

Low Air Pressure Test Chamber



Introduction

This type is used for testing durability of specimens in vacuum environment.

The specimens can be tested in vacuum + temperature environments.

The specimens can be charged with electricity in vacuum environment.

Using Areas

- | | |
|-------------------------------|---------------------------------|
| ➤ Aerospace fields | ➤ Aviation fields |
| ➤ Electronic products testing | ➤ Inflammable materials testing |
| ➤ Medical products testing | ➤ Others |

The advantages of TCT Low Air Pressure Test Chamber

- Vacuum degree is higher, anti-pressure ability of structure is better
- PLC touch screen program controller, easy to operate
- Humanized observation window with light
- Using more famous components, the performance is better
- 1 year warranty period for machine + 3 years free providing for spare parts.

| Production Standards | |
|----------------------|--|
| ➤ | GB10590-89, GB15091-89, GB11159-89, GB/T2423.25-1992, GB/T2423.26-1992, GJB150.2-86. |
| ➤ | IEC60068-3-5, IEC60068-2-03, MIL-STD-810F, MIL-STD-883C, JIS-C60068 |
| ➤ | JESD22-A101-B-2004, JESD22-A103-C-2004, JESD-A119-C-2004 |

| Common Specifications | | |
|--------------------------|--|----------------------------------|
| Internal materials | SUS304 stainless steel | |
| External materials | High quality cold rolled steel sheet | |
| Temperature fluctuation | ±0.5℃ | |
| Temperature uniformity | ±2.0℃ | |
| Heating rate | 2.0~3.0℃ / min (no-load) | |
| Cooling rate | 1.0~2.0℃ / min (no-load) | |
| Pressure Precision | ± 5% | |
| Pressure reduction time | 30 minutes (From Normal pressure to 1 kpa) | |
| Vacuum Pump | High performance vacuum pump | |
| Observation window | Non-condensation observation window with light | |
| Test hole | Stainless steel test hole, 1 set × 50mm diameter | |
| Test shelf | Stainless steel test shelf, 2 pieces (height-adjustable) | |
| Movement wheel | 4 sets movement wheels (fixation function) | |
| Sealing material | Silicon rubber sealing ring | |
| Heat insulating material | PU FOAM + Glass fiber cotton | |
| Air supply system | Fan | Axial flow fan + centrifugal fan |
| | Circulation mode | Forced air circulation |
| Refrigeration system | Compressor | Hermetic compressor |
| | Refrigerant | R404A/R23 |
| | Evaporator | Warped type evaporator |
| | Heat exchanger | BPHE |
| | Refrigerator oil | 3GS/32H |
| | Cooling way | Air cooling way |
| Control system | Controller | PLC touch screen controller |
| | Running mode | Fix and Program running |
| | Program capacity | 100 groups |
| | Section capacity | 120 sections / group |
| | Sensor | PT100 |
| | Connect Port | RS232 communication port |
| Safety function | Over-temperature protection | |
| | Electric leakage protection | |
| | Power phase protection | |
| | Over-current protection | |
| | Fuse protection | |

| | |
|-----------------------|---|
| | Over-pressure protection for compressor |
| | Over-heating protection for compressor |
| | Over-current protection for compressor |
| | Water shortage protection |
| | Ground protection |
| Noise | ≤65 dB |
| Power supply standard | 120V/220V/240V/380V/415V, 50Hz/60Hz, Single or three phases |

Standard Model

| Model | Working room size(W×D×H) | Temperature Range | Pressure Range |
|-----------|--------------------------------|-------------------|----------------|
| DQY-100L | 450×450×500mm (101.2 Liters) | -70 ~ +180℃ | Normal ~ 1 kpa |
| DQY-225L | 500×600×750mm (225 Liters) | | |
| DQY-500L | 800×700×900mm (504 Liters) | | |
| DQY-1000L | 1000×1000×1000mm (1000 Liters) | | |

If you have the more requirements, please contact us!