

HUMIDITY CHAMBER

APPLICATIONS: -

Humidity chamber is an enclosure used to test the effects of humidity & temperature on biological items, industrial products, civil products, materials, electronic devices, and components etc. Humidity Chambers help evaluate material/product quality and reliability under Low/High Humidity ranges and the product decay and degradation due to it.

FEATURES: -

- Precision control for temperature and Humidity
- Ultrasonic Humidification for maintenance-free humidity control
- Ergonomically Designed for versatile usage
- Low Maintenance & Energy Efficient



**TECHNICAL SPECIFICATION: -**

| | | | | |
|----------------------|--|---|----------------|----------------|
| Capacity Ltr. | 120L | 150L | 230L | 345L |
| Capacity cuft. | 4cuft. | 6cuft. | 8cuft. | 12cuft. |
| Chamber Size | 455x610x410 mm | 500x825x415 mm | 600x600x600 mm | 600x900x600 mm |
| Controllers | Digital PID-based microprocessor controller cum indicator with dual display of set and process value | | | |
| Temperature | L.C. of 0.1 C with pt-100 probe | | | |
| Humidity | L.C. of 1% Rh with electronic sensor Range 5C to 60C | | | |
| Temperature Accuracy | +/-1.0C Uniformity | | | |
| Humidity Accuracy | +/-1.0C Humidity | | | |
| Range | | 40 to 95% Rh | | |
| Accuracy | | +/-3% Rh | | |
| Cooling | Hermetically sealed CFC free ISI marked compressor with safety devices for temperature control below ambient | | | |
| Heaters | "U" type(ISI marked) heating element | | | |
| HUMIDITY | Humidity inside the chamber is created with latest ultrasonic Humidifiers with product 1-5 micrometer of water droplets which is absorbed by the air quickly. This technology doesn't need nozzles, heaters of compressor etc. and the cost of Humidity th of other humidifying humidification is as low as 0.05kw/hr which is 1/10to 1/15 types. Ultrasonic humidifiers are almost maintenance free and the system does not generate heat at any point in humidification process. | | | |
| Chamber Material | Outer | Stainless Steel (304Grade) | | |
| | Door | Power Coated Steel/Stainless Steel (304Grade) gasket and a window for chamber inspection. | | |
| Insulation | High grade super fine mineral glass wool between the wall/PUF (optional) | | | |
| Air Circulation | Continues operating Axial fan : 2 nos | | | |
| Safety | Over temperature cut off, Water level monitor and power Breaker | | | |
| Electric Supply | 220V +/-10, 50Hz, 1 phase | | | |

*Different sizes as per requirements of the users can also be supplied on confirmed orders.