

高壓加速老化試驗機(PCT) Pressure Accelerated Aging Test Chamber (PCT)



產品用途：

廣泛應用於多層線路板，IC封裝，LCD螢幕，LED，半導體，磁性材料，鈹鐵硼，稀土等產品之密封性能的檢測，測試其製品的耐壓性，氣密性。

Application:

It's widely applied for the testing of sealing property for multi-layer circuit board, IC sealing package, LCD screen, LED, semi-conductor, magnetic materials, NdFeB, rare earths and magnet iron, in which the resistance to pressure and air tightness for above mentioned products can be tested out.

安全裝置：

內箱安全裝置：箱門若未關緊則機器無法啟動。
安全閥：當內箱壓力超過最大工作值自動排氣泄壓。
雙重過熱保護裝置：當內箱溫度過高時，機器鳴叫警報並自動切斷加熱電源。
門蓋保護：鋁合金材質製成可防止操作人員接觸燙傷。

Safety Device:

Safety device for the inner box: If the inner box is not full closed, the machine can not start
Safety Valve: When the inner box's pressure higher than the machine's undertake value, it will self-relieve.
Double overheat protection device: When inner box's temperature is too high, it will alarm, and Automatic cut off the heating power.
Cover protection: The inner box's cover is made of aluminum alloy, can protect the worker from scald.

特點：

- 具有自動加水功能並且在試驗過程中水位過低時自動補水。
- 試驗過程自動運轉至完成結束，使用簡便。溫度控制：LED數字型
- 溫度控制器可作精確試驗溫度之設定、控制及顯示。
- 計時器：LED數字型計時器，當箱內溫度到達後才開始計時以確保試驗完全。
- 精準的壓力：溫度錶隨時顯示箱內壓力與相對溫度。
- 運轉時流水器自動排出未飽和蒸氣以達到最佳蒸氣品質。
- 一體成型矽膠門墊圈，氣密度良好，且使用壽命長。試驗箱內經拋光處理經久耐用美觀不沾污。

Features:

- Automatic adding water function, and automatic filling water upon the water shortstorage while testing.
- Automatic operation to test process finished, easy to use.
- Temperature control: LED digital temperature controller can make accurate testing of temperature setting, control and display.
- LED digital timer, when the inner box's temperature reached the setting value, then start to time to ensure the test complete.
- Accurate pressure: temperature chart always shows the inner box's pressure and relative humidity.
- Water device is automatically discharge not saturated steam in order to achieve the best steam quality.
- A integrated silical gel door gasket, air tightness is very good, and long operation life.
- The inner box is mirror-polished, graceful and non-pollution

技術參數 Technical Parameters:

| 型號Model | PCT - 25 | PCT - 35 | PCT - 45 | PCT - 55 | PCT - 65 |
|---|--|--------------|--------------|----------------|----------------|
| 內部尺寸Φ×D (mm) Internal Dimension Φ×D (mm) | 300×250 | 350×450 | 450×550 | 550×650 | 650×750 |
| 外箱尺寸W×H×D (mm) External Dimension W×H×D (mm) | 750×1200×800 | 800×1250×800 | 900×1380×900 | 1050×1550×1100 | 1200×1700×1250 |
| 飽和蒸汽溫度範圍 Temperature Range of Saturated Steam | 飽和蒸汽溫度範圍：100°C~135°C(143°C為特殊選用型)， 使用溫度點：120°C壹個大氣壓，133°C兩個大氣壓； Temperature range of saturated steam : 100°C~135°C (143°C is special order) , temperature range : 120°C is 100Kpa/ 133°C is 200 Kpa ; | | | | |
| 相對壓力/絕對壓力 Relative Pressure/ Absolute Pressure | 相對壓力: 即壓力儀表顯示值； 絕對壓力: 壓力儀表顯示值加1個環境大氣壓 (即試驗箱內實際值)。 Relative pressure: display values indicated on the pressure gauge Absolute pressure: Value that add 100 Kpa based on display values indicated on the pressure gauge (The actual value in the inner box) | | | | |
| 飽和蒸汽溫度、飽和蒸汽濕度、壓力對照表 Comparison Table of Temperature, Humidity, Pressure of Saturated Steam | | | | | |
| 飽和蒸汽濕度 Humidity of Saturated Steam | 100% R.H. 飽和蒸汽濕度 100% R.H. saturation steam humidity | | | | |
| 使用蒸氣壓力(絕對壓力) Steam Pressure (Absolute Pressure) | 0.0Kg / cm ² ~2.0Kg / cm ² (+101.3Kpa) ; (3.0Kg / cm ² 屬於特殊規格) 0.0Kg / cm ² ~ 2.0Kg / cm ² (+101.3Kpa) ; (3.0Kg / cm ² is special standard) | | | | |
| 循環方式 Recursive Device | 水蒸氣自然對流循環 Steam natural convection circulation | | | | |
| 安全保護裝置 Safety Protective Device | 缺水保護，超壓保護。(具有自動/手動補水功能，自動瀉壓功能) Water shortage protect, over pressure protect.(have automatically/manual water replenishing, automatically discharge pressure function) | | | | |
| 配件/Accessories | 不銹鋼隔板兩層 Two layers stainless steel plate | | | | |
| 設備容積(L) Equipment Capacity(L) | 17 | 43 | 87 | 155 | 250 |
| 電源/Powder | AC220V ; 1φ 3線 ; 50/60HZ AC220V ; 1φ 3 Lines ; 50/60HZ ; | | | | |