

# Rapid Temp. Change Chamber

## Summary

Rapid temperature change test chamber is used for inspecting the performance of aerospace products, electronic instruments, materials, electrical and electronic products, all kinds of electronic components and quick changes in temperature.



## Main Characteristics:

The 7 " large color control screen comprehensively displays the operating states.  
The precooling and preheating temperature are set automatically based on reset time.  
The operating state of the chamber can be adjusted to its best, which can save up to 50% of energy compared with the old model.  
It is characterized by low error, high wind speed and uniform exposure of samples.  
With the low noise design, the level of noise is controlled under 72db.  
Non-frosting operation and automatic defrosting loop, continuous operation in low temperature.

## Specifications

Model		ESS		
		225SL5/SL10	408SL5/LL10	1000SL5/LL10/LL5/LL10
Working Chamber Volume ( L )		225	408	1000
Performance	Temp. range	-70°C~+100°C (Linear temperature Change during -55°C~+85°C ) -70°C~+100°C (Linear temperature Change during -40°C~+85°C )		
	Temp. fluctuation	± 0.5°C		
	Temp. deviation	± 3.0°C		
	Temperature change rate	5°C / min		
Tempregulating methods		Balanced & Humidity Control System ( BTC )		
Construction	Interior material	Stainless steel(SUS304)		
	Exterior material	Baked Painting Steel Or Stainless steel(SUS304)		
	Insulation material	Rigid polyurethane Foam		
Refrigeration system	Refrigerator	cascade refrigeration system		
	Cooling Mode	Water Cooled		
Heater		Iron-chrome wire heater		
Blower		Centrifugal Blower		
Door window		Glass incorporating heat generator		
Temperature sensor		Pt100 Platinum resistance		
Controller		Touch screen programmable controller		
Safety device		Over protection, over-heat, over-current protection for compressor, over-temperature protection, over-load protection for blower, hydraulic and lack of water protection, leakage protection		
Standard configuration		Observation window, Cable port,( φ 50mm,1 piece for both left and right side), baffle(2 sets), chamber lamp		
Select accessories		RS-232C, recorder, special cable port, special specimen holder, additional baffle		
Power		AC 380V/50Hz 3 phase 4 wires+ Ground wires		