

Cold thermal shock test chamber



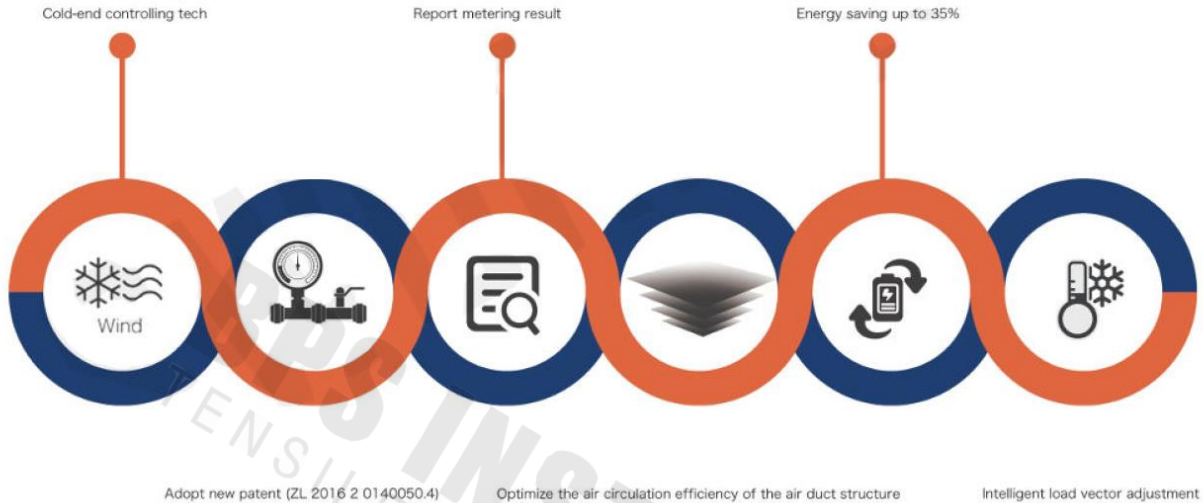
2-box type



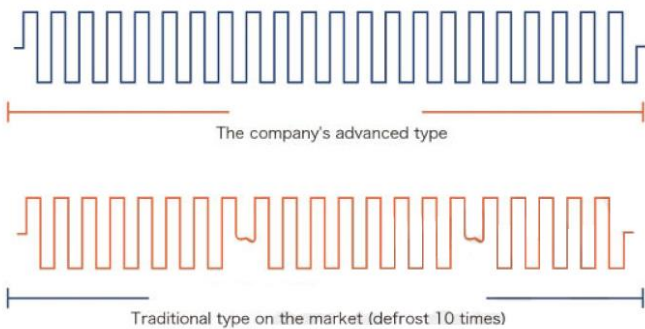
3-box type

The thermal shock test chamber, also known as the temperature impact test or the high and low temperature impact test, is used to evaluate the adaptability of the product to the rapid changes in the ambient temperature, the indispensable test in the identification test of the equipment design and the routine test in the batch production phase. It can also be used in environmental stress screening tests in some cases. Applicable to all kinds of electronic components, hardware appliances, plastic materials, automotive, medical, chemical, communications and other industries.

■ ■ Six core strengths: reliable and assured



■ ■ Temperature and humidity impact diagram



defrosts the time

■ ■ Standards

GB/T 2423.22-2012 Part 2: Test methods
Test N: Temperature change;
IEC 60068-2-14-2009 Environmental test
Part 2-14 Test Test N temperature change;
GJB 150.5A-2009 temperature shock test;
GJB 360B-2009 Test methods for electrical
and electronic components.

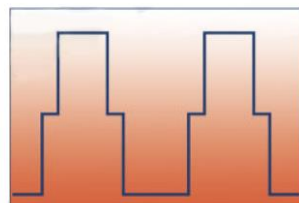
GB/T2424.5-2006 Environmental testing of elec-
trical and electronic products; performance test
of temperature test chamber;
GB/T5170.2-2008 electronic and electrical prod-
ucts environmental testing equipment inspection
method + temperature test equipment;
JJF1101-2003 Environmental test equipment
temperature and humidity calibration specifica-
tions.

■ ■ Security system

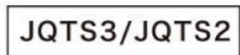
- 1、over temperature alarm
- 2、leakage protection
- 3、lack of phase protection
- 4、over current protection
- 5、fast fuse
- 6、voice alarms, etc.
- 7、Overpressure protection
- 8、grounding protection
- 9、line fuses and fully sheathed terminals
- 10、Water shortage and gas shortage protection



Two box test curve



Three-box test curve



Model	JQTS3-50	JQTS3-80	JQTS3-100	JQTS3-150	JQTS3-225	JQTS3-408	JQTS3-800	JQTS3-1000
Inner size W*D*H(cm)	40*32*42	50*40*42	55*45*42	68*50*45	75*60*50	80*80*60	100*100*80	100*125*80
	35*32*40	50*40*40	50*50*40	65*50*46	65*70*50	85*80*60	100*100*80	100*125*80
Outer size W*D*H(cm)	140*140*188	150*140*188	155*150*188	170*168*195	180*198*205	195*230*235	230*268*270	230*320*270
	125*160*185	135*170*185	140*185*190	160*190*205	160*230*210	180*280*240	320*260*240	320*290*240
N.W capacity(L)	50L	80L	100L	150L	225L	408L	800L	1000L
N.W weight(kg)	800	900	950	1050	1250	2800	3600	4500
Temp.Rnage	A型：-40℃~150℃ B型：-55℃~150℃ C型：-60℃~150℃							
Impact type	High temperature—low temperature Low temperature—high temperature Normal temperature—high temperature—normal temperature—low temperature Normal temperature—low temperature—normal temperature—high temperature (three boxes) High temperature—low temperature low temperature—high temperature (two boxes)							
Heatingtime (hightemperaturearea)	室温 RT ~ 200℃约需 30 分钟以内 (室温在 +10 ~ +30℃时) Room temperature RT ~ 200 °C takes about 30 minutes (room temperature is +10 ~ +30 °C)							
Cooling time (lowtemperaturezone)	RT ~ -70℃ 60							
Temperature transfer time	-40℃/-55℃/-60℃ ~ +150℃ It takes about 3~5s (two boxes)							
Temperature stable time	5 ~ 10min (< t1/10)							
Temperature fluctuation range	±0.5℃							
Cabinet material	Outer box: standard foot 1.5mm electrolytic plate electrostatic spray paint Inner box: standard 1.2mm thick SUS#304 stainless steel plate (matte treatment)							
Insulation material	High density rock wool + high temperature resistant high density polyurethane foam							
Controller	7 inch color Chinese and English touch screen (optional 10 inch) USB, RS232 interface, mobile APP, computer connection remote control (optional network interface)							
Control system	Semi-sealed two-stage compressor (water-cooled) / fully sealed two-stage compressor (air-cooled)							
Cooling system	Semi-sealed two-stage compressor (water-cooled) / fully sealed two-stage compressor (air-cooled)							
Compressor	Fully enclosed French "Taikang" / semi-closed German "blog"							
parts	Glass viewing window, two adjustable upper and lower compartments, power test holes, casters, horizontal support frame							
Power Supply	AC/380V , 50HZ							