



SALT SPRAY CHAMBER

Corrosion & Salt Fog Test

Xi'an LIB Environmental Simulation Industry

www.lib-industry.com

Company

Xi An LIB Environmental Simulation Industry manufactures and sells environmental test chambers since 2009, including design, manufacturing, as well as sales and service around the world. All LIB products have passed CE and ROHS certification, as well as other national certifications.

We deeply realized that quality is the first and most. We control quality from every aspect of raw material, production and inspection. After test chamber completed, we test its performance, inspect its functionality, go commissioning, work on calibration, and issue report for every steps, to guarantee the quality. We also pay more attention to delivery and shipment. We guarantee delivery on time, and have the obligation to advance delivery.

LIB Industry concentrates on providing the Turn-key solution for environmental testing, that research, design, producing, commissioning, delivery, install and training, provide the whole products and service according to customer's requirements..

Regarding sales, LIB direct sales and setting up local agents around the world allow customers to purchase LIB test chambers more conveniently. By 2020, our market has spread to 56 countries around the world, and the market continues to expand.

Regarding service, LIB Industry provides 3 years warranty service. In order to ensure that the customer has a timely and effective solution to the after-sales, LIB's after-sales service center and local service center work together to serve customers around the world.

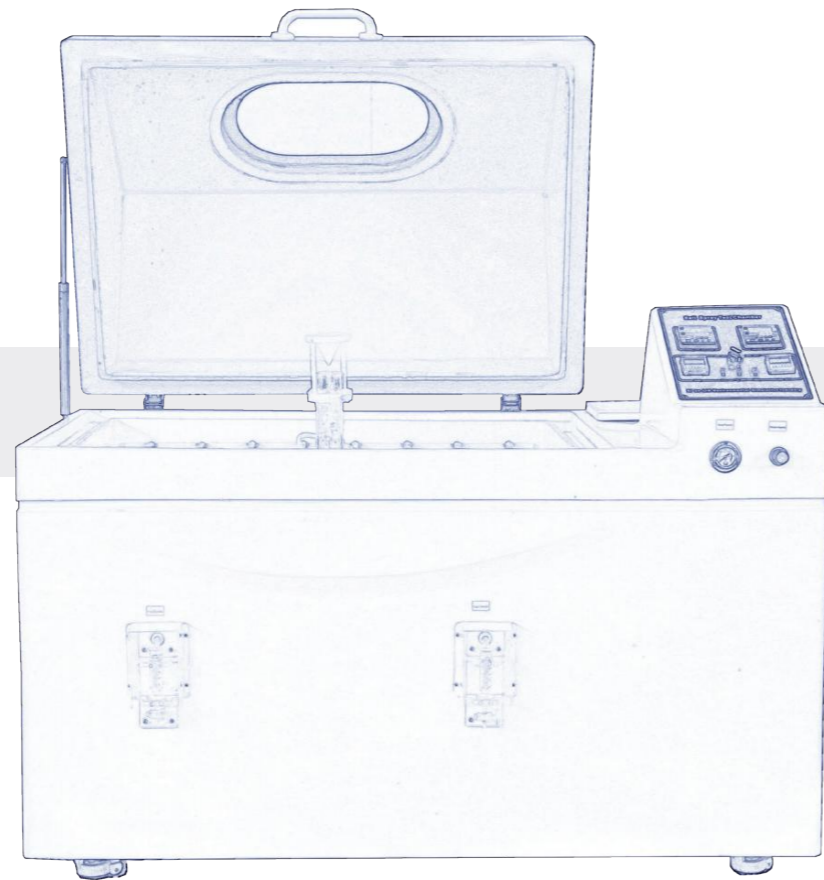
We have elite team to service our customers. We provide professional solutions, right equipment, and timely reply to our worldwide customers. When we get questions and requests, we reply within 1-3 hours to our clients.



Basic Salt Spray Test Chamber

LIB basic salt spray chambers meet the requirements of basic and continuous salt spray tests, such as ASTM B117, ISO 9227 and similar international test standards, and can perform NSS, ASS and CASS test.

Provide a large selection of salt spray chambers to accommodate various types of product testing. Capacity available in 110L, 320L, 410L, 1000L, 1600L and more. More than 16 different models allow you to choose the size and performance best suited for your test application.



Corrosion-resistant and long-life materials

Material is glass fiber reinforced plastics which has strong corrosion resistance, one-time forming, reinforced design, long service life and high temperature resistance.

Salt solution mixing system

A salt water stirring system is installed in the salt solution tank, keep stirring the solution to maintain uniformity.

Environmentally friendly heat insulation treatment

The insulation layer at the bottom of the test chamber is made of clay board, which can efficiently heat insulation and is environmentally friendly.

