

Damper type 3 zone thermal shock test chambers ETSP-TSD series

ETSP-TSD series (3 zone damper type thermal shock test chambers) are designed for thermal shock test of components or equipment, submitting them to rapid temperature changes. Therefore they are suitable for quality laboratories or in production plants for the screening of components or equipments.

ETSP-TSD series allows users to carry out wide range of tests necessary to determine thermal characteristics. It is possible to offer standard or custom-designed models.



ETSP-TSD series

General Features

- Rapid cooling with low noise level.
- Low level of vibration.
- Faster temperature recovery time.
- Fast thermal response with continuous and linear control over the whole range.
- Friendly, flexible, up-to date control and management systems.
- Allows easy servicing and upgrades.

Technical Features

- Temperature range: Hot zone Ambient ~200 °C
Cold zone -75 ~-10 °C
- Temperature accuracy: Less than ± 0.3 °C
- Temperature heat up rate; Ambient to 200°C within 45minutes.
- Temperature pull down rate: Ambient to -70°C within 45minutes.
- Temperature recovery time: 5~15 minutes
- Microprocessor controller including self-diagnostics warning message function .



ETSP Co., Ltd.

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Technical Specification

Model	Internal dimensions	External dimensions	Useful capacity
ETSP-TSD50	300 x 300 x 300 (W X D X H) mm	1,370 X 1,440 X 1,955 (W X D X H) mm	27 liters
ETSP-TSD100	400 x 400 x 400 (W X D X H) mm	1,470 x 1,540 x 2,055 (W X D X H) mm	64 liters
ETSP=TSD150	500 x 500 x 500 (W X D X H) mm	1,570 x 1,640 x 2,155 (W X D X H) mm	125 liters

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

Chamber dimensions are subject to change due to final design and specification.

- 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, compressor built-in protector, pressure , Electrical over current relay.



Included accessories

- Viewing window (heater wire including, reinforced window) and interior light
- RS232/485 oven networking With control software
- Spare parts kit

Options

- Chart recorder
- Door lock system
- Port hole and rubber plug
- Customization available



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