



**BANBROS ENGINEERING PVT. LTD.**

The Precision Measurement People

# HUMIDITY CHAMBER WITH PLC CONTROLLER



- *VALUE*
- *VERSATILITY*
- *PERFORMANCE*

## **BHC-CT SERIES**

**DESCRIPTION:**

Humidity Chamber is a unique test cabinet design to create temperature and relative humidity inside the chamber to detect the change in the physical characteristics of material & to ascertain the actual working life of testing device.

**FEATURES:**

- Imported noise free German/Japanese fans used the uniform air circulation.
- Temperature sensing through PT-100 sensor.
- Highly accurate test results under uniform temperatures and humidity levels in the Chamber.
- PLC control for humidity and temperature.
- High grade imported PUF insulation.
- Maximum thermal efficiency by insulation means.
- SSR based heaters.
- Real time data recording with temperature and humidity.
- USB option available for storing test data.
- Run time v/s temperature/humidity graph.
- Inbuilt auto tuning function.
- Water level indicator.
- Equipped with rapid air circulation German/Japanese imported fan for uniform and homogenous heating, cooling, humidity, dehumidify inside the chamber.
- Inbuilt calibration feature.
- Auto stop feature to stop machine at set time.
- 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.

**TECHNICAL SPECIFICATION:**

Model No.	BHC-120-CT	BHC-150-CT	BHC-230-CT	BHC-345-CT
Capacity Ltr.	120L	150L	230L	345L
Capacity cuft.	4cuft.	6cuft.	8cuft.	12cuft.
Chamber Size	455x610x410 mm	500x825x415 mm	600x600x600 mm	600x900x600 mm
Display	HMI based touch screen			
Accuracy	Temp. +/- °C/Humidity +/- 5%			
Least	0.1 °C / 1%			
Power	15A, 220V, Single phase, 50Hz			
Temperature range	15 °C to 60 °C			
Humidity range	Upto to 95% RH			
Timer	999 Hr			
Water Level Low	Alarm Output			

\*Different size as per requirement of the users can also be supplies on confirmed Order.