

□ Salt Spray Corrosion Test Chamber



S-010

Temperature
Ambient ~ +60°C

Salt Fog Deposition
1 ~ 2ml / 80cm² · h



Automobile



Electronics



Battery



Paintings



Aerospace



Navigation

【Technical Parameter】

Model	S-010	S-016	S-020
Internal dimensions (mm)	1000*1300*600	900*1600*720	1000*2000*800
Overall dimensions (mm)	1200*2200*1400	1300*2500*1600	1420*3000*1850
Interior Volume (L)	800	1000	1600
Parameter	Temperature Range	Ambient ~ +60 °C	
	Temperature Fluctuation	± 0.5 °C	
	Temperature Deviation	± 2.0 °C	
	Humidity Range	95% ~ 98% RH	
	Salt Fog Deposition	1~2ml / 80cm ² · h	
	Spray Type	Continuous / Periodic	
Structure	Heating Element	Nichrome heater	
	Salt Fog Collected	Fog collector and fog measure cylinder	
	Air Preheating	Saturated air barrel (31Liter)	
	Spraying System	Atomizer tower and Spray nozzles	
	Sealing	Pneumatic seal	
	Controller	PID controller	
	Temperature Sensor	PT100Ω / MV A-class	
	External Water Solution Tank(mm)	340*230*230 (18L)	
	View window Size (mm)	800*300	
	Safety Device	Humidifier Dry-combustion Protection; Over-temperature Protection; Over-current Protection; Water Shortage Protection; Earth leakage Protection	
Material	Glass fiber reinforced plastics		
Standard Configuration	8 round bars		
Power Supply	380V 50Hz		
Maximum Noise	65 dBA		
Standard	ASTMB117, ISO9227		
Environmental Conditional	5°C ~ +35 °C ≤85% RH		

□ Standard & customized

* pay attention to the environmental condition during installing





1. Workroom

The material is glass fiber reinforced plastics which has strong corrosion resistance, one-time forming, Reinforced design, long service life and high temperature resistance. Pneumatic switch lid.

The sample holder contains 8 round bars for different tests. Pneumatic seal



3. Salt Water Tank

An external 18-liter salt solution tank is equipped with a brine mixing system to keep the solution even.



5. Controller

PID programmable touch screen controller, network connection computer.

Can edit 120 programs 999 segment.

The set system language is English for standard.



2. Salt Spray Device

The spray tower is adjustable in height and spray volume to meet different test standards.

Quartz nozzles are easy to clean and resistant to high temperatures, corrosion, and clogging.

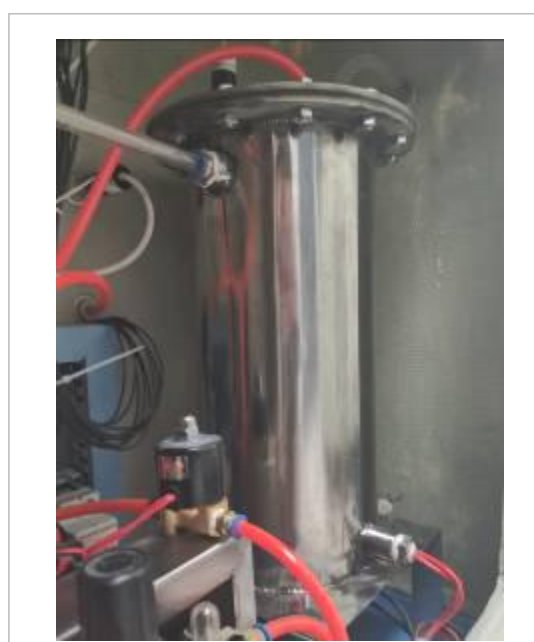
Spray pressure is 83KPA according to the standard.



4. Saturated Barrel

The air is preheated in the saturated barrel, and the heating tube is perpendicular to the saturated barrel.

The saturated barrel has protection against dry burning. If the water level is low, the spray will stop, and the air source will not be supplied to avoid damage to the equipment.



