

○ PCT (Pressure Cooker Test) ETSP- PCT series



Product Intro

ETSP-PCT series are A Pressure Cooker Test (PCT) tests a Iso 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.

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 clamping 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

Technical Features

Temperature range	+105 °C ~ +155 °C
Temperature stability	Less than ± 0.5 °C
Humidity range	100% RH
Humidity stability	Less than ± 1% RH
pressure range	0.2 ~ 2.1 kgf
Heating up time	RT ~ 140 °C within 60 minutes
Input power requirements	230V/380V, 50Hz/60Hz, 1Ph/3Ph (Changeable according to customer specification)

Technical Specifications

Model	Internal dimensions	External dimensions	Useful capacity
ETSP-PCT 48	300(Φ)x500(D)mm	850x900x1260 (WxDxH) mm	48 liters
ETSP-PCT 70	450(Φ)x450(D)mm	950x850x1360 (WxDxH) mm	70 liters
ETSP-PCT 183	650(Φ)x600(D)mm	1150x1000x1560 (WxDxH) mm	183 liters

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

- Controller : 5.7"± touch screen LCD controller, 2Ch control, multi input, multi output, alert output, stores up to 100 patterns Max. 2,400 segments (Max. 100seg/pattern) RS232/RS485 data interface
- Safety devices : Leakage breaker, Circuit breaker, Overheat protector for chamber, Over heat protector for steam tank, Water low level switch, Electrical over current relay, Emergency shut off switch, Pressure relief valve

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 or for thermocouple
- Additional shelf
- Customization available