**Constant temperature and humidity chamber**

**Product introduction:**

1, The test machine is mainly used in testing the adaptability of electronics, electrical appliances, food, automobile, rubber and plastic, metal and other products, parts and materials in the high and low temperature alternating hot and humid environment when storage, transport and using;

2, It is an reliable test equipment for all kinds of electronic, electrical, electronics, plastics raw materials and devices to do testing such as cold, heat, moisture, resistance to dry and the quality control;

3, It is suitable for optical fiber, LCD, crystal, inductor, PCB, batteries, computers, mobile phones, rubber, plastics and other product.

4, It has the features of newly perfect design, appearance of high texture level and the essence of design and manufacture adopt advanced technology.

5, Balanced temperature humidity control system (BTHC), to PID mode control SSR, so that heated humidification system was equal to heat loss capacity, it could be used long-term stability;

6, All-capillary, automatic load capacity adjustment system technology, more expansion valve system more stable and reliable, precise temperature and humidity control, heating and cooling rate of rapid, steady, uniform, saving valuable time for users.

**Main parameters**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Model** | | 408L | 800L | 1000L |
| Internal dimension(W\*D\*H) | | 600\*800\*850mm | 1000\*800\*1000mm | 1000\*1000\*1000mm |
| External dimension (SUS type) (W\*D\*H) | | 1100\*1370\*1750mm | 1500\*1180\*1900mm | 1500\*1380\*1900mm |
| Performance | Temp. & Humid. Adjust way | Balanced temperature humidity control system(BTHC) | | |
| Temp, range | 0; -20; -40; -70~ +150 | | |
| Temp. tolerance | ±0.01 | | |
| Temp. uniformity | ±0.5~±0.2 | | |
| Heating speed | 3℃/min in average | | |
| Cooling Speed | 1℃/min in average | | |
| Humid. range | 20%~98%RH | | |
| Humid. tolerance | ±1%RH | | |
| Humid. uniformity | ±3%RH | | |
| Internal chamber  material | Stainless steel 304 | | |
| External chamber  material | Stainless steel / paint spray | | |
| Regulator | Cooling method | Single-stage compression, binary refrigeration | | |
| Refrigerator | All closed Tecumseh of France compressor | | |
| Cooling method | Air-cooled | | |
| Controller | Operation panel | Programmable LCD touch screen | | |
| Running mode | Constant running, program running | | |
| Program memory capacity | 120 group programmable, max 100 section each | | |
| Output | RS-232 | | |
| Water supply | Water supply | Circulating water | | |
| Water tank capacity | Chamber internal capacity < 800L: 25L x 1pc Chamber internal capacity > 800L: 25L x 2pcs | | |

Specification notes:

• Please submit a performance evaluation request to ensure selection of the correct model for your test requirement.

• Cooling water requirements listed are maximum. Actual water demand varies with cooling demand and water temperature. Detailed cooling water demand charts are available.

• Site requirements also include a drain for condensate water from the chamber, and ample spacing for service and proper ventilation.

• These specifications are for reference only. Detailed and current specifications can be obtained from your sales representative or.

Note:

These specifications are for reference only.

A customized performance evaluation can be provided by supplying a test profile and loading requirements to your sales representative.

Advantages At A Glance：

1. Remote data and programming

Free App, Chamber management is always possible through few, simple steps, whether inside the test Lab or anywhere else.

1. Low temperature and high humidity series, Long time continuous running is possible.

Latest electronic sensors with DETECT’s unique system, no need to replace the gauze, totally no problem to run a year non-stop with - 20 ℃ ~ 80 ℃, 50% RH to 98% which is superior than most of market similar products.

More stable: Cryogenic test can be stable 5 ~ 8 days, only 24 hours if use market similar products.

1. Design for safety operation

We have more than 10 kinds of protection parts for safety operation.

Protection for leakage

Over-temperature

Compressor overvoltage and overload

Heater short circuit

Water shortage ,etc.

1. A wide range of accessories and options

We know what is important in laboratory practice and fulfill our customer's requirements with excellent products and sophisticated equipment features. Thanks to a wide range of accessories and options, our series production products can be set up in a more specific way for all standard applications and to meet our customers' various and stringent specifications.