

Ozone Test Chamber



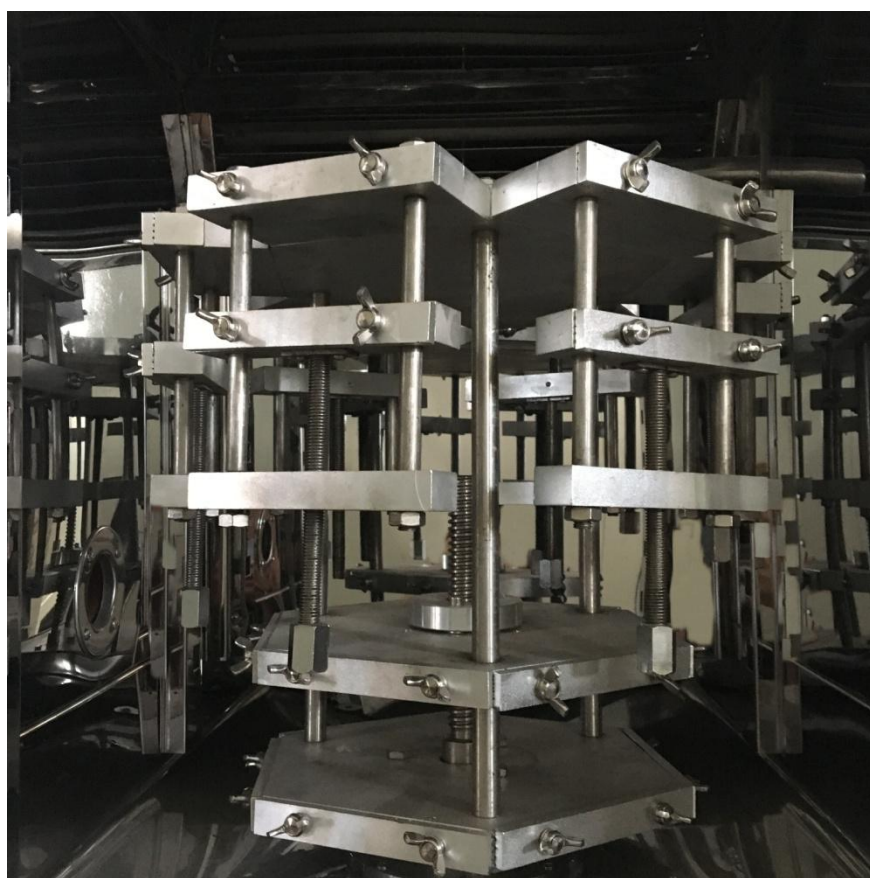


XI'AN LIB ENVIRONMENTAL SIMULATION INDUSTRY

Climatic Test Chamber Manufacturer and Supplier

Standard Features

- ◆ Automatic control and supply ozone gas
- ◆ Equipped with ozone generator
- ◆ Temperature from 0°C to 100°C
- ◆ Relative humidity from 30%~98%R.H
- ◆ Ozone concentration can be adjusted from 0 to 1000PPHM
- ◆ Static and dynamic sample holder





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Main Technical Parameter

Ozone test chamber

Model	OC-250	OC-500	OC-800	OC-010
Internal dimensions (mm) -D*W*H	600*600*700	700*800*900	800*1000*1000	1000*1000*1000
Overall dimensions (mm) -D*W*H	960*1150*1860	1180*1350*2010	1280*1550*2110	1500*1550*2110
Diameter of holders (mm)	400	600	700	900
Length of holders (mm)	180	220	350	460
Temperature range	0℃~100℃			
Humidity range	30% - 98%R.H			
Temperature fluctuation	±0.5℃			
Temperature deviation	± 2.0 ℃			
Humidity deviation	± 2.5% RH			
Cooling rate	Ambient~ 0℃ within 20 min.			
Ozone concentration:	1~1000PPHM			
Sample holder rotate speed	0~10 r/min			
Airflow rate	0 ~ 60L/min			
Clamps tensile stretch :	5%~35%			
Temperature Sensor	PTR Platinum Resistance PT100Ω/MV A-class			
Humidity sensor	Dry and wet bulb sensor			
Heater	Nichrome heater			
Cooling system	Mechanical compression refrigeration system			
Refrigerating unit	French TECUMSEH compressor			
Humidifier	External isolation, stainless steel surface evaporation humidifier			
Dehumidification system	Evaporator			
Air circulation	Centrifugal wind fan			
Safety device	Humidifier dry-combustion protection; over-temperature protection; over-current protection; Refrigerant high-pressure protection; Water shortage protection, Earth leakage protection;			
Exterior material	Steel Plate with protective coating			
Interior material	SUS304 stainless steel			
Thermal insulation	Polyurethane foam			
Observation window	Interior lighting , double-layer thermo stability silicone rubber sealing			
Power & voltage:	AC380V 50HZ			
Standard	ASTM D 1149; IEC60811-403; ISO 1431; JIS K6259; ASTM D1171			



Design and Construction

● Test Area and Sampler Holder

Ozone test chamber is for testing of elastomers.
Test area is made of stainless-steel.
Equipped with Static and dynamic sample holder.

