

□ **IPX1 IPX2 IPX3 IPX4 Water Spray Test Chamber**



**R-800C**

**IP Rate**

IPX1 IPX2 IPX3 IPX4

**Swing Angle of Oscillating Tube**

0° ~ ±180°(Adjustable)

**Water Re-circulation System**



Automobile industry



Electronics



Military

## 【Technical Parameter】

Model		R-800C	R-1200C
Internal Dimensions (mm)		900*900*900	1400*1400*1400
Overall Dimensions (mm)		1120*1460*1660	1600*1950*2100
Interior Volume (L)		720	2740
Parameter	Drip tray size (mm)	600*600	900*900
	Spraying Hole Diameter	φ0.4mm	
	Hole Spacing	50 mm	
	Swing Angle of Oscillating Tube	0 ~ ±180° (Adjustable)	
	Turntable Rotation Speed	1r/min (Adjustable)	
	Oscillating Tube Radius	400mm	600mm
	Structure	Water Pressure Control	Flow meter
Controller		Programmable color LCD touch screen controller	
		Ethernet connection, PC Link, USB	
Build-in Water Tank(mm)		370*375*950	
View Window Size(mm)		475*475	
Water supply system		Water tank, booster pump, Automatic water supply, Water purification system	
Safety Device	Over-temperature Protection; Over-current Protection; Water Shortage Protection; Earth leakage Protection; Phase Sequence Protection		
Material	Exterior Material	Steel Plate with protective coating	
	Interior Material	SUS304 stainless steel	
	Observation Window	Double layer insulating glass with wiper	
Power Supply		380V 50Hz	
Maximum Noise		65 dBA	
Environmental Conditional		5℃~+35℃ ≤85% RH	
Standard		IEC 60529, ISO20653	

□ **Standard & customized**

\* pay attention to the environmental condition during installing

□ Automatic water supply ensures adequate supply of water and automatic testing.

□ Equipped with a disk that can be tilted by 15 ° for IPX2 test.





## Appearance

### Safety protect system

- Over Temperature Protection
- Water Shortage Protection
- Over Current Protection
- Earth Leakage Protection
- Phase Sequence Protection

### 1. Workroom

The internal material is 304 stainless steel, mirror surface, rust-proof, high temperature and corrosion resistance; Nice ruggedness and long life.  
The workroom is equipped with a single-phase 16A internal power interface to power up the test specimen. The power-on time and cycle can be controlled by the controller.



### 4. Turntable

The turntable is made of 304 stainless steel, the speed and angle can be adjusted  
Sample should be firmly fixed on the turntable.



### 7. Controller

PID programmable color touch screen controller, network connection computer.  
Can edit 100 programs 20 segment..  
LIB also can preset program into the controller based on user testing requirements.  
The set system language is English for standard.



### 2. Oscillating Tube

Oscillating tube is made of stainless steel, spray nozzle is detachable special nozzle.  
Oscillating tube range can be reached to  $\pm 45^\circ$ ,  $\pm 60^\circ$ ,  $\pm 90^\circ$ ,  $\pm 180^\circ$



### 5. Viewing Window

Double-layer tempered glass, specially designed seal, with good impact resistance and prevention of water leakage.  
Equipped with manual water wiper for easy observation samples



### 8. Castor

Install 4 castors for easy to move, and with brakes function.  
Caster height is adjustable.



### 3. Drip Tray

The drip tray is made of stainless steel, and the drip holes are evenly distributed.



### 6. Build-in lighting

The built-in waterproof LED lighting inside the workroom makes it clear to observe the test specimen. The light can be turned on and off at the control panel button.



### 9. Automatic Water Inlet

Automatic control of the water intake of equipment, the customer can be directly connected to the laboratory faucet, so as to achieve automated testing;  
Automatic inlet diameter 1/2 inch (13.5MM);  
High and low water level alarm, water shortage lights and sound.  
Standard 2 meter drain pipe.



### 10. External Materials

A3 steel plate with galvanized coating;  
Electrostatic treatment; High and low temperature corrosion resistance; High hardness, anti - impact  
Very high safety factor;  
Color can be customized.

### Reverse Osmosis Unit

### Demineralized Water Device

### Controller

- WiFi connection
- Mobile APP control
- Multi-language controller interface: Russian, French, Polish, Romanian, German

### Door Lock

- Electromagnetic Lock

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: 500kgs~  
 Package size: 1600\*1350\*2150 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.

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