



Better Quality Better Life



Source Industrial Supply

Phone: +1-505-550-6501 and +1-505-565-5102 Fax: +1-505-814-5778

Email: info@sourceindustrialsupply.com, Web: http://www.sourceindustrialsupply.com

## Rapid-rate Temp. Change Chamber BTC

### Features

- Wide selection of temperature rate of change between linear speed 5 °C/min to 15 °C/min and average speed 5 °C/min to 25 °C/min.
- Meet international environmental test standards like IEC,GB...
- Controllable temp ramp function, such as technology to ensure uniformity of airflow speed to minimize specimen temperature, and increase refrigeration capacity at low temperatures
- Comprehensive safety system to ensure secured use in operating the equipment
- Interactive LCD Color touch screen system with multiple language selection



## Rapid-rate Temp. Change Chamber BTC

## Thermal Cycling Series

### ◆ Model Name

**B** **T** **C** XXX-XX

B=BACL design      ×××=Capacity (Liters)  
 T=Temperature      ××=Average speed(°C/min)  
 C=Change          ××L =Linear speed(°C/min)



Program setting

Sample test profile

### ◆ Specification & technical data

Model	BTC-180	BTC-408	BTC-1000
Capacity(Liters)	180	408	1000
Interior dimensions	W(mm)	600	1000
	D(mm)	500	1000
	H(mm)	600	850
Max current(A)	20-30A	30-40A	60-80A
Max Power(KW)	15-19KW	21-27KW	30-40KW
Operating Environment	5 ~ +35 °C / ≤ 85%RH		
Control system	P.I.D.+BTHC		
Power source	AC 380V 50HZ, 3ψ+N+PE		
Performance *3	Temp. range	-70 °C ~ +150 °C	
	Humidity range	15-85 °C 20% ~ 98%RH	
	Temp. Constancy	≤ ±0.5 °C	
	Temp Uniformity	≤ 2 °C (-40 ~ 100 °C)	
	Temp deviation	≤ ±2 °C	
	Humidity deviation	≤ ±3%RH	
	Heat up time*2	10 °C /min , 15 °C /min	10 °C /min , 15 °C /min
Pull down time*2	10 °C /min , 15 °C /min	10 °C /min , 15 °C /min	10 °C /min , 15 °C /min
View window	Multilayer toughed glass view windows with built-in heaters		
Controller	5.7" /7"IPC based LCD Touch panel with English language		
Cooling mode	Water-cooled condenser		
Humidification water supply	Manual adding water is standard feature		
	Automatic water supply with RO water purifier & recoverable supply system are optional		
Standard features	• Caster wheel*4		
	• Cable port Φ50mmx1 /Φ100mmx1with silicone stopper		
	• Interior lighting		
	• Sample holders*2pcs		
	• water-cooled		
Options	• USB interface /RS485 or RS232		
	• Additional sample holders		
	• Recorder		
	• Sample temperature monitoring device		

\*1 : Humidity control is an option .

\*2: Average temp change rate between highest and lowest temperature without any load and heat dissipation, refer to IEC60068-3-5 .

\*3: Performance is measured in the ambient temperature of + 25 °C and sensors are placed at the outlet of air conditioning unit ;

Note : 1.We reserve the right to change specifications without prior notice 2. Customized sizes and configurations available.