

SO2 Noxious Gas Corrosion Chamber



Standard Features

- ◆ Noxious gas with SO2
- ◆ SO2 Gas tank with flow meter
- ◆ SO2 Exhaust device
- ◆ Inner material is made of glass fiber reinforced plastics.
- ◆ Relative humidity from 30% to 98% R.H
- ◆ Temperature range from 15°C to 65°C
- ◆ SO2 concentration 25 ±5 ppm
- ◆ Gas supply should be prepared by user.
- ◆ Standard IEC 60068-2-42

Main Technical Parameters

Model	SO-100	SO-225	SO-500	SO-800	SO-1000
Internal dimensions (mm)	450*450*500	500*600*750	800*700*900	800*1000*1000	1000*1000*1000
Overall dimensions (mm)	1050*880*1440	1050*1020*2000	1320*1320*2170	1470*1520*2315	1670*1520*2315
Temperature range	15 °C ~+80 °C				
Humidity range	30%~98% R.H				
Temperature fluctuation	±0.5°C				
SO2 concentration	25 ±5 ppm				
Controller	Programmable color display touch screen controller				
	PC Link with software, R-232 interface				
Interior material	Glass fiber reinforced plastics				
Exterior material	Steel Plate with protective coating				
Standard	IEC 60068-2-42				
Power & voltage	AC 380V 50HZ				



Design and Construction

● Test Area

Test area and door Interior made of glass fiber reinforced plastics.

Cabinet material is against harmful gas corrosion.

Cable hole as option.

● Control Panel

Programmable color display touch screen controller

Program: 100 groups in 999 sections

PC Link with software, R-232 interface

Regarding data record, if link to PC, data will be recorded to PC, otherwise will be recorded on controller.

If data recorded on controller, can't download, only see data.

● Cooling Control

Mechanical compression refrigeration system

Refrigerating unit is French TECUMSEH compressor.

Environment friendly Refrigerant

Temperature range from 15°C to 80°C

Temperature sensor PT-100 A class

Humidity Control

External isolation, stainless steel surface evaporation humidifier

Relative humidity from 30% to 98% R.H

Humidity sensor Dry and wet bulb sensor

Resolution: humidity: $\pm 1\%RH$

● SO₂ Control

Automatic control SO₂ gas

Air change: 3-5 / hour

SO₂ cylinder will be prepared by user.

Sulfur Dioxide gas sensor MIC-SO₂

Measurement accuracy: $\pm 3\%F.S$

● Ozone Exhaust Device

After completed ozone testing, click "Exha" button on controller to exhaust ozone from test area to this exhaust device.

This absorbs ozone, to make workplace clean and safe.

SO₂ Exhaust device

After test completed, click "Exhaust" to exhaust SO₂ from test area to this exhaust device.

This dilutes SO₂, to make workplace clean and safe.

● Safety Protection

Humidifier dry-combustion protection

Independent over-temperature protection,

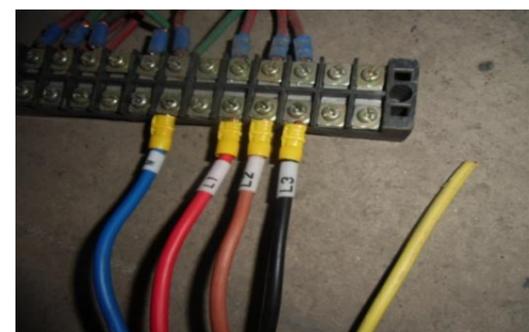
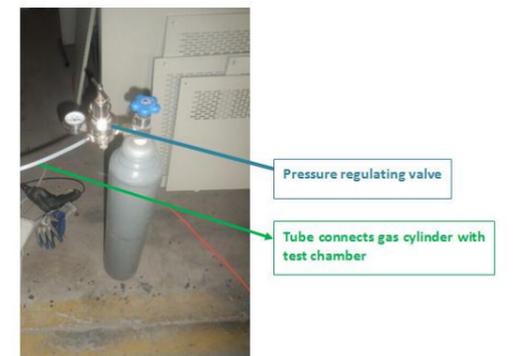
Over-current protection

Refrigerant high-pressure protection switch

Earth leakage protection

● Power Supply and Wiring

380V, 50 Hz 10% +/- Three-phase five little system





XI'AN LIB ENVIRONMENTAL SIMULATION INDUSTRY

Climatic Test Chamber Manufacturer and Supplier

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.

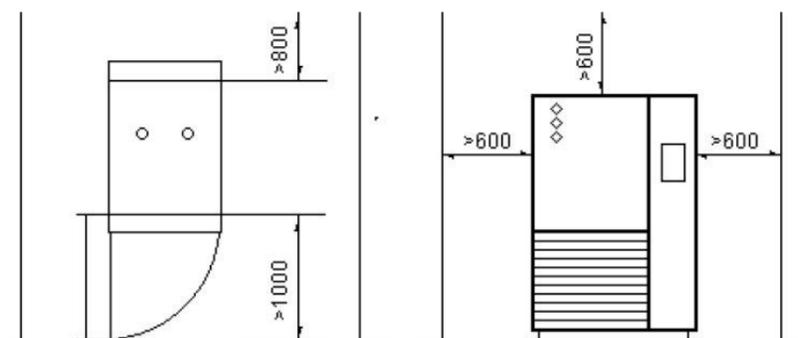
Training how to install and operate the machine.

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

www.lib-industry.com/

Add: No.5 Zhangba First St, Xian High-Tech Area, Shaanxi Province P.R.China 710065

Tel: +86 29 68918976

Skype: serena_lib

Email: serena@lib-industry.com ; sales@lib-industry.com