

# ВТЛ, ВТТ, ТС

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# Double Deck High and Low

## Temperature Test Chamber

+ Inner Chamber Dimensions (W x D x H) mm

600*700*600	<b>BTL-D2-252</b>
800*600*600	<b>BTL-D2-288</b>
1000*600*600	<b>BTL-D2-360</b>

+ Outer Chamber Dimensions (W x D x H) mm

1300*1800*1950	<b>BTL-D2-252</b>
1500*1700*1950	<b>BTL-D2-288</b>
1740*1900*2100	<b>BTL-D2-360</b>



**Extraordinary production performance brings more business.**

### Performance Parameter

	<b>BTL-D2-252</b>	<b>BTL-D2-288</b>	<b>BTL-D2-360</b>
Structure	Two separate working chambers on top and bottom		
Temperature Range	B: -20°C to +150°C C: -40°C to +150°C D: -70°C to +150°C		
Temperature Fluctuation	±0.5°C		
Air Supply Mode	Forced internal circulation, horizontal air supply (or ceiling air supply)		
Heating Rate	Average 1-3°C/min full range (non-linear, no load)		
Cooling Rate	Average 1°C/min full range (non-linear, no load)		
Temperature Uniformity	<2°C (no load, constant state)		
Temperature Deviation	±2°C		
Observation Window	W300 x H400 mm, triple-layer vacuum toughened glass		
Testing Terminal or Cable Port	12 sets testing terminals installed inside and outside chamber on the left side(cable port for optional)		
Cooling Method	Air-cooling or water-cooling		
Compressor	French Tecumseh compressor, American Copeland compressor, or German Bitzer compressor		
Control Method	Touch screen programmable control PLC, with USB interface, RS485 interface for computer control, special network control software for easy remote monitoring and data acquisition		
Inner Chamber Material	1.0mm SUS304# stainless steel		
Outer Chamber Material	1.2mm cold roll steel, powder-coated, high-temperature plasticized		
Power	AC380V50HZ		
Safety Protection	Automatic explosion-proof and pressure relief device, explosion-proof chain, Tri-color light alarm device, remote control, smoke exhaust device, fire extinguishing device, etc.		
Communication Protocol	Develop communication protocol for use with charge and discharge tester		

# Triple-deck High and Low Temperature Test Chamber

+ Inner Chamber Dimensions (W x D x H) mm

450*450*450	<b>BTT-D3-80</b>
1000*600*600	<b>BTL-D3-360</b>

+ Outer Chamber Dimensions (W x D x H) mm

1300*1150*1950	<b>BTT-D3-80</b>
1740*2100*2500	<b>BTL-D3-360</b>



**Extraordinary production performance brings more business.**

## Performance Parameter

	<b>BTT-D3-80</b>	<b>BTL-D3-360</b>
Structure	Testing chamber is designed with a three-compartment structure (upper, middle, and lower compartments)	
Air Supply Mode	Forced internal circulation, from upper to lower air supply circulation	
Temperature Range	B : -20X to +150°C C : -40°C to +150°C	
Temperature Fluctuation	±0.5°C	
Heating Rate	Average 1~3°C/min full range (non-linear, no load)	
Cooling Rate	Average 1°C/min full range (non-linear, no load)	
Temperature Uniformity	<2°C (no load, constant state)	
Temperature Deviation	≤±2°C (no load, constant state)	
Observation Window	Triple-layer vacuum toughened explosion-proof glass	
Cable Port	Cable port can be opened on the left side of the Chamber	
Cooling Method	Air-cooling or water-cooling	
Compressor	French Tecumseh compressor or German Bitzer compressor	
Control Method	Touch screen programmable control PLC, with USB interface, RS485 interface for computer control, special network control software for easy remote monitoring and data acquisition	
Inner Chamber Material	1.0mm SUS304# stainless steel	
Outer Chamber Material	1.2mm cold roll steel, powder-coated, high-temperature plasticized	
Power	AC380V50HZ	
Safety Protection	Automatic explosion-proof and pressure relief device, explosion-proof chain, tri-color light alarm device, remote control, smoke exhaust device, fire extinguishing device, etc.	
Communication Protocol	Develop communication protocol for use with charge and discharge tester	

# Four-deck High and Low Temperature Test Chamber



+ Internal Size (W x D x H) mm

850\*850\*400

**BTL-D4-289C**



**Extraordinary production performance brings more business.**

## Performance Parameter

### BTL-D4-289C

Structure	Four working chambers in an integral design (customizable to left and right structures)
Air Supply Mode	Forced internal circulation, horizontal air delivery
Temperature Range	-40°C-+150°C
Temperature Fluctuation	±0.5°C
Heating Rate	Average of 1-3°C/minute throughout the process (non-linear, without load)
Cooling Rate	Average of 1°C/minute throughout the process (non-linear, without load)
Temperature Uniformity	^2°C (without load, at constant state)
Temperature Deviation	<±2°C
Observation Window	W300 X H400 MM, triple-layer vacuum toughened glass
Testing Terminal	12 sets of terminals installed inside and outside the box on the left side for connection with test cabinet
Cooling Method	Optional air cooling or water cooling
Compressor	French Tecumseh compressor
Control	PLC programmable control with touch screen, USB interface, RS485 interface for PC control, specialized network control software for remote monitoring and data acquisition
Internal Material	1.0mm SUS304 stainless steel
External Material	1.2mm cold roll steel powder-sprayed, high-temperature plasticized
Power Supply Voltage	AC380V 50HZ
Safety Protection	Automatic explosion-proof pressure relief device, explosion-proof chain, tri-color lamp alarm device, remote control, smoke exhaust device, fire extinguishing device, etc.

# Four-deck High And Low Temperature Test Chamber

◆ Internal Dimension (W x D x H) mm  
500\*800\*600

◆ External Dimension (W x D x H) mm  
1750\*2150\*2150

## TC-D4-240CT

Uses a one-to-many temperature and humidity controller and one set of refrigeration system.



## Advantages

- ◆ Can independently control temperature;
- + Supports one-to-two, one-to-three, and one-to-four control;
- + Linear control, high humidity and low humidity control;
- ◆ Comes with standard USB, RS485, LAN interfaces;
- ◆ Expandable without limits;
- + Saves space for the unit and makes the equipment's overall size smaller;
- + Saves costs by not requiring a separate refrigeration system for each temperature zone;
- ◆ Convenient operation with one touch screen controlling four temperature zones;
- ◆ Easy to maintain, the unit is simple and has fewer refrigeration components.

## Extraordinary production performance brings more business.

### Performance Parameter

<b>TC-D4-240CT</b>	
Temperature Range	-40°C~+100°C
Temperature Fluctuation	< ±0.3°C(<85°C); < ±0.5°C(>85°C);
Temperature Deviation	< ± 1.0°C(^85°C); < ± 2.0°C( > 85°C) J
Temperature Uniformity	^1.0°C(<85°C);<2.0°C(>85°C);
Heating Ramp Rate	>5.0°C/min (Average in full range, no load)
Cooling Ramp Rate	>1.0°C/min (Average in full range, no load)
Charge-discharge Module	1000A, 8CH
Liquid Cooling Module	It adopts 1 set of refrigeration system and 1 controller which can independently control temperature in 4 cabinets.
Air Supply Mode	Horizontal air supply
Cooling Way	Water-cooled
Control Way	Touch screen programmable PLC
Internal Material	1.0mm SUS304# stainless steel
External Material	1.2mm cold rolled steel, powder sprayed
Safety Functions	Tri-color light alarm device (explosion-proof chains, automatic pressure relief device, smoke exhaust device, fire extinguishing device) for option.

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