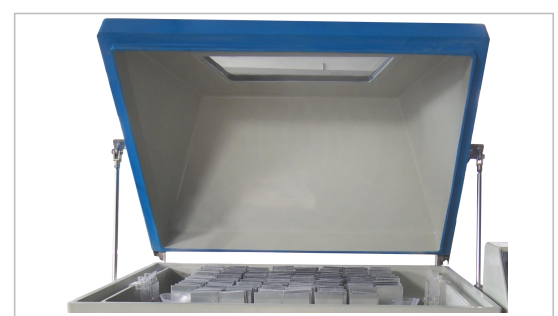
6. Castor

Install 4 castors for easily moving, and with brakes function. Castor height is adjustable.



7. Pneumatic Open/Close Lid

The equipment is equipped with air source diverting device to distribute the compressed air to the opening system to realize the electrification opening/closing control of the lid

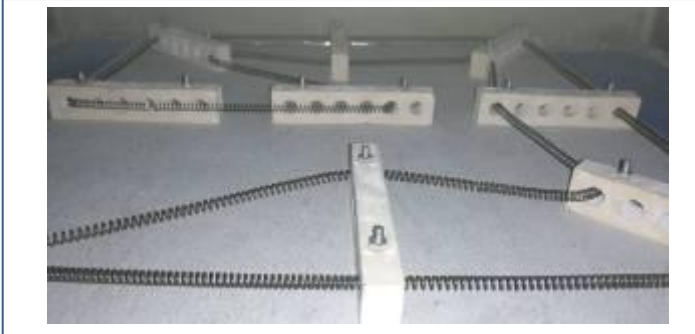


Core Function



Spraying System

It is tower salt spray system. The air generated by the air compressor is purified, preheated, and depressurized, and then enters the nozzle. The solution replenishment system supplies the solution to the nozzle suction pipe. When spraying, the compressed air rushes out of the nozzle, creating a negative pressure above the suction pipe. Under the action of negative pressure, the salt water flows toward the glass nozzle to the tip cone and spreads to the entire working space to form a diffuse state, simulating the salt spray environment.



Heating System

The bottom of the chamber is equipped with heating wire. When the resistance wire is heated, the air temperature of the chamber rises.



Air Compressor Control

The equipment needs a air compressor hole (diameter 13MM), air pressure balance system and water vapor separation system ensure that the pressure during spraying is uniform and constant.



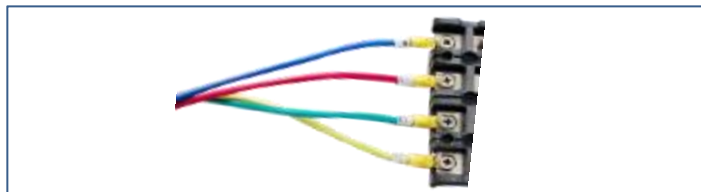
Temperature Sensor

PT-100 Class A sensor, real-time accurate detection and display of temperature changes at 0.001 degrees.



Exhaust System

After the test, the fog of the studio can be quickly removed, and the observation window can be quickly moved to view the change of the measuring pieces.



Wiring System

Voltage 380V 50Hz 3 phase.
L1, L2, L3, PE, N, grounding protection.
Standard 2m long cable

Over Temperature Protection
Water Shortage Protection

Over Current Protection
Earth Leakage Protection

Humidifier Dry Combustion Protection

Protection System

Air Compressor

Salt for Salt Spray Testing

Ultrasonic Spray System

Salt Solution Tank Temperature Control

Workroom Cleaning System

Special Sample Holder

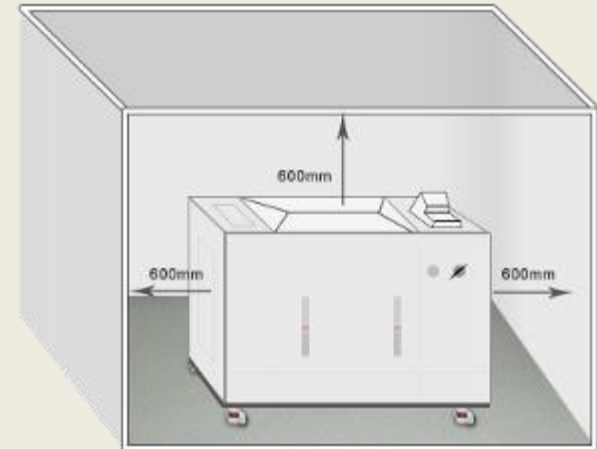
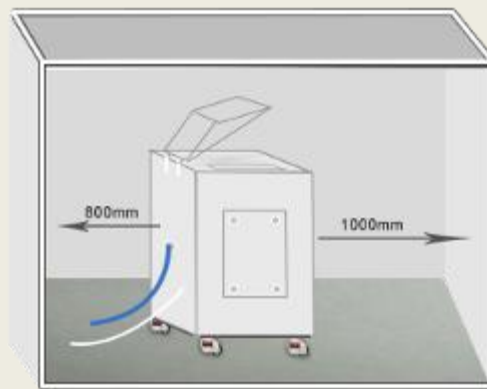
Install Condition

