



# HUMIDITY CHAMBER

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



## **BHC-C SERIES**

**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: -**

Model No.	BHC-120-C	BHC-150-C	BHC-230-C	BHC-345-C
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			
Temperature	Range	5C to 60C		
	Accuracy	+/-1.0C		
	Uniformity	+/-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 humidification is as low as 0.05kw/hr which is 1/10to 1/15 <sup>th</sup> of other humidifying types. Ultrasonic humidifiers are almost maintenance free and the system does not generate heat at any point in humidification process.			
Material	Chamber	Stainless Steel (304Grade)		
	Outer	Power Coated Steel/Stainless Steel (304Grade)		
Door	Double walled sturdy door with catchers, heavy hinges and synthetic rubber 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 size as per requirement of the users can also be supplies on confirmed Order.