

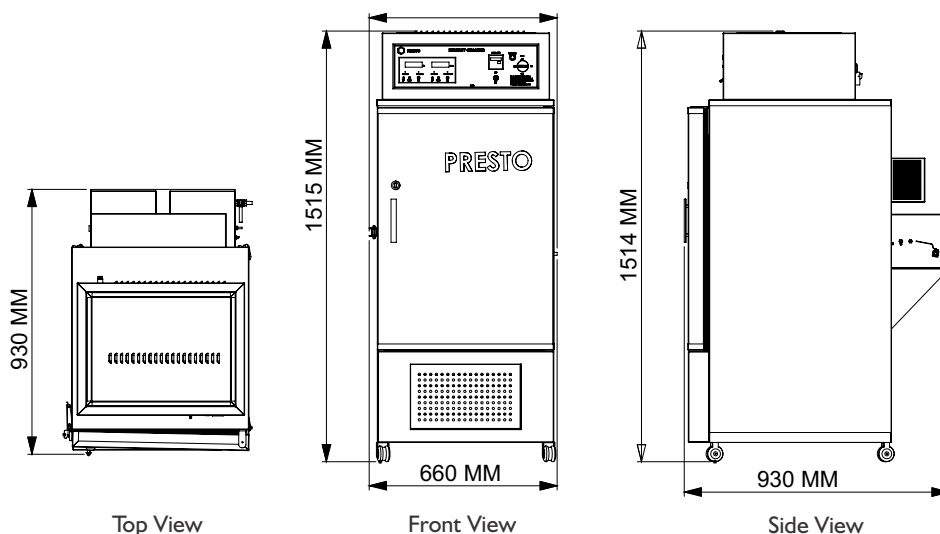
# Humidity/Conditioning Chamber



## Model no. PCC-800

**Humidity/Conditioning Chamber** is a unique test cabinet designed to create temperature and relative humidity inside the chamber to detect the change in the physical characteristics of material and to ascertain the actual working life of testing device. PRESTO humidity chamber is complies for standards ASTM D1776, ASTM D1776M-15, BS950 Part-1(D65).

- Temperature sensing through PT-100 sensor
- Alarm system with buzz sound at test end process
- Highly accurate test results under uniform temperatures and humidity levels in the chamber
- Digital Control for Humidity and Temperature
- High Grade imported puff insulation
- Maximum Thermal Efficiency by insulation means.
- SSR based heaters
- Digital Preset timer with LED Display
- In built Auto tuning function
- Water Level Indicator
- Equipped with rapid air circulation German imported fan for uniform and homogenous heating , cooling, humidity, de-humidity inside the chamber
- Inbuilt Calibration feature with reference to master PID controller
- Setting to RTD PT-100 sensor through advanced PID controller
- Auto stop feature to stop machine at set time
- Time totalizer to calculate the no. of Hours run by the instrument



Equipped with CFC free refrigerants and air cooled compressors, the instrument performs conditioning procedures required in various industries. The Humidity Chamber comes with aerodynamically shaped fans for maintaining heating, cooling, humidification and dehumidification efficiency and provides environmental simulations.

**Key Specifications:**

Capacity	150 litres
Display	LED (Digital)
Accuracy	Temp. $\pm 2^{\circ}\text{C}$ / Humidity $\pm 5\%$
Least Count/Resolution Temp / Humidity	0.1 $^{\circ}\text{C}$ / 1%
Power	15A, 220V, Single phase, 50 Hz
Temperature Range	15 $^{\circ}\text{C}$ to 60 $^{\circ}\text{C}$
Humidity Range	upto 95%RH
Timer	999 Hr (Changeable to Min. as per request)
Water Level Low	Alarm output

**Optional :**

- Printing Facility.
- Outer Body with Stainless Steel finish also available.
- Humidity Chamber Touch Screen with HMI model also available on request.
- Digital cum Computerised Models in Various capacities also Available.

**Highlights:**

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	Mild Steel (Outer Body) Stainless Steel (Inner Body)
Finish	Powder coated Havel Gray & Blue combination finish and bright chrome / zinc plating for corrosion resistant finish
Dimensions	Inner : 455 x 455 x 710 mm Outer : 660 x 930 x 1515 mm

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