Thermal Shock Test Chamber

-----the internal dimension can be customized

Thermal Shock Test Chamber is used to test the capability of material structure or composite materials to withstand the continuous environmental changes between extremely high temperature and low temperature during a short period, and therefore understand the chemical changes or physical damages caused by expansion from heat and contraction from cold in the shortest possible time. It is applicable to metals, plastic, rubber, electronics a mongst other materials. The test result can be used as a reference or basis for product improvement.

Technical Parameters about Thermal Shock Testing Machine:

Model	TS-150-C
Internal Dimension WxHxD (mm)	600x500x500
External Dimension WxHxD (mm)	1600x2000x1700
Temperature Range of Testing zone	Type C:-65°C ~+150°C (200°C is Optional)
	High temperature Range of Testing zone: +60ºC~+150ºC (200ºC is Optional); Low Temperature Range of Testing Zone: -10ºC~-40ºC / -55ºC / -65ºC
Exposure Time of High/ Low Temperature	Exposure Time of High Temperature: +60°C ~ +150°C (200°C is Optional) 30Mins
	Exposure Time of Low Temperature : -10°C~Type A:-40°C / Type B -55°C / Type C -65°C 30Mins
Temperature of Heat-Storing Slot / Heating Time	RT~200°C/About 45mins
Temperature of Cool-storing Slot / Cooling Time	RT~-75°C/ About 100mins
Temperature Recovery Time / Conversion Time	≤5min/≤5sec
Control Accuracy / Distribution Uniformity	±0.5°C/±2°C
Insulation Material	High temperature resistant , high density , formate chlorine , ethyl acetum foam insulation materials
Mechanics	P.I.D+S.S.R+ Micro-computer balanced temperature control system
Cooling System	Semi-hermetic double-stage compressor(water-cooled type) /Hermetic double-stage compressor (air-cooled type)
Security Protection Devices	Non-fuse breaker, high and low pressure protective switch of the compressor , refrigerator high-pressure protective switch , failure warning system, electronic alarm
Accessories	viewing window(special order)
Compressor	French 'Tecumseh' Brand, Germany Bizer Brand
Power	AC380V 3 phase 5 lines ,50/60HZ
Weight (Approx)	750 Kg

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