

# Temperature Altitude Testing Chamber

## Summary

Altitude testing chamber is used for testing high temperature, low temperature, height, low and high cycle and temperature altitude test for products (components), parts and materials. The chamber can be used for the test of heat dissipation test sample and non heat dissipation test sample at the high and low temperature test. As to the test of heat dissipation test samples, the heating power should not exceed the refrigerating capacity of chamber. As a dynamic value, refrigerating capacity change with temperature change .



## SPECIFICATIONS

| Model   | KU-   |   |             |                |  |
|---|---|---|-------------|----------------|--|
|   | 504L  | 1000L   | 504S        | 1000S          |  |
| Interior Size (D*W*H)mm   | 800*700*900   | 1000*1000*1000  | 800*700*900 | 1000*1000*1000 |  |
| Capacity ( KW )   | 11  | 15  | 16          | 18             |  |
| Chamber Volume ( L )  | 504   | 1000  | 504         | 1000           |  |
| Performance   | Temp range  | -40℃ ~ +150℃  |             | -70℃ ~ +150℃   |  |
|   | Temp constancy  | ± 0.5%  |             |                |  |
|   | Temp deviation  | ≥ 100℃, ± 3.0℃ ( at constant pressure with empty load )                         |             |                |  |
|   |   | < 100℃, ± 2.0℃ ( at constant pressure with empty load )                         |             |                |  |
|   | Cooling rate  | 0.7℃ ~ 1.0℃/min ( Overall average )   |             |                |  |
|   | Pressure range  | Constant pressure ~ 1kPa  |             |                |  |
|   | Pressure constancy  | When ≥40kPa, ± 2kPa, 4kPa ~ 40pKa ± 0.5kPa, when ≤4kPa, ± 0.1kPa                |             |                |  |
|   | Depressurization rate   | Constant pressure ~ 1kPa ≤ 30mins ( Normal temp )                               |             |                |  |
| Pressure recovery rate  | 10kPa/Min(adjustable )  |   |             |                |  |
| Material  | Exterior material   | Cold-rolled steel sheet(Rust proof&Plastic Spray treated)/Stainless Steel plate |             |                |  |
|   | Interior material   | Stainless steel ( SUS304 )  |             |                |  |
|   | Pressurized parts   | High quality steel plate(Rust proof & Plastic spray treated)                    |             |                |  |
|   | Insulation material   | High quality glass wool   |             |                |  |
| Cooling System  | Compressor  | Semi-Hermetic Compressor  |             |                |  |
|   | Cooling Mode  | Water cooled  |             |                |  |
| Temp regulating method  | Balanced Temperature & Humidity Control System (BTHC )  |   |             |                |  |
| Pump  | Rotary vane type vacuum pump  |   |             |                |  |
| Heater  | Iron-chrome wire heater   |   |             |                |  |
| Sight window  | Circular viewing glass incorporating heat generator   |   |             |                |  |
| Temp Sensor   | Pt-100  |   |             |                |  |
| Controller  | Touch Screen Controller   |   |             |                |  |
| Safety Devices  | Over pressure, over heat and over current protection for compressor, over temp. protection, over load protection for blower, Hydraulic and Water lack Protection, leakage protection, phase-lack protection, Pump failure alarm |   |             |                |  |
| Standard Accessory  | Sight window, Cable Port( 1 located on the left side), Baffle, Baffle frame*2   |   |             |                |  |
| Power   | AC380V/50Hz, 3Phase 5 wires+ Ground Wire.   |   |             |                |  |
| Note: 1. We reserve the right to change specifications without prior notice<br>2. Customized sizes and configurations available |   |   |             |                |  |