

Stainless Steel Temperature Humidity Test Chamber/ High Low Temperature Control Cabinet (HY-2800)



Stainless Steel Temperature Humidity Test Chamber or a High Low Temperature Control Cabinet can also simulate various environmental conditions to test the performance of materials, including resistance to heat, dryness, humidity, and coldness. These chambers are often used in industries such as electronics, automotive, aerospace, and pharmaceuticals to evaluate the behavior and durability of materials under different environmental conditions. The stainless steel construction of the chamber ensures durability and resistance to corrosion, making it suitable for long-term use. By subjecting materials to these controlled conditions, it is possible to evaluate their performance and identify any potential weaknesses or issues that may arise in real-world applications.

Standards:

GB/T2423/5170/10586, JIS C60068, ASTM D4714, CNS3625/12565/12566

Characteristics:

1. Use the high precision microcomputer touch temperature and humidity controller with high stability of platinum resistance to temperature and wind speed in the circulatory system of temperature and humidity test.
2. Control temperature & humidity well-distributed, precisely and steady.
3. Completely independent system separate for testing in high temperature, low temperature and constant temperature & humidity environment.



Specification

Model	HY-280	HY-2150	HY-2225	HY-2408	HY-2800
Inner Size W×H×D(cm)	40×50×40	50×60×50	60×85×80	60×85×80	100×100×80
Outside Size W×H×D(cm)	93×155×95	100×148×106	117×166×91	140×176×101	170×186×111
Volume (V)	80 L	150L	225L	408L	800L
Temp and Hum Range	A: -20°C~150°C B: -40°C~150°C C: -60°C~150°C D: -70°C~150°C RH20%-98%				
Function	Fluctuation	±0.5°C ±2.5%RH			
	Deviation	±0.5°C-±2°C ±3%RH(>75%RH); ±5%RH(≤75%RH)			
	Controller				
	Analytical Accuracy	±0.3°C ±2.5%RH			
Material	Inner Wall	#SUS 304 Stainless steel			
	Outer Skin	#SUS 304 Stainless steel			
	Heat Preservation	High temperature resistant, high chlorine acid b vinegar foam insulation materials			
Wind Cycling Way	Centrifugal fan-broadband type forced air circulation				
Refrigeration Way	Single stage compression refrigeration				
Refrigerater	French Tecumseh				
Refrigerants	R4O4A USA Dupont environmental protection refrigerant(R23+R404)				
Condensing Way	Air-cooled or water-cooled				
Heater	Nickel chrome heating wire heater				
Humidifier	Semi-closed steam and wet				
Water Suplying Way	Automatic cycling water supply				
Standard Accessories	1 Observe window(double-deck cavity toughened glass), 1 50mm test hole in the left, 1 PL inner chamber lamp, 2 clapboards, 1 bag of wet and dry bulb, 3 fuses, 1 power line.				
Safety device	Non- fuse-switch(compressor overload,				

refrigerant high low voltage,
over-humidity and temperature protection,
Protection switch, fuse stoppage warning system

PRODUCT FEATURES

