

## 2-Zone Thermal Shock Chamber

2 Zone Thermal Shock Test Chamber is used for extremely high and low temperature in time as short as possible, to test chemical or physical damage to the specimen. Specimen fits for metal, plastic, rubber, electrical components, etc.

The testing result can be data or proof for improving a products.

### Features:

All functions are controlled by computer, independently developed software, good operation interface, which makes the user's operation and monitoring more simple and intuitive; Keeping in the current state, you can temporarily change the value of this block, you can set the time parameters on screen, switch cooling and heating, and the basket transmission, automatically according to the set value;

The cold and hot temperature zone are independently controlled, which expands the scope of test and product thermal insulation effect can be fully guaranteed.

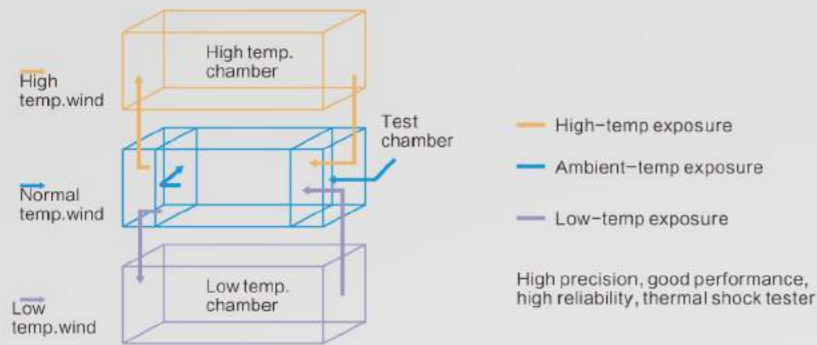
Ensure safety of operator. Once the chamber door is opened, power of circulating fan and basket drive will be automatically cut off.



SPECIFICATIONS					
Model		TST			
		100A/B/D	200A/B/D	300A/B/D	500A/B/D
Temp. range	High Temp zone	+60°C to +200°C			
	Pre-heating	+60°C to +200°C in 30min			
	Low Temp zone	A: 0°C to -60°C	B: 0°C to -70°C	D: 0°C to -75°C	
	Pre-cool time	A: +20°C to -60°C in 60min B: +20°C to -70°C in 70min D: +20°C to -75°C in 70min			
	Test room	A: +60°C to +150°C, -40°C to -10°C B: +60°C to +150°C, -55°C to -10°C D: +60°C to +150°C, -65°C to -10°C			
Recovery time		High-temp exposure			
		Low-temp exposure			
		Temp.recovery within 5 minutes			
Test Weight(KG)		5	7.5	15	20
Basket size: (Interior)	W( mm )	710	800	800	1000
	H( mm )	345	410	610	500
	D( mm )	410	610	815	1000
Interior material		Stainless Steel Plate (SUS304)			
Exterior material		Baked Painting Steel or Stainless Steel (SUS304 )			
Insulation material		Rigid polyurethane Foam+Glass Fiber Wool			
Refrigeration system		Semi-hermetic compressor ,cascade refrigeration system , Eco-friendly refrigerant			
Controller		7-inch LCD touch screen. Chinese /English display for option Program or fix point running 120programs ,1200steps,99-999 cycles Temp:0.1% of F.S + digit Humidity :0.1% of F.S + digit Temp :PT-100 Humidity:pt-100 or 5-VDC RS-232 / RS-485 software for option			
Safety device		No fuse breaker ,over pressure ,over heat ,over current for compressor , over temp over load protector for fan , dry heat protector , shortage water protector			
Standard accessories		Samples shelves :2 pcs, cable port:Φ50mm*1			
Ambient temp		+5°C~+35°C			
Power supply		AC 380 ± 10% 50Hz/3 phase 4 wires+Groud Wires			

### 3-Zone Thermal Shock Chamber

KTS series is designed to evaluate reliability of test specimens by rapid change of the air temperatures from hot to cold repeatedly by opening and closing of damper in a single test area. You can get accurate test results without any mechanical impact on test specimens because a test area does not move. Also suitable for testing large size, heavy specimens and/or testing many small devices at one time.



### SPECIFICATIONS

Model	KTS3					
	64A/B/D	100A/B/D	200A/B/D	300A/B/D	500A/B/D	
Temp. range	High Temp zone	+60°C to +200°C				
	Pre-heating	+60°C to +200°C in 30min				
	Low Temp zone	A: 0°C to -60°C	B: 0°C to -70°C	D: 0°C to -75°C		
	Pre-cool time	A: +20°C to -60°C in 60min	B: +20°C to -70°C in 70min	D: +20°C to -75°C in 70min		
	Test room	A: +60°C to +150°C, -40°C to -10°C	B: +60°C to +150°C, -55°C to -10°C	D: +60°C to +150°C, -65°C to -10°C		
Recovery time	High-temp exposure					
	Low-temp exposure					
	Temp.recovery within 5 minutes					
Test weight (KG)	3	3	5	7.5	7.5	
Interior size(mm)	W	400	500	650	850	1000
	H	400	450	460	600	750
	D	400	450	670	650	700
Exterior size(mm)	W	1420	1520	1620	1840	1900
	H	1930	1980	1980	1862	1962
	D	2000	2050	2140	2100	2200
Interior material	Stainless Steel Plate (SUS304)					
Exterior material	Baked Painting Steel or Stainless Steel (SUS304 )					
Insulation material	Rigid polyurethane Foam+Glass Fiber Wool					
Refrigeration system	Semi-hermetic compressor ,cascade refrigeration system , Eco-friendly refrigerant					
Controller	7-inch LCD touch screen. Chinese /English display for option Program or fix point running 120programs ,1200steps,99-999 cycles Temp:0.1% of F.S + digit Humidity :0.1% of F.S + digit Temp :PT-100 Humidity:pt-100 or 5-VDC RS-232 / RS-485 software for option					
Safety device	No fuse breaker ,over pressure ,over heat ,over current for compressor over temp ,over load protector for fan , dry heat protector , shortage water protector					
Standard Accessories	2pcs sample shelves, cable port: 50mm x 1pcs					
Ambient Temp	Power supply					