



XI'AN LIB ENVIRONMENTAL SIMULATION INDUSTRY

Climatic Test Chamber Manufacturer and Supplier

Cyclic Salt Spray Corrosion Test Chamber

SC-010





XI'AN LIB ENVIRONMENTAL SIMULATION INDUSTRY

Climatic Test Chamber Manufacturer and Supplier

Standard Features

- ◆ Material is Glass fiber reinforced plastics
- ◆ Temperature measure and control
- ◆ Humidity measure and control
- ◆ Saturated barrel temperature measure and control
- ◆ Programmable color LCD touch screen controller
- ◆ Temperature sensor PT-100 MV A-class
- ◆ Humidity dry and wet bulb sensor
- ◆ Pneumatically operate cover
- ◆ Build- out salt solution reservoir
- ◆ 2 fog collectors in cabinet
- ◆ Bottom install 4 castors for ease moving, and with brakes function
- ◆ Standard sample holders
- ◆ Exhaust pipe & drain pipe
- ◆ Safety protection system

Main Technical Parameter

Model	SC-010	SC-016	SC-020
Internal dimensions (mm)	800*1450*680	1000*1600*800	1000*2000*900
Overall dimensions (mm)	1400*2500*1720	1600*2650*1840	1600*3050*1940
Temperature range	10℃ ~90℃		
Humidity range	30% ~ 98% RH		
Temperature tolerance	+/- 2.0 ℃		
Humidity tolerance	+2%, -3%		
Salt concentration tolerance	±1%		
Spray deposition	1~2ml / 80cm2 · h		
Controller	Programmable color LCD touch screen controller		
Temperature sensor	PT100Ω / MV A-class		
Humidity sensor	Dry and wet bulb sensor		
Heater	Nichrome heater		
Cooling system	Mechanical compression refrigeration system		
Refrigerating unit	French TECUMSEH compressor		
Humidifier	External isolation, stainless steel surface evaporation humidifier		
Air circulation	Centrifugal wind fan		
Salt fog collected	Fog collector and fog measure cylinder		
salt water filtration	Salt water filter near the suction tubes(Avoid the nozzle blockage)		
Salt water preheating	Saturated air barrel		
Spraying system	Atomizer tower and Spray nozzles (Fog is more fine and uniform distribution)		
Interior /Exterior material	Glass fiber reinforced plastics		
Standard configuration	sample holder / Fog collectors / measure cylinder		
safety device	Humidifier dry-combustion protection; over-temperature protection; over-current protection; Refrigerant high-pressure protection; Water shortage protection, Earth leakage protection;		
Power Supply	AC 380V 50HZ		
Test standard	IEC60068-2-52, IEC61701-2, ASTM G85, ISO 7253		



XI'AN LIB ENVIRONMENTAL SIMULATION INDUSTRY

Climatic Test Chamber Manufacturer and Supplier

Design and Construction

Fog Chamber

Fog chamber is made from glass fiber reinforced plastics,
Material is corrosion resistance, anti-aging, high strength.
Pneumatically operate open the cover.
Test specimen bracket / holder
Test chamber internal illumination
2 Spray towers located both side of chamber to put large
samples in.

Atomizer Tower and Spraying

Corrosion-resistant atomizer tower
Quartz spray nozzles.
2 fog collectors in cabinet
Spray deposition: $1 \sim 2 \text{ ml} / 80 \text{ cm}^2 \cdot \text{h}$
Spray type: Continuous / Periodic
Fog is more fine and uniform distribution
Perform a variety of salt corrosion test.

Cooling System

Mechanical compression refrigeration system
Refrigerating unit is French TECUMSEH compressor.
Two cascade compressor
Environment friendly refrigerant R404a for first stage,
R23 for the second stage

Humidity System

External isolation, stainless steel surface evaporation
humidifier.
Automatic water supply

