

○ Basket moving type Thermal shock chamber ETSP- TS series

A white and teal thermal shock chamber with two doors, each featuring a viewing window and the 'ETSP' logo. It has a control panel on the right side with a digital display and various buttons. The unit is mounted on casters.

Product Intro

ETSP-TS series (basket moving type) are designed for thermal shock test of components or equipment, submitting them to rapid temperature changes. Therefore they are suitable for quality control laboratories or in production plants for screening of components or equipments. ETSP-TS series allows users to carry out a wide range of tests necessary to determine thermal characteristics. It is possible to offer standard or customer-designed models.

General Features

- Rapid cooling with low noise level
- Low level of the vibration
- Friendly, flexible, up-to date control and management systems
- High reliability and operator safety
- Reduced the air mixing between the cold and hot chambers
- Faster temperature recovery time
- Fast thermal response with continuous and linear control over the whole range
- RS232/485 data interface

Technical Features

Temperature range	Cold zone -65 ~ -10 ℃, hot zone +60 ~ +200 ℃
Hot zone pre-heating upper limit	Less than +230 ℃
Hot zone heat up rate	RT to +200 ℃ within 15 minutes
Cold zone pre-cool limit	-75 ℃
Cold zone cool-down rate	RT to -75 ℃ within 75 minutes
Temperature recovery time	within 5 minutes
Input power requirements	230V ±10%, 380V ±10%, 50Hz/60Hz, 1Ph/3Ph

Technical Specifications

Model	Basket dimensions	External dimensions	Basket capacity
ETSP-TS 50	300x300x300 (WxDxH) mm	1200x2100x1900 (WxDxH) mm	27 liters
ETSP-TS 100	400x400x400 (WxDxH) mm	1300x2200x2100 (WxDxH) mm	64 liters
ETSP-TS 150	500x500x500 (WxDxH) mm	1400x2500x2300 (WxDxH) mm	125 liters

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

- Controller : LCD touch screen programmable type (Max. 120 patterns, Max. 1,200 profile)
 - Automatic defrost system
 - Pneumatic or hydraulic cylinder
 - Cascade type refrigeration system (double cooling system)
- Safety devices : Leakage breaker, circuit breaker, overheat protector, compressor high and low pressure switch, Electrical over current relay, Motor reverse-prevention relay, emergency shut off switch.

Included accessories

- 2 baskets
- Automatic defrost
- End of cycle, Hi & low limit audible alarm
- RS232/485 interface
- Caster for moving
- Hard copy/soft copy instruction and maintenance manual