

2-Zone Thermal Shock Chamber

Summary

2 Zone Thermal Shock Testing 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.

Characteristic:

Optimized Structure, Frequency controlled ventilator, Strong Cooling ability; Imported top brand refrigeration and electrical components to ensure chambers high reliability; Touch Screen Controller, easy operation and maintenance ; Ventilation Over Load protection, Compressor Delay Start protection, etc ; Defrosting can be optional according to customer's requirement; All chambers are commissioned and accepted in customer's facility, to ensure function of the equipments.



Specifications

Model		TST			
		100A/B/D	200A/B/D	300A/B/D	500A/B/D
Basket material (cm)	W	71	80	80	100
	H	34.5	41	61	50
	D	41	61	81.5	100
Interior material		Stainless Steel Plate (SUS 304)			
Exterior material		Baked Painting Steel Or Stainless steel(SUS304)			
Insulation material		Rigid polyurethane Foam+glass fibre wool			
Test weight (KG)		5	5	5	10
Temp.range	High Temp. chamber	+60°C ~ +200°C			
	Pre-heating	+60°C~+200°C Within 25 min			
	Low Temp.chamber	A -55°C~-10°C	B -70°C~-10°C	D -80°C~-10°C	
	Pre-cool time	A +20°C~-50°C Within 60 min	B +20°C~-70°C Within 60 min(360/500B)	D +20°C~-70°C Within 60 min(360/500B)	
	Test.chamber	A -40°C~+150°C	B -55°C~+150°C	C -65°C~+150°C	
	Recovery time	Exposure 30 min Exposure 30 min Within 5 min (transfer time ≤ 5 seconds)			
Refrigeration system		(HFC-404R and HFC-23) Semi-hermetic compressor, cascade refrigeration system,CFC free referigerant			
Controllor	Panel Operation model Memory capacity Accuracy Input Comm.port	7 " LCD Touch panel, Chinese or English display for option Program or fix point rinning120 programs,1200steps 99-999 cycles Temp.:0.1% of F.S ± 1 digit Humidity:0.1% of F.S ± 1 digit Temp.:pt-100 Humidity: pt-100 or ~5V DCV RS-232 or RS-485 Software for option			
Safety Devices		No fuse breaker, over pressure, over heat and over current protectors for compressor, over temp. protector, over load protector for fan, dry heat protector			
Standard Accessories		(Φ50mm)*1,Shelves*2,cable port(portΦ50mm)*1			
Ambient Temp.		-5°C ~ +35°C			
Power		AC 380 ± 10% 50Hz 3 phase 4 wires+Groud Wires			

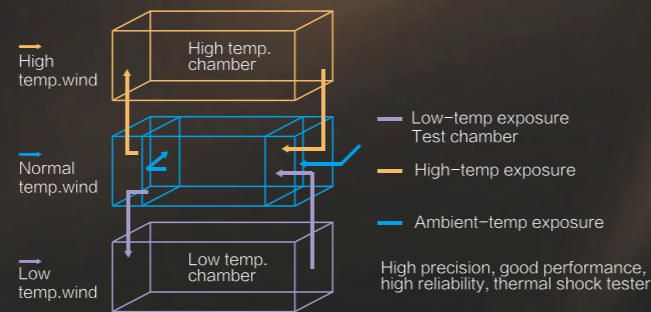
3-Zone Thermal Shock Chamber

Summary

3 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 base or proof for improving a products.

Main Characteristics:

- GB/T 2443.1-2001 Test A: Low temp. Test
- GB/T 2443.2-2001 Test B: Low temp. Test
- GB/T 2443.22-2002 Test N: Low temp. Test
- GJB 150.3-1986 High Temperature
- GJB 150.4-1986 Low Temperature
- GJB 150.5-1986 Thermal Shock Test



SPECIFICATIONS

Model		KST				
		100A/B/D	150A/B/D	200A/B/D	252A/B/D	300A/B/D
Interior Dimension(cm)	W	50	60	67	70	80
	H	45	50	60	60	60
	D	45	50	50	60	65
Exterior Dimension(cm)	W	154	164	172	175	185
	H	184	189	200	200	200
	D	170	183	185	193	198
Test weight (KG)		10	12	15	18	20
Temp.range	High Temp. chamber	+60°C ~ +200°C				
	Pre-heating	+60°C~+200°C Within 20 min				
	Low Temp.chamber	A -55°C~-10°C	B -70°C~-10°C	D -80°C~-10°C		
	Pre-cooling	+20°C~-55°C A Within 60 min	+20°C~-70°C B Within 60 min	+20°C~-70°C D Within 60 min		
	Test.chamber	A -40°C~+150°C	B -55°C~+150°C	D -65°C~+150°C		
	Recovery time	Exposure 30 min				
		Exposure 30 min				
		Within 5 min				
Interior material		Stainless Steel Plate (SUS 304)				
Exterior material		Baked Painting Steel Or Stainless steel(SUS304)				
Insulation material		Rigid polyurethane Foam+glass fibre wool				
Refrigeration system		Water Cooled (HFC-404R and HFC-23) Semi-hermetic compressor, cascade refrigeration system,CFC free referigerant				
Controllor		7 " LCD Toch panel, Chinese or English display selectable Program or fix point rinning 120programs,1200steps, all repeat999cycles, part 99 cycless. Temp.:0.1% of F.S± 1 digit Humidity:0.1% of F.S± 1 digit Temp.:pt-100 Humidity:pt-100 or -5V DCV RS-232 or RS-485 Softawre is option				
Safety Devices		No fuse breaker,over pressure、 over heat and over current protectors for compressor,over temp.protector,over load protectorof fan,dry heat pr techto				
Standard Accessories		(Φ50mm)*1,Shelvesw*2,cable port(portΦ50mm)*1				
Ambient Temp.		-5°C ~ +35°C				
Power		AC 380± 10% 50Hz 3 phase 4 wires+Groud Wires				