Control Panel

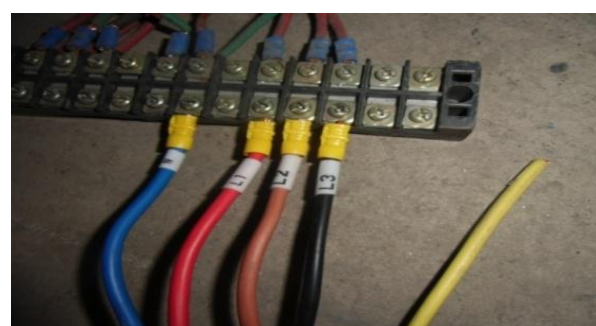
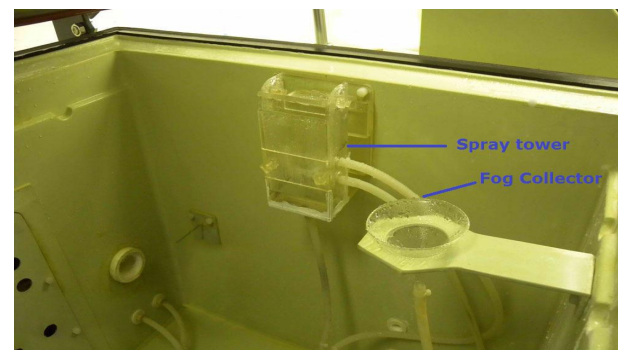
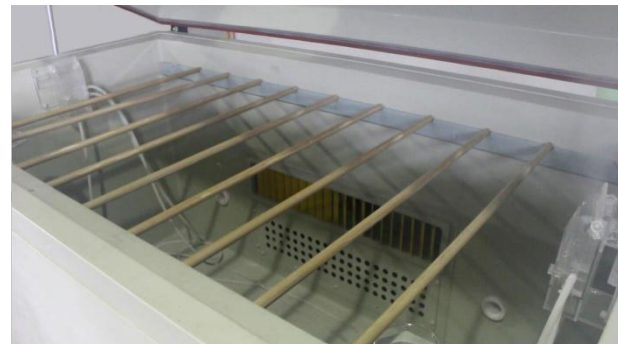
Temperature measure and control
Humidity measure and control
Saturated barrel temperature measure and control
Open/close cover on controller
Programmable color touch display controller

Safety Protection

Over temperature protection,
Water shortage protection
Over-current protection
Earth leakage protection

Power Supply and Wiring

380V+/- 10%, 50 Hz





Air compressor	
Water spray nozzle	
Cable hole	
Industrial salt	
Power cable	<p>5m</p> <p>10m</p> <p>If this option is not specified, the chamber will equipped a cable wire with 2 m.</p>

Can be used for Sea, Air, Railway, Truck transportation.



Operation manual and video available for all test chambers.

Technical drawings of a machine. The left drawing is a side view showing a vertical rectangular body with two small circles (eyes) on the front face. Dimensions include a height of ≥ 800 and a total height of ≥ 1000 . The right drawing is a front view showing a rectangular body with a control panel on the right side. Dimensions include a width of ≥ 600 and a height of ≥ 800 .

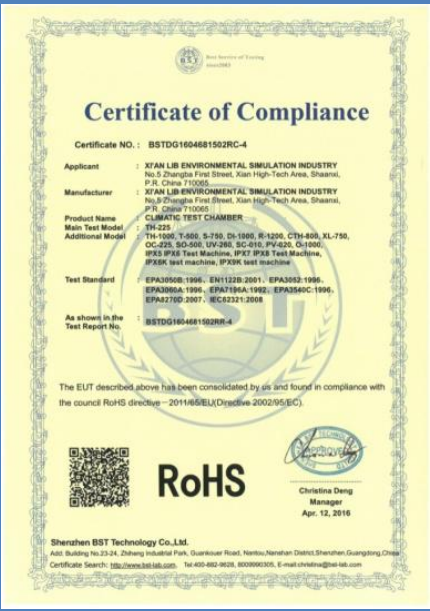
Engineers available to service machinery overseas to install and commissioning.

Xi'an LIB environmental simulation industry is a manufacture and exporter of climatic test chambers in China, and have over 8 years overseas market in test chambers to more than 25 countries.

We provide various climatic chambers and service to accredited laboratories, manufacturing industry, institute, university, companies and other partners. And got testimonials from many of our esteemed companies.

To provide better service for customers, we have assembled a team of experienced and motivated people to provide service as

- An extensive range of standard and custom climatic test chambers
- Services, Maintenance & Calibration for all kinds of environmental chambers



Xian LIB Environmental Simulation Industry

www.lib-industry.com/

Add: No.5 Zhangba First St, Xian High-Tech Area, Shaanxi ProvinceP.R.China 710065

Tel: +86 29 68918976

Skype: wendy_lib

Email: wendy@lib-industry.com ; sales@lib-industry.com