



XI'AN LIB ENVIRONMENTAL SIMULATION INDUSTRY

Climatic Test Chamber Manufacturer and Supplier

2-Zone Thermal Shock Test Chamber (Elevator Type)





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Specifications

2-Zone Thermal Shock Test Chamber (Elevator Type)

Model		TS-162	TS-340	TS-500	TS-1000
Inner dimensions of test room (mm)		300*300*250	450*450*360	650*650*500	850*850*700
Volume of test room (mm)		22L	72L	211L	505L
Load of test room		20kg	30kg	50kg	60kg
Overall dimensions(mm)		1560*870*1545	1710*1020*1845	1910*1220*2265	2110*1420*2665
Pre-heat room	Upper limit preheat temperature	+220°C			
	Heating time	Ambient temperature to ~ + 200°C, within in 30 minutes.			
Pre-cool room	Lower limit pre-cool temperature	-75°C			
	Cooling time	Ambient temperature to ~ -70°C, within in 30 minutes			
Test room	High temperature exposure range	Ambient temperature +20 to +200°C			
	Low temperature exposure range	-65 to -5°C			
Recovery time		Within 15 minutes			
Temperature fluctuation		≤±0.5°C			
Temperature deviation		≤±3 °C			
Controller		Programmable color LCD touch screen controller			
Cooling system		Mechanical compression refrigeration system			
Refrigerating unit		French TECUMSEH compressor			
Refrigerant		R404A, R23			
Air circulation		Centrifugal wind fan			
Safety device		Over-temperature protection; over-current protection; Refrigerant high-pressure protection; Earth leakage protection;			
Exterior material		Steel Plate with protective coating			
Interior material		SUS304 stainless steel			
Thermal insulation		Polyurethane foam			
Observation window		Interior lighting , double-layer thermo stability silicone rubber sealing			
Standard configuration		1 Cable hole (Φ 50,) with plug; 2 shelves			
Power Supply		380V 50HZ			
Environmental conditional		5°C~+40 °C ≤85% RH			



Design and Construction

● Test Area

Test area is made of stainless-steel.

Elevator type

Basket displacement time less than 15 seconds

Temperature resetting time less than 15 minutes

2 pieces of adjustable and removable shelves

Test hole, sealed with silicone screw plug

● 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

● Control Panel

PLC controller

Programmable color display touch screen controller.

Programs reach to 999 groups and 999 sections

RS-232 /RS-485 interface, PC Link, LAN network

● Large Viewing Window

Interior lighting

Window coated with conducting film to protect it from frost.

● Safety Protection

Over temperature protection,

Refrigerant high pressure protection

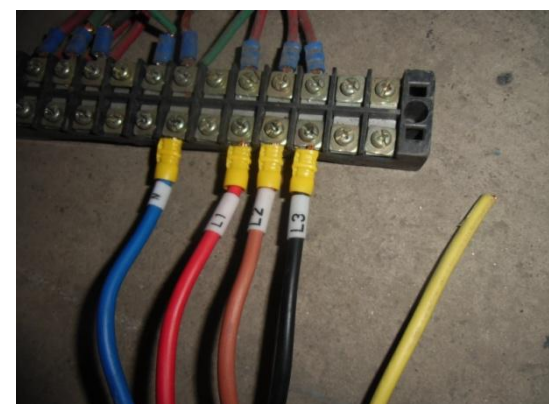
Over current protection

Earth leakage protection

● Power Supply and Wiring

380V, 50 Hz 10% +/-

three-phase-five-wire system





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Package with Export Standard Wooden Box

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



Installation

Operation manual and video available for installation & operation

Warranty & Service

3 Years Warranty, Lifelong Follow-up Services.

Environment conditions

Temperature: 5 °C --35 °C , Relative humidity: ≤85%,
pressure: 86kPa—106 Kpa

Space conditions

Chamber shall be installed on flat floor, with good ventilation
No combustible material, explosive material or strong vibration around.
No direct sunlight or other heat sources direct radiation.
No strong airflow around.
No strong electric field around.

After-Sales Service

3 Years Warranty, Lifelong Follow-up Services.

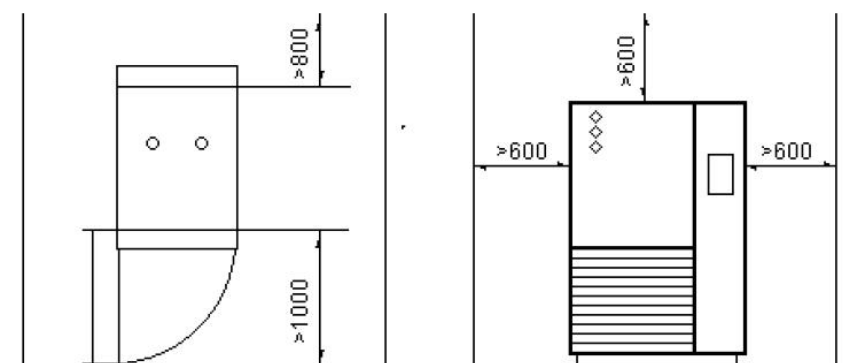
Training how to install and operate the machine.

Training how to maintain the machine.

Response within 24 hours once got questions from customers.

Send spare parts within 2 days after got notice.

Engineers available to service machines overseas to install and commissioning.

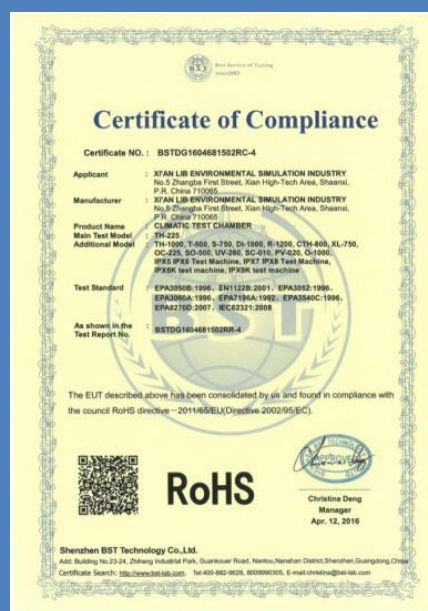


Xi'an LIB environmental simulation industry is a manufacture and exporter of climatic test chambers in China, and have over 8 years overseas market in test chambers to more than 25 countries.

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
- Provide test solutions



Xi'an LIB Environmental Simulation Industry

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