













SALT SPRAY CHANBER 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, manufacuring, 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.



Manufacturer and Supplier of Environmental Test Chamber

| Confinate No. 1955-183880505C | CSA Treet | - Mith Street, Edwardon, AB, Talli hone 710 446 2020 Pac 705-861 5 for wave taa-miertafional org | 322 | PECIAL INSPECTION REP 8915032 - 001 / 2952 Page 1 Page 1 Page 1 | |
|--|--|---|-------------------------------------|---|--|
| Certificate of Conformity | CLENT XTANLIB ENVIRON | ENTAL SEALATION INDUST | RV <u>REPORT BY</u> H | ENRY HURNO June? | |
| Applicant Star-US Invitaneous Enceder Internet In 2 Perspective Start, Kan High-Indi-Anie, Stareni Perspective VFI Chem. 7 (69) | LOCATION OF EXAMINATION. WAN UP UNTROMMENTAL SBAULATION INDUSTRY | | DATE, Sep 21, 1 | * | |
| Rendschere : Nor-LB Einen-musik Sindation kunsky Nucl. Purgins Film Bank (Parkinghan Ann, Branna Henema, F.K.Dana, 75005 | PRODUCT (Type: JA): Dust Test Chamber | | ATTENTION M | R YANG YIN'LIN | |
| Indexes 1.05 Portal Interpreter Readly Tel Garden | CatWodel No.: DH1500 | | Permanently con control paren | Permanently connected witing territouts in the control parent | |
| NN 25.50 25.60, 71.60, 71.60, 71.60, 71.60, 71.60, 71.00, | Manufacturer's Name: Xi'an LB Environmental Semulation Industry Electrical rating: 240 Var, 60 Hz, 16 A, typ | | industry No of units table | No. of units satisfied: 2 | |
| TH 1085, TH 1997, TH 2268, TH 2268, TH 2267, TH 5068, TH 4069, TH 4067, TH 4068, TH 4067, TH 4067, TH 4068, | | | | | |
| TH-808E, TH-808C, TH-808A, TH-908C, TH-808C, TH-908CA, TH-9508B, TH-808CC, T-95A, T-609, T-80C, T-80A, T-800, | Single phase with a metral corr | chebre, and a bonding conduction | | | |
| TH ADDIE, TH ATTUCK, TH ATTUCK, TH ADDIE, TH A | | | Unit Send Number LP201696222 | Cabel Number (894) C.2512726 | |
| The ABER, The MELT, The ABER, Tank, Ta | Steple plane with a next at an User horizont Novotan (| checker, and a bending conductor Label Namber (149) C 2512725 | Unit Senal Number | | |
| The Apple (1) heading, the apple (1) heading, the apple, the apple (1) heading, theading, the apple (1) heading, the apple (1) heading, t | Single phase with a number Unit Serial Namber | checker, and a bending conductor Label Namber (149) C 2512725 | Unit Senal Number | C.2612726 | |
| Theorem (theorem is a prior to a prio to a prior to a prior to a prior to a prior to a p | Strige place with a work of one Unit formal Namber (. P201030821 | Cluber Avel a Sending control of Later Reactor (2010) C 2512726 PRI (UR) Nemail: CONTC PRI (UR) Nemail: CONTC PRI (UR) Nemail: CONTC PRI (UR) Nemail: CONTC PRI (UR) Nemail: CONTC | Unit Bend Number LP201636022 | 0.2012726 00MC 00MO | |
| Note: to four the first th | Surge page with a work or or Surge page with a work of or Surge page with a surger of or The page with a surger of or Democir strange. How yes, a Cauden Nation - Sine days DECAMSTOR The follows photoe dimpleter | stato: effe I biedge contactor Land Nature Proje C 25/2726 eff (JAD) Normal COMC er 60 aecis) on 10% Prod Sa piption metts were used in the collabolity | Unit Bendi Necilier (19201636622 | C 2019726 | |



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 Di- mension (mm) | 460*600*400 | 640*1000*500 | 750*1100*500 | 1000*1300*600 | 1000*1600*800 | 1000*2000*800 |
| Overall Di- mension (mm) | 630*1110*1000 | 810*1570*1270 | 950*1700*1300 | 1300*1860*1600 | 1300*2160*1720 | 1300*2700*1900 |
| Interior Vol- ume (L) | 110 | 320 | 410 | 780 | 1280 | 1600 |
| Temperature Range | Ambient \sim +60 $^\circ \mathrm{C}$ | | | | | |
| Temperature Fluctuation | ± 0.5 °C | | | | | |
| Temperature Deviation | ± 2.0 °C | | | | | |
| Salt Fog Depo- sition | 1~2ml / 80cm² · h | | | | | |
| Spray Type | Continuous / Periodic | | | | | |
| Salt Fog Col- lected | Fog collector and fog measure cylinder | | | | | |
| Air Preheating | Saturated air barrel | | | | | |
| Spraying Sys- tem | 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 Con- figuration | 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 | $30\%\sim98\%\mathrm{RH}$ | | | |
| 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-curre Protection; Water Shortage Protection; Earth leakage Protection | | | |
| Material | (| Glass fiber reinforced plastics | | |
| Standard Configuration | Round bars and V-shape grooves | | | |





CCT Chamber

Salt Fog and SO₂ Corrosion Chamber

LIB salt fog and SO_2 corrosion chamber exposes sample to a series of different environment conditions that combining salt spray with temperature, humidity, SO_2 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 SO_2 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.



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 ℃ ~ +90 ℃ | | | |
| Temperature Fluctuation | | ± 0.5 °C | | |
| Temperature Deviation | ± 2.0 °C | | | |
| Humidity Range | $30\% \sim 98\%\mathrm{RH}$ | | | |
| 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 | | | |



Combined environmental condition

Cyclic corrosion chambers, combining salt spray with temperature, humidity and SO_2 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, SO_{2} gas and other performance can be selected.





Manufacturer and Supplier of Environmental Test Chamber

Manufacturer And Supplier of Environmental Test Chamber

www.lib-industry.com