

Temp. & Humidity Chamber ▶▶

ETSP-TH series

ETSP-TH series are climatic (temperature & humidity control) version chamber for durability or operating status of parts and products in extreme conditions.

Solved noise, bad humidity control and condensation, slow temperature/humidity variations, unbalanced air distribution inside the chamber.

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



ETSP-TH series

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.
- Network connection of several chambers to a single "master" control unit allowing centralized supervision both in local and remote mode.

Technical Features

Temperature range	-40°C ~ +180°C (single stage refrigeration system) -70°C ~ +180°C (cascade refrigeration system)
Temperature accuracy	less than $\pm 0.1^\circ\text{C}$
Temperature stability	less than $\pm 0.5^\circ\text{C}$ at steady state conditions
Temperature uniformity	less than $\pm 1\%$ of setpoint (less than $\pm 0.1^\circ\text{C}$ at 100°C)
Heat-up rate	0.5~5°C / min
Cooling rate	0.5~5°C / min
Humidity range	20% ~ 98% RH (10% ~ 98% RH is an optional spec.)
Humidity stability	less than $\pm 1.5\%$ RH at steady state conditions without heat dissipation in time
Humidity uniformity	less than $\pm 3.0\%$ RH
Condensing	Air cooled or water cooled type
Input Power Requirements	220V / 380V, 50Hz/60Hz, 1PH/3PH