



Better Quality Better Life



Source Industrial Supply

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## Temp. & Humidity Chamber BTH

### Features

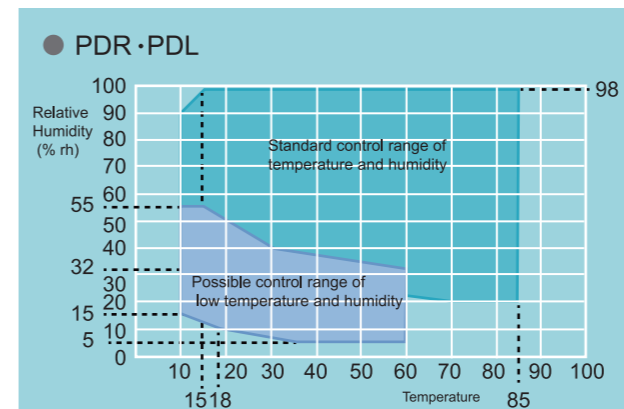
- Energy saving control system: Refrigerant flow is automatically adjusted by PID and solenoid valve, heat load of DUT can be effectively removed.
- No condensation and no frost design to provide high accuracy and pretend misreading of testing results, in line with international standards.
- Water and electricity separation, attentive structure design to ensure less failure and more secure.
- Alarm and show an automatic message on the controller display when water stock of humidity tank is less than the safety amount.
- High quality craftsmanship, modular design& construction.
- Adopting international famous brand compressors, core parts & components, ensure better performance & more reliable service life.



## Temp. & Humidity Chamber BTH

## Temp. & Humidity Series

### Temp. Range



The above performance is measured in the ambient temperature of + 23°C, without any load and heat dissipation. Continuous running at or below +40°C is limited because of frost formation on the cooler and dehumidifier.

### Control System

- Network solution& multiple language selection LCD touch screen controller: Communication support is available with RS-485/ RS-232C/USB Interface. An Ethernet (LAN) port is also available as an option, for simple connection of a computer, tablet computer, or other terminal.
- Program setting: 120 Program group×1200 procedures, each group can run 999 times and programs can be segmented to perform part of the cycle.
- High repeatability and reproduction ability, high stability of temperature and humidity control is achieved by PID+SSR and FUZZY control system.
- 8 different failures can be sensed by built-in detection system.

- Standard control range of temperature and humidity
- Possible control range of low temperature and humidity

### Specification & technical data

Model	BTH-150	BTH-225	BTH-4080	BTH-800	BTH-1000
Capacity(Liters)	150	225	408	800	1000
Performance ※1	Temp. range				
	Temp. constancy				
	Temp. uniformity				
	Humidity range				
	Humidity deviation				
Max current(A)	13	14	14	24	24
Power(KW)	4.5	4.5	5	8	8
Net weight(kg)	300	320	340	720	750
Interior dimensions	W(mm)	500	500	1000	1000
	H(mm)	600	750	850	1000
	D(mm)	500	600	800	800
Exterior dimensions	W(mm)	700	950	1050	1500
	H(mm)	1700	1700	1800	1750
	D(mm)	1220	1224	1424	1280
Material	Body shell	SUS304 Stainless Steel Plate with brushed /coated finishing			
	Inner wall	SUS304 Stainless Steel			
	Insulation	Fireproof PU+ Glass Fiber Wool			
Air-conditioning system	Heater	Iron-chrome wire heater or Finned tube heating system			
	Blower fan	Centrifugal fan			
	Cooling mode	Cascade refrigeration system / single stage(water or air cooled)			
	Compressor	Tecumseh Hermetic/ GEA Bock Semi-Hermetic compressor			
Control system	Controller	5.7" /7"IPC based LCD Touch panel with English language			
	Input	PT100 /Electronic sensor			
Water supply	Control mode	(BTHC)P.I.D+P.W.M.+S.S.R.			
	Supply mode	Water pump			
	Built-in tank	15kg	15kg	20kg	30kg
Power source	AC380V, 50/60Hz, 3φ 4W+E / AC220V, 50/60Hz,3φ 4W+E;				
Standard Features	Cable port (Φ50) &Silicone stopper*1pc; sample holder*2pcs; Power cord*3M*1pc				
Safety protection	Leakage protection,Overload circuit-breaker,Overload protection for compressor&blower, overheating&dry heat protection for humidification system,Over Current Protection, Phase-sequence Protection,over-temperature protection				

※ 1 Performance is measured in the ambient temperature of + 25°C /Circulating water temperature of + 25°C, without any load and heat dissipation.  
Note : 1.We reserve the right to change specifications without prior notice 2. Customized sizes and configurations available.