Quality is more than a word

ESPEC

<Custom>

Large Type Air to Air Thermal Shock Chamber TSA Series

Thermal Shock Chamber for large and heavy components

Features

Meets international and automotive testing standards (2-zone shock testing – hot and cold)

IEC 60068-2-14 Na
ISO 16750-4
ISO 19453-4
LV 124 K-05/K-16
and more...

Thermal shock chamber with unique air damper system

Test samples with mechanical shock free
(Fixed test area type)

Continuous testing without defrosting is possible by a unique mechanism

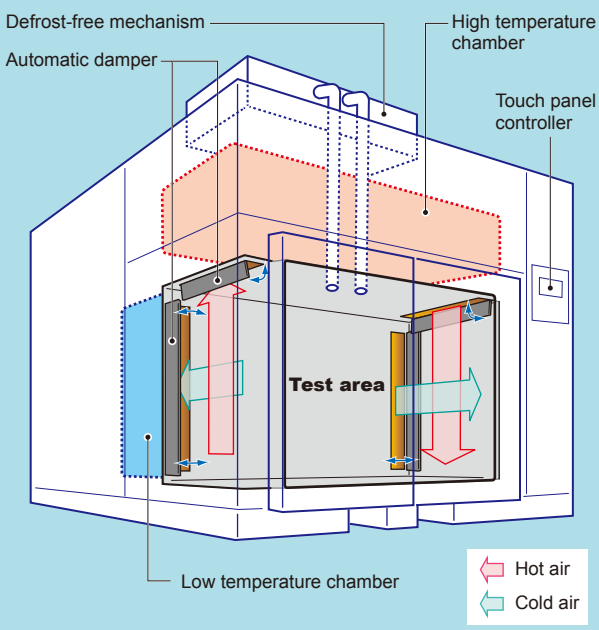
Defrost-free mechanism [patent 3514735]
(Standard feature)

3-zone shock testing is also available

One rapid temperature change rate chamber allows 3-zone shock testing - cold, hot or ambient

TSA-1650H-W

2-zone Air flow and defrost-free



Features

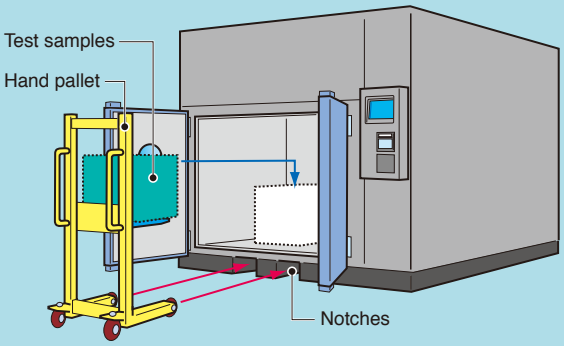
Experience innovative thermal shock testing

- Safety options for battery testing are available
- Environmental friendly refrigerant R-449A

Effective test preparation tips

- Designed to accommodate hand-lift truck for easier carry-in and carry-out of large and heavy components.
- Equipped with cable ports at a lower position to access test samples without a stepladder, enable to wiring a one-man-job.

Carring-in and out (image)



For Automotive, Battery, Electronics and Avionics.

* Reference image

Specifications

Model	TSA-1100H-W	TSA-1650H-W	TSA-2310H-W
High temperature range	+60°C to +200°C		
Low temperature range	–70°C to –10°C		
Test area capacity	1,100 L	1,650 L	2,310 L
Test area dimensions (mm)	W1,000×H1,100×D1,000	W1,500×H1,100×D1,000	W2,100×H1,100×D1,000
Allowable load	100 kg	200 kg	300 kg

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LEAF No.20191102 T12B01L00 (The contents of this catalog is as of December, 2019.)