● Temperature Control

Mechanical compression refrigeration system
Refrigerating unit is French TECUMSEH compressor.
Environment friendly refrigerant
Temperature range: 0°C~100°C

● Humidity Control

External isolation, stainless steel surface evaporation humidifier
Humidity range: 30% - 98%R.H

● Ozone Generator

Ozone test chamber equipped with ozone generator to supply ozone gas.
Automatic control and supply ozone gas.
Ozone concentration: 1~1000PPHM (Adjusted).

● Control Operation

Programmable color display touch screen controller
Program: 100 groups in 999 sections; R-232 interface, PC Link
Measure, control and display Temperature, humidity and Ozone concentration.
Clamps tensile stretch can be sent on controller.

● Ozone Exhaust Device

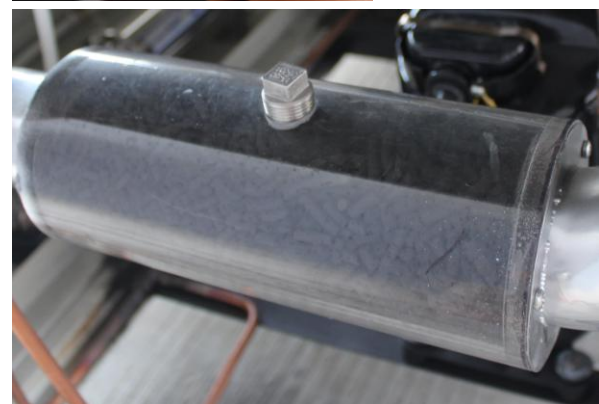
After completed ozone testing, click "Exha" button on controller to exhaust ozone from test area to this exhaust device.
This absorbs ozone, to make workplace clean and safe.

● Safety Protection

Humidifier dry-combustion protection
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.

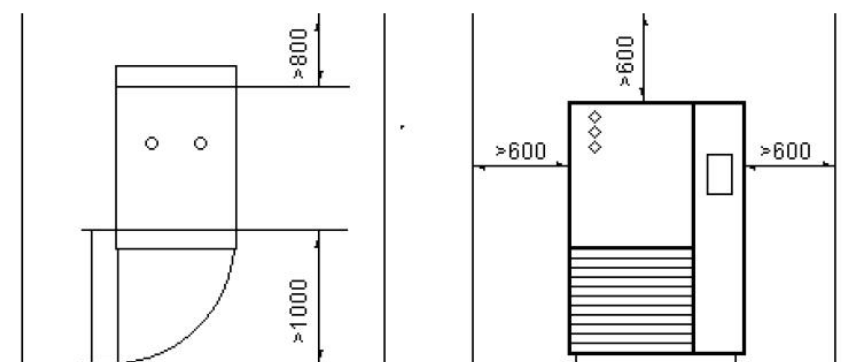
Training how to install and operate the machine.

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.

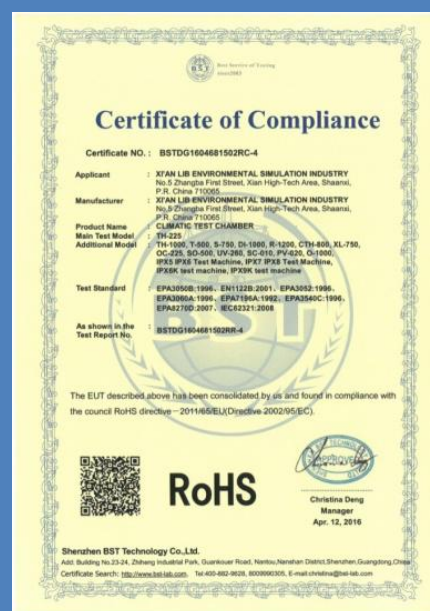


Xi'an LIB environmental simulation industry is a manufacture and exporter of climatic test chambers in China, and have over 8 years overseas market in test chambers to more than 25 countries.

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



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