Environment Conditions

Temperature: +5°C ~ +35°C
 Relative Humidity: ≤85%;
 Pressure: 86 KPa—106 KPa

Space Conditions

Sufficient space for ventilation



***Safety Instruction:** 1. Prohibited to test explosive, inflammable and high corrosive substance
 2. Chemical exposure to the equipment is prohibited
 3. Equipment must be safety on the ground to avoid electrostatic induction

Packaging



First, seal chamber with waterproof plastic film. Protect chamber from seawater corrosion.
 Second, buffer foam is placed in the four corners of the chamber. It is used for fixing equipment to prevent shaking and damaging chamber during transportation.



Plywood: standard wood export packaging. The wooden box is fixed by sheet metal to prevent damage during transportation.

Gross weight: 520kgs~
 Package size: 2070*1430*1730 mm

Warranty Condition

Our company will repair the product, if the product, the material of the parts, the design and manufacturing of the products raised hardware problems caused by product itself rather than human error within three years warranty period since the date of dispatching by the customer.

Our company repairs the products, but will collect the basic costs of the spare parts after the warranty period, but service is free always.

Shipping



Material: Export standard wooden box

*Can be used for Sea, Air, Railway, Truck and multimodal transport.

Warranty & Service

- 3 Years Warranty, Lifelong Follow-up

Professional After-sales Team
 If you have any questions during operation, we will supply solution to you with 24 hours.

How to Service

1. At first, our test chambers are produced based on 20 years product lifetime.

Normally once test chambers have problems, we judge the problems, and send spare parts to our customers, and teach them how to change new parts on by email or video, all spare parts and shipping cost (by DHL, TNT, and FedEx) paid by LIB.

2. If the customer needs our engineer on-site service, they only need pay the ticket accommodation to our Engineers, service is for free.

3. If products still can't use after our engineers repair, we will produce a new test chamber (same as the old one) to our customers with no charge.

PROVIDING TEST SOLUTION, PROVIDING TEST EQUIPMENT

Xi'an LIB Environmental Simulation Industry is a lead provider of environmental test chamber in China, with its own brand (LIB) design, production, sales and service since 2009. We continually update technology and develop new products for customer's needs.

Our main products included temperature and climate test chambers, corrosion chambers, weathering testers, IP dust and rain chambers, ozone test chamber, noxious gas SO2 H2S chamber, walk-in chambers. We provide test chamber, we provide test solution. Standard and customized products to meet different customer needs.

By 2018, global market has spread to 53 countries to USA, Canada, Mexico, Brazil, Peru, Russia, German, UK, France, Finland, Netherlands, Poland, Switzerland, Thailand, Philippines, Singapore, Malaysia, Australian, South Africa etc. and the market continues to expand.

At present 7 Tier-one agents around the world provide LIB products, installation and maintenance service for customers. Make things simple and convenient.

Contact Us

Website: www.lib-industry.com
 Add: No.5 Zhangba First St, Xian High-Tech Area, Shaanxi Province P.R.China 710065
 Tel: +86 29 68918976
 WhatsApp: +86 18700875368
 Skype: serena_lib
 Email: serena@lib-industry.com

Sales Team: sales@lib-industry.com
 After Sales Team: asd@lib-industry.com
 Shipping Team: vip@lib-industry.com
 Finance Team: account@lib-industry.com

LIB Industry®

LIB became a registered trademark of our company since 2017 year.

PARTNER



CE ROHS

