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

<table>
<thead>
<tr>
<th>Model</th>
<th>SO-100</th>
<th>SO-225</th>
<th>SO-500</th>
<th>SO-800</th>
<th>SO-1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal dimensions (mm)</td>
<td>450<em>450</em>500</td>
<td>500<em>600</em>750</td>
<td>800<em>700</em>900</td>
<td>800<em>1000</em>1000</td>
<td>1000<em>1000</em>1000</td>
</tr>
<tr>
<td>Overall dimensions (mm)</td>
<td>1050<em>880</em>1440</td>
<td>1050<em>1020</em>2000</td>
<td>1320<em>1320</em>2170</td>
<td>1470<em>1520</em>2315</td>
<td>1670<em>1520</em>2315</td>
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<tr>
<td>Temperature range</td>
<td>15 °C ~+80 °C</td>
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<tr>
<td>Humidity range</td>
<td>30~98% R.H</td>
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<tr>
<td>Temperature fluctuation</td>
<td>±0.5 °C</td>
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<td></td>
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<tr>
<td>SO2 concentration</td>
<td>25 ±5 ppm</td>
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<td></td>
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<tr>
<td>Controller</td>
<td>Programmable color display touch screen controller</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td></td>
<td>PC Link with software, R-232 interface</td>
<td></td>
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<tr>
<td>Interior material</td>
<td>Glass fiber reinforced plastics</td>
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<tr>
<td>Exterior material</td>
<td>Steel Plate with protective coating</td>
<td></td>
<td></td>
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<tr>
<td>Standard</td>
<td>IEC 60068-2-42</td>
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<tr>
<td>Power &amp; voltage</td>
<td>AC 380V 50HZ</td>
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</tbody>
</table>
**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 ± 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: ±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
Package with Export Standard Wooden Box
Can be used for Sea, Air, Railway, Truck transportation.

Installation
Operation manual and video available for installation & operation

Environment conditions
Temperature: 5 ℃ -- 35 ℃, 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.

Warranty & Service
3 Years Warranty, Lifelong Follow-up Services.

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