

Rapid Temp. Change Chamber

It is suitable for electrical and electronic products and components to undergo plug resistance tests, adaptability tests under rapid temperature changes or gradual changes, and is particularly suitable for environmental stress screening (ESS) tests of electronic and electrical products.

Product features:

Reasonable structure, variable frequency wind speed regulation, fast cooling speed, imported refrigeration units and key accessories are imported international brands to improve operational reliability;

Touch screen controller, simple operation, easy maintenance, fan overload, compressor delay and other protection functions;

Automatic (manual) defrost can be set for the number of cycles and defrosts. Each product is customized according to customer requirements, ensuring the equipment's high efficiency and energy saving, and debugging and acceptance at the site to ensure the user's performance.



SPECIFICATIONS

Model	ESS non-linear				ESS linear				
	150L-C3	225L-C3	408L-C3	1000L-C3	150L-SC3	225L-SC3	408L-SC3	1000L-SC3	
Interior size (mm)	W	600	700	700	1000	600	700	700	1000
	H	600	700	750	1000	600	700	750	1000
	D	460	480	800	1000	480	480	800	1000
Performance	Temperature range	-40°C~+150°C							
	Temperature fluctuation	±0.5°C							
	Temperature deviation	±0.2°C							
	Heating and cooling rate	From +80 °C to -40 °C Non-linear 3 °C / min (no-load) From -40 °C to +80 °C Non-linear 3 °C / min (no-load)				From +80 °C to -40 °C Linear 3 °C / min (no-load) From -40 °C to +80 °C, Linear 3 °C / min (no-load)			
Temp regulating methods	Balanced&Humidity control system(BTC)								
Material	Interior material	Stainless steel(SUS304)							
	Exterior material	Baked painting steel or stainless steel(SUS304)							
	Insulation material	Rigid polyurethane foam							
Refrigeration system	Refrigerator	Semi-hermetic compressor							
	Cooling method	Water cooling							
Heater	High-quality nickel-chromium alloy heater								
Blower	Centrifugal blower								
Observation window	Glass incorporating heat generator								
Temperature sensor	Pt-100 Platinum resistance								
Controller	Touch screen programmable controller								
Safety device	Over temperature protection, compressor over pressure, short circuit, overload protection fan overload protection, oil pressure protection, water shortage protection, leakage protection								
Standard configuration	Observation window, cable port (φ 50mm, 1 on the left), baffle, baffle rack (2 sets), chamber lamp.								
Select accessories	RS-232C,recorder,special cable port, special specimen holder,additional baffle								
Power	AC 380V(±10%) 50HZ 3 phase 4wires+ground wires								