\pm 2^\circ\text{C}$
- Humidity Range : 60% to 95% RH
- Humidity Accuracy : $\pm 2\%$ RH
- Humidity Uniformity : $\pm 5\%$ RH
- Controller & Sensor: Microprocessor - PID, with RTD sensor
- Display: Digital dual LED, 0.1°C steps readability & setability
- Water Consumption: Max. 8L per day demineralised water
- Resistance: 0.5 - 1 m Ω cm
- Water connection: Fill port: 1 8" female NPT, drain port: 3 8" FPT & 3 8" O.D. P-trap right rear, initial fill approx. 1L / 1qt.
- Voltage: 230V, 50/60Hz, 10.0 Amp
- Plug: Anchor, 3 pin, 16 amp
- Power Switch: 2-Pole

FEATURES :

- Double walled modular structure with 3" thick PUF insulation
- Inside Stainless Steel and Outside Mild Steel Powder Coated
- Interior illumination
- Inside full length observation glass door with secure gasket
- Handle and hinges for positive sealing with lock and key arrangement
- Heavy-duty door hinges and latches to maintain a secure and uniform seal
- Racks & trays – Stainless steel with adjustable height-2
- Interior illumination for working area
- U shaped S.S. Nichrome wire air heaters
- Humidity system with evaporation tray and reservoir tank with water level arrangement
- Compressor with CFC Free R 134 A / R 404 (Eco Friendly) refrigerant having state of art by-pass system for continuous run of compressor
- Safety controller sensor to cut off the supply in case of overshoot and undershoot of Temperature giving audio visual alarm: Ok
- Operations and Maintenance manuals
- Works on 230V AC single phase 50Hz
- Complete safety and alarm system

Our Valuable Customer



Pacorr Testing Instruments Pvt. Ltd.

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