Specification

Model	S-150	S-250	S-750	S-010	S-016	S-020
Internal Dimension (mm)	460*600*400	640*1000*500	750*1100*500	1000*1300*600	1000*1600*800	1000*2000*800
Overall Dimension (mm)	630*1110*1000	810*1570*1270	950*1700*1300	1300*1860*1600	1300*2160*1720	1300*2700*1900
Interior Volume (L)	110	320	410	780	1280	1600
Temperature Range	Ambient ~ +60 °C					
Temperature Fluctuation	± 0.5 °C					
Temperature Deviation	± 2.0 °C					
Salt Fog Deposition	1~2ml / 80cm ² · h					
Spray Type	Continuous / Periodic					
Salt Fog Collected	Fog collector and fog measure cylinder					
Air Preheating	Saturated air barrel					
Spraying System	Atomizer tower and Spray nozzles					
Controller	PID controller					
Safety Device	Over-temperature Protection; Over-current Protection; Water Shortage Protection; Earth leakage Protection					
Material	Glass fiber reinforced plastics					
Standard Configuration	Round bars and V-shaped grooves					

Cyclic Salt Spray Corrosion Chamber



Cyclic salt spray corrosion chamber exposes sample to a series of different environments in repetitive cycles that incorporate temperature, humidity and salt spray. Accelerated corrosion test methods included ASTM B117, ASTM G85, ISO9227, IEC60068-2-52, ISO7253 and many others.

CCT chambers are upgraded to programmable controller and Ethernet access. All models are automated, and can working continuously. various models can meet different test requirements.



Combined environmental condition

Cyclic corrosion chambers, combining salt spray with temperature, humidity environmental conditions.

Select your chamber from the size

The size, volumes, workroom structures and special sample holders can be customized.

Easy opening and closing cover

Pneumatically operate cover, easy opening and closing cover.

Specification

Model	SC-010	SC-016	SC-020
Internal Dimension (mm)	800*1450*680	1000*1600*800	1000*2000*800
Overall Dimension (mm)	1350*2650*1600	1500*2700*1800	1500*3100*1800
Interior Volume (L)	780	1280	1600
Temperature Range	+10 °C ~ +90 °C		
Temperature Fluctuation	± 0.5 °C		
Temperature Deviation	± 2.0 °C		
Humidity Range	30% ~ 98% RH		
Humidity Deviation	+ 2%, - 3%		
Salt Fog Deposition	1~2ml / 80cm ² · h		
Cooling system	Mechanical compression refrigeration system		
Humidifier	Electric heating humidifier		
Water supply system	Water purification system		
Air Preheating	Saturated air barrel (31Liter)		
Spraying System	Atomizer tower and Spray nozzles		
Salt Fog Collected	Fog collector and fog measure cylinder		
Controller	Programmable color LCD touch screen controller, Ethernet connection		
Air Circulation	Centrifugal wind fan		
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	Round bars and V-shape grooves		

Salt Fog and SO₂ Corrosion Chamber

LIB salt fog and SO₂ corrosion chamber exposes sample to a series of different environment conditions that combining salt spray with temperature, humidity, SO₂ gas, drying, wetting and more. Suitable for testing to standards including; ASTM B117, ISO 9002, IEC60068 and ASTM G85.

ASTM G85 Annex 4 (A4) is a corrosion test which introduces SO₂ gas directly into the salt spray chamber according to specified cycles. SSC chambers are upgraded to programmable controller and Ethernet access. All models are automated, and can working continuously. various models can meet different test requirements.



Combined environmental condition

Cyclic corrosion chambers, combining salt spray with temperature, humidity and SO₂ gas environmental conditions.

Easy opening and closing cover

Pneumatically operate cover, easy opening and closing cover.

Select your chamber from the performance

The temperature range, humidity range, SO₂ gas and other performance can be selected.

Specification

Model	SSC-010	SSC-016	SSC-020
Internal Dimension (mm)	800*1450*680	1000*1600*800	1000*2000*800
Overall Dimension (mm)	1350*2650*1600	1500*2700*1800	1500*3100*1800
Interior Volume (L)	780	1280	1600
Temperature Range	+10 °C ~ +90 °C		
Temperature Fluctuation	± 0.5 °C		
Temperature Deviation	± 2.0 °C		
Humidity Range	30% ~ 98% RH		
Humidity Deviation	+ 2%, - 3%		
Salt Fog Deposition	1~2ml / 80cm ² · h		
SO ₂ Gas Control	Control and display volume of SO ₂ gas		
Cooling System	Mechanical compression refrigeration system		
Humidifier	Electric heating humidifier		
Air Preheating	Saturated air barrel		
Spraying System	Atomizer tower and Spray nozzles		
Salt Fog Collected	Fog collector and fog measure cylinder		
Sealing	Pneumatic seal		
Controller	Programmable color LCD touch screen controller, Ethernet connection		
Air Circulation	Centrifugal wind fan		
SO ₂ Exhaust Device	NAOH tank		
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	Round bars and V-shape grooves		



PRODUCT AND SERVICE

Manufacturer and Supplier of Environmental Test Chamber

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