

Pressure Cooker Test Chamber **ETSP-PCT Series**



ETSP-PCT series are A pressure cooker test (PCT) tests also called an autoclave test or pressure pot test (PPOT). To assess the ability of a product to withstand severe temperature and humidity conditions. It is used primarily to accelerate corrosion in the metal parts of the product, including the metallization areas on the surface of the die. It also subjects the samples to the high vapor pressure generated inside the autoclave chamber.

ETSP-PCT series are manufactured according to the total quality procedures, in compliance with the ISO 9001 standard.

Included accessories

- End of cycle, Hi&low limit audible alarm
- Real time clock (Auto start)
- 12 feed through power terminals
- Two stainless steel shelves
- Caster for moving
- Cartridge type water reservoir with connector
- Hard copy / soft copy instruction and maintenance manual

Options

- Chart recorder
- Additional hermetic terminals for power application on for thermocouple
- Additional shelf
- Customization available



General Features

- Saturated humidity control
- Easy operation with programmable type LCD touch screen controller
- 12 specimen power terminals, additional feed-through terminals are available up to 60. (shut down the product power in the event of an alarm.)
- Automatic fill of the humidity water.
- Electric damping door with sliding tray.
- Door lock safety mechanism to prevent opening of the door while the door is pressurized
- Friendly, flexible, up-to date control and management systems.
- Allows easy servicing and upgrades.
- RS232/485 data interface

Specifications

Model	Internal dimesnions (mm)	Eternational dimensions (mm)			Useful capacity
	Depth	Width	Depth	Hight	
ETSP-PCT 48	350 ϕ x 500	850	950	1150	48 liters
ETSP-PCT 70	450 ϕ x 450	950	850	1000	70 liters
ETSP-PCT 183	650 ϕ x 600	1260	1360	1560	183 liters

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

Technical Features

Temperature range	+105 °C ~ +155 °C
Temperature stability	Less than \pm 0.5 °C
Humidity range	100% RH
Humidity stability	Less than \pm 1% RH
Pressure range	0.2 ~ 2.1 kgf
Heating up time	RT ~ 140 °C within 60 minutes
Input power requirements	220V / 380V, 50Hz/60Hz, 1PH/3PH (Changeable according to customer specification)

Safety devices

Leakage breaker, circuit breaker, overheat protector for chamber, over heat protector for stream tank, water low level switch, electrical over current relay, emergency shut off switch, pressure relief valve

Controller

5.7 ϕ touch screen LCD controller, 2CH control, multi input, multi output, alert output, stores up to 100 patterns Max. 2.400 segments (Max. 100 seg/pattern)