Dust Test Chamber  Model DI-1500, DI-2000
Standard Features

- Interior of Chamber is SUS304 stainless steel.
- The air velocity for the blowing of dust is controlled by a dust blowing mechanism that includes a motor and blower combination.
- Dust re-cycle blowing by circulating pump.
- Dust collection section is located on bottom of test chamber.
- A heater fixed into test chamber to keep dust dry.
- A viewing window with a manually controlled wiper.
- Programmable color display touch screen controller which located on right side of chamber.
- A stainless steel shelf for placing test specimens.
- Chamber inside equipped with power interface for test specimen.
- Test chamber internal illumination.
- Vacuum system for specimen.
- Bottom install 4 castors for ease moving, and with brakes function.
- Safety protection.
- Easy to operate.
- Standard: IEC60529.

Main Technical Parameter

<table>
<thead>
<tr>
<th>Model</th>
<th>DI-800</th>
<th>DI-1000</th>
<th>DI-1500</th>
<th>DI-2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal dimensions (mm)</td>
<td>800<em>1000</em>1000</td>
<td>1000<em>1000</em>1000</td>
<td>1000<em>1500</em>1000</td>
<td>1200<em>1800</em>1200</td>
</tr>
<tr>
<td>Overall dimensions (mm)</td>
<td>1040<em>1450</em>1960</td>
<td>1200<em>1450</em>1960</td>
<td>1250<em>1900</em>1960</td>
<td>1500<em>2200</em>2160</td>
</tr>
<tr>
<td>Temperature range</td>
<td>Ambient to +50°C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Normal wire diameter</td>
<td>50um</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Normal width of a gap between wire</td>
<td>75um</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The Talcum powder amount</td>
<td>2kg ~ 4kg/m3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fight time</td>
<td>0 ~ 99H59M</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fan cycle time</td>
<td>0 ~ 99H59M</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specimen power outlet</td>
<td>Dust-proof socket AC220V 16A</td>
<td>Programmable color display touch screen controller</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Controller</td>
<td></td>
<td>PC Link, Ethernet interface</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vacuum system</td>
<td>Equipped with a pressure gauge, air filter, pressure regulator, connecting tube</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Circulating fan</td>
<td>Enclosed alloy low-noise motor, multi-vane centrifugal fan</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heating system</td>
<td>Independent Nichrome electronic heating system</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exterior material</td>
<td>Steel Plate with protective coating</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Interior material</td>
<td>SUS304 stainless steel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Safety System</td>
<td>Electric leakage, short circuit, Over-temperature, motor overheating Over-current protection/ Power failure memory function for controller</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power supply</td>
<td>400V 50/60HZ</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Design and Construction

Test Area & Shelf
- Interior of Chamber is SUS304 stainless steel.
- A stainless steel shelf for placing test specimens
- Standard load of shelf is 50kg
- Normal wire diameter is 50 um.
- Normal width of a gap between wires is 75um.
- Built-in power interface for test specimen
- Test chamber internal illumination
- Vacuum system for specimen

Control Panel
- Programmable color touch display controller
- 99 programs 99 sections
- Ethernet interface, PC Link with software
- Show total process time on controller.

Dust Circulation
- During test, dust is blown in test area by motor and blower, and then fall in funnel, and re-cycle blowing by circulating pump to achieve dust circulation.
- Bottom of chamber is fitted with blower, vacuum pump, motor.
- Dust collection section is located on bottom of test chamber.

Vacuum System for Specimen
- Bottom of dust chamber is fitted with vacuum pump, a pressure gauge, air filter, pressure regulator, connecting tube which one side to connect pump, one side connect to test specimen.
- Adjust vacuum value on control panel.

Viewing Window
- Large viewing window with wiper
- Can observe samples during testing

Safety Protection
- Earth leakage protection,
- Short circuit
- Over-temperature protection
- Motor overheating protection
- Over-current protection
- Power failure memory function for controller

Power Supply and Wiring
- 400V, 50/60 Hz 10% +/-
- Three-phase-five-wire 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

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

Xian 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