

Two-zone Thermal Shock Test Chamber

DS-ST-2



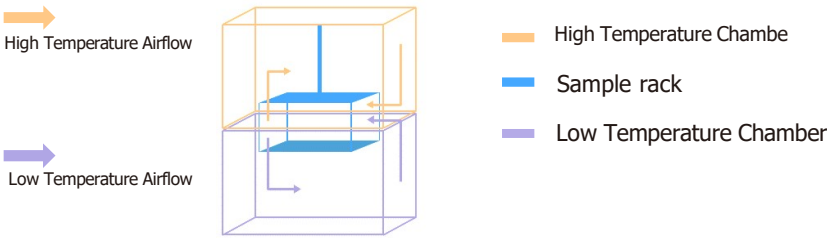
Product Overview

All functions are computer-controlled, using self-developed software with a user-friendly interface, making operation and monitoring simpler and more intuitive; Temporary changes to the values of this program segment can be made while maintaining the current state, and time parameters can be set on the screen, allowing automatic operation according to set values for refrigeration, heating, and basket transfer switching; Independent control of the cold and hot chambers, with independent doors, expanding the range of test use, ensuring full protection of the product's insulation effect.



Product Features

The test chamber door is interlocked with the circulating fan and basket drive, ensuring the operator's safety. Once the door is opened, the power to the circulating fan and basket drive is automatically cut off.



Model	64-N/L/U	100N/L/U	150N/L/U	200N/L/U	300N/L/U	500N/L/U
High temperature	+60°C to +200°C					
Preheating Time	+60°C to +200°C within 30 minutes					
Low Temperature	(Type N) -55°C to -10°C (Type L) -70°C to -10°C (Type U) -80°C to -10°C					
Basket size (mm) (WxHxD)	500x350x370	650x350x450	710x400x530	970x400x550	970x460x680	1000x500x1000
Precooling Time	(Type N) +20°C to -55°C 70 within 70 minutes (Type L) +20°C to -70°C 70 within 70 minutes (Type U) +20°C to -80°C 70 within 70 minutes					
Test Chamber	(Type A) -40°C to -150°C (Type B) -55°C to -150°C (Type D) -65°C to -150°C					
Recovery Time	High Temperature Exposure 30 minutes					
	Low Temperature Exposure 30 minutes					
Floor Area （m2）	1.75	2.08	2.3	2.95	2.73	
Inner Chamber Material	SUS304 stainless steel plate, fully welded inner chamber					
Outer Chamber Material	High-quality cold-rolled steel plate, surface electrostatic powder coating					
Insulation Material	Rigid polyurethane foam insulation layer, flame retardant grade B2					
Refrigeration System	Cascade, semi-hermetic compressor, environmentally friendly refrigerant (HFC-R404A/HFC-23)					
Controller	7-inch color touch screen intelligent controller Operating System: cold impact system cold output version					
Protection Devices	No-fuse switch, compressor overpressure, overheating, overcurrent protection, over temperature protection, fan overload protection, fuse, dry-burn protector, water shortage protection					
Standard Accessories	Sample rack2, lead-in hole (50mm)*1					
Power Supply	AC380 ±10% 50Hz three-phase four-wire + ground wire					