

Seltis



Stability Test Chamber

CE ISO9001
CERTIFIED

Comprehensive Pharmaceutical Stability Test Chamber

(Touch Screen)

I. Application Overview:

The purpose of stability testing is to investigate the variation law of active pharmaceutical ingredients (APIs) or pharmaceutical preparations over time under the influence of temperature, humidity, and light. It provides a scientific basis for the production, packaging, storage, and transportation conditions of pharmaceuticals, and establishes the shelf life of pharmaceuticals through testing. Applicable to accelerated testing, long-term testing, and high-humidity testing of pharmaceuticals and new drugs in pharmaceutical enterprises, it is the optimal choice for pharmaceutical companies to conduct pharmaceutical stability testing.

II. Product Features:

- 1.The cabinet is manufactured via high-pressure polyurethane molding, featuring excellent thermal insulation performance, sturdiness and reliability.
- 2.Externally, the cabinet is made of high-quality cold-rolled steel plate with powder coating; internally, it adopts a brushed stainless steel inner tank, and the spacing of the shelves inside the cabinet is adjustable.
- 3.Equipped with a branded compressor and environmentally friendly fluorine-free refrigerant (R134a), it offers high efficiency, low energy consumption, energy saving and environmental protection.
- 4.Microcomputer PID control ensures precise, reliable temperature control with minimal fluctuation and a built-in timing function.
- 5.SMOOTH integrated air duct uniformity system enables more accurate temperature control.
- 6.Independent temperature limit alarm system with dual temperature limit protection ($\pm 4^{\circ}\text{C}$ and upper limit of 70°C); the system automatically shuts down when the temperature exceeds the limit.
- 7.Comes standard with an embedded dot matrix printer and USB data storage, enabling real-time printing of temperature and humidity data as well as collection of cabinet operating data. All

records are retrievable, meeting the data management requirements of pharmaceutical factories.

8. Programmable 7-inch color touch screen controller; standard configuration includes: GMP three-level authority management system and audit trail system.

9. There is a 30mm-diameter test hole on the left side of the cabinet, facilitating experimental operations and temperature measurement.

10. Equipped with a self-diagnostic function; full-process fault monitoring is automatically performed, with intuitive fault code indication.

11. Adopts a balanced control mode; the humidifier uses a steam humidification method, achieving higher humidity control accuracy.

III. Technical Parameters:

Model		ST-H213-100	ST-H213-150	ST-H213-250	ST-H213-325
Capacity(L)		100L	150L	250L	325L
Temperature (°C)	Control Range	Without Illumination: 5~65°C / With Illumination: 15~65°C			
	Resolution	0.1			
	Fluctuation	±0.5°C			
	Deviation	±1°C			
Humidity (%RH)	Control Range	35%RH~95%RH			
	Resolution	0.1			
	Fluctuation	±2%RH			
	Deviation	±5%RH			
Light Source	Illuminance (lux)	0~10000Lux			
	Illuminance Deviation	±500Lux			
	UV Irradiance	80~200μw/cm ²			
	UV Spectrum Range	320~400nm			
Refrigerant		R134a			
Power(W)		587W	687W	688W	689W
Power Supply Voltage		Power Supply: AC220V±10%, 50Hz±1Hz			
Inner Cabinet Dimensions (cm)		45×43×53	45×43×78	50×48×103	54×55×110
Outer Cabinet Dimensions (cm)		52×52×110	52×52×135	57×57×160	61×64×168
Loading Shelves (Standard Configuration)		3	3	4	4

Model		ST-H213-400	ST-H213-500	ST-H213-800	ST-H213-1000
Capacity (L)		400L	500L	800L	1000L
Temperature (℃)	Control Range	Without Illumination: 5～65℃/ With Illumination: 15～65℃			
	Resolution	0.1			
	Fluctuation	±0.5℃	±1℃		
	Deviation	±1℃	±2℃		
Humidity (%RH)	Control Range	35%RH～95%RH			
	Resolution	0.1			
	Fluctuation	±2%RH			
	Deviation	±5%RH			
Light Source	Illuminance (lux)	0～10000 Lux			
	Illuminance Deviation	±500 Lux			
	UV Irradiance	80~200μw/cm ²			
	UV Spectrum Range	320~400nm			
Refrigerant		R134a			
Power (W)		689W	1246W	1698W	1698W
Power Supply Voltage		Power Supply: AC 220V ±10%, 50Hz ±1Hz			
Inner Cabinet Dimensions (cm)		60×60×114	108×49× 100	120×55×108	120×67×114
Outer Cabinet Dimensions (cm)		67×69×172	115×65× 162	127×71×170	127×83×176
Loading Shelves (Standard Configuration)		4	6	10	10



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