

## Walk in Temp. and humidity Chamber ▶▶

# ETSP-WTH series

**ETSP-WTH** series are wide range of walk in temperature & humidity chamber for testing large size components and products. Solved noise, bad humidity control and condensation, slow temperature/humidity variations, unbalanced air distribution inside the chamber.

**ETSP-WTH** series are manufactured according to the Total Quality procedures, in compliance with the ISO 9001 standard.



ETSP-WTH series

### General Features

- Hermetically-sealed, 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.
- Noise reduction system.
- Allows easy servicing and upgrades.
- Network connection of several chambers to a single "master" control unit allowing centralized supervision both in local and remote mode.

### Technical Features

|                          |  |
|--------------------------|--|
| Temperature range        | -50 °C ~ +200 °C (changeable according to user's demand) |
| Temperature stability    | less than $\pm 0.5$ °C                                   |
| Temperature uniformity   | less than $\pm 1.5$ °C                                   |
| Humidity range           | 20% ~ 98% RH (5%~98%RH is an optional spec.)             |
| Humidity stability       | less than $\pm 2$ % RH                                   |
| Humidity uniformity      | less than $\pm 3$ % RH                                   |
| Heat-up rate             | More than 5 °C/min                                       |
| Pull-down rate           | More than 1 °C/min                                       |
| Condensing               | Air cooled or water cooled type                          |
| Input Power Requirements | 220V /380V , 50Hz/60Hz, 1PH/3PH                          |

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### Technical Specification

| Model          | Internal dimensions               | External dimensions               | Useful capacity |
|----------------|-----------------------------------|-----------------------------------|-----------------|
| ETSP-WTH 8000  | 2000 × 2000 × 2000 (W × D × H) mm | 2300 × 2600 × 2450 (W × D × H) mm | 8000 liters     |
| ETSP-WTH 15000 | 3000 × 2500 × 2000 (W × D × H) mm | 3300 × 3100 × 2450 (W × D × H) mm | 15000 liters    |
| ETSP-WTH 26000 | 3000 × 4000 × 2200 (W × D × H) mm | 3300 × 4600 × 2650 (W × D × H) mm | 26400 liters    |
| ETSP-WTH 36000 | 3000 × 4000 × 3000 (W × D × H) mm | 3300 × 4600 × 3450 (W × D × H) mm | 36000 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** R-23 or R404A (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
- Cable port and rubber plug
- Caster for moving
- Sloped stepping plate

### Options

- Low humidity kit
- Chart recorder
- D.A.S (Data acquisition system)
- Solar simulation
- Additional port hole and rubber plug
- Oven networking connection system (RS422/RS485)
- Customization available