

Altitude chambers ETSP- TV and THV series



Product Intro

For performing altitude and climatic (temperature and humidity) testing in one combined test chamber. More than one condition can be created simultaneously to satisfy many types of test requirements.

- Altitude temperature chambers
- Altitude temperature and humidity chambers

General Features

- Silent compressors using ecologically friendly refrigerants.
- Air temperature variation and quick adaptation of specimens to it
- Friendly, flexible, up-to date control and management systems.
- Allows easy servicing and upgrades.

Technical Features

Temperature range	-40 °C ~ +180 °C (single stage refrigeration system) -70 °C ~ +150 °C (changeable according to user's demand)
Temperature accuracy	Less than ± 0.3 °C
Temperature fluctuation	Less than ± 0.5 °C
Humidity range	20% ~ 98% RH(10% ~ 98% RH is an optional spec)
Humidity stability	Less than ±2% RH
Humidity uniformity	Less than ±3% RH
Heat-up rate	More than 3 °C/min
Pull-down rate	More than 2 °C/min
Vacuum pump	Two stage oil rotary pump or dry pump
Condensing	Air cooled or water cooled type
Input power requirements	220V/380V, 50Hz/60Hz, 1Ph/3Ph (Changeable according to customer specification)

Technical Specifications

Model	Internal dimensions	External dimensions	Useful capacity
ETSP-THV 60C	700x600x750 (WxDxH) mm	1450x1900x2000 (WxDxH) mm	345 liters
ETSP-THV 150C	740x740x740 (WxDxH) mm	1490x2040x2000 (WxDxH) mm	405 liters
ETSP-THV 512C	800x800x800 (WxDxH) mm	1500x2100x2060 (WxDxH) mm	512 liters
ETSP-THV 720C	800x900x1000 (WxDxH) mm	1550x2200x2300 (WxDxH) mm	720 liters

Note Different size of chambers are available on user's demand.

- Controller : Programmable type TFT color LCD 5.7 controller (Max. 120 patterns, Max. 1,200 profile)
- Refrigerant : R404A, R23 (CFC free)
- Safety devices : Leakage breaker, circuit breaker, over heat protector, refrigerator high and low pressure switch, Water low level switch, compressor built-in protector, pressure relief port, Electrical over current relay.

Included accessories

- Viewing window (heater wire including, reinforced window) and interior light
- RS232/485 oven networking With control software
- Caster for moving
- Oil mist trap
- Spare parts kit
- Instruction and maintenance manual

Options

- Low humidity kit
- Chart recorder
- Port hole
- GN2 purge
- Demineralization unit (RO system)
- Customization available