

ASLI Pressure Cooker Test (PCT chamber/unsaturation type)



(PCT chamber/unsaturation type) Pressure Cooker Test

Application:

Pressure Accelerated Aging Test Chamber (PCT) is 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.

Safety device:

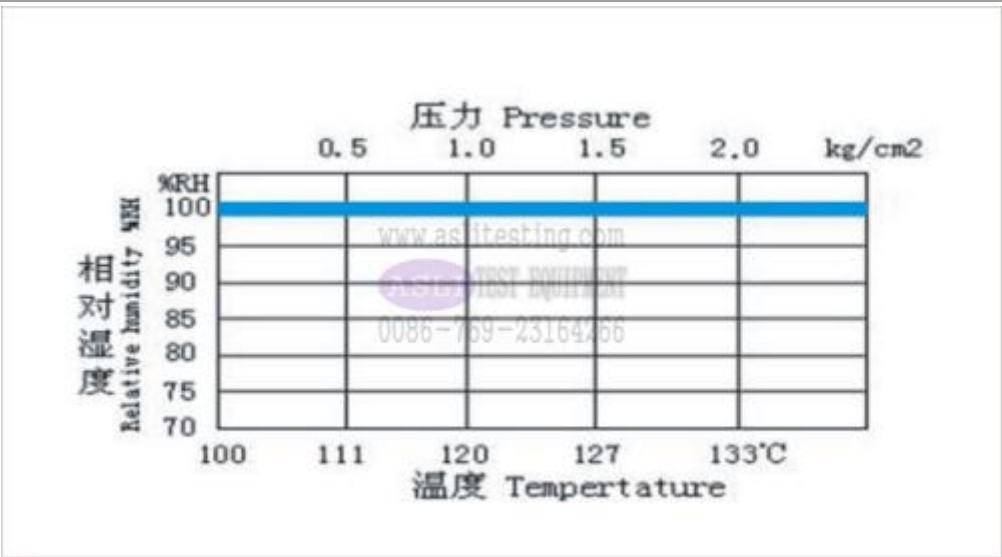
1. Safety device for the pot: If the inner box is not closed , the machine can not start
2. Safety Valve: When the inner box's pressure higher than the machine's undertake value, it will self-relieve.
3. Double overheat protection device: When inner box's temperature is too high, it will alarm, and Automatic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

Features:

1. Automatic adding water function, and automatic filling water upon the water short storage while testing.
2. Automatic operation to test process finished, easy to use.
3. Temperature control: LED digital temperature controller can make accurate testing of temperature setting, control and display.
4. LED digital timer, when the inner box's temperature reached the setting value, then start to time to ensure the test complete.
5. Accurate pressure: temperature chart always shows the inner box's pressure and relative humidity.

6. Water device is automatically discharge not saturated steam in order to achieve the best steam quality.
7. A integrated silic gel door gasket, air tightness is very good, and long operation life.
- 8.The inner box is mirror-polished , graceful and non-pollution

Technical Parameters:

Model	PCT - 25	PCT - 35	PCT - 45	PCT - 55	PCT - 65																
Internal Dimension Φ×D (mm)	300×250	350×450	450×550	550×650	650×750																
External Dimension Φ×D (mm)	750×1200×800	800×1250×800	900×1380×900	1050×1550×1100	1200×1700×1250																
Temperature Range of Saturated Steam (Operating temperature)	(Temperature Rangeof Saturated Steam:100°C~135°C) ,Temperature Range: 120°C,100Kpa/ 133°C 200 Kpa;(143°Cis special order)																				
Relative Pressure/ Absolute Pressure	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)																				
Comparison Table of Temperature, Humidity , Pressure of Saturated Steam	 <table border="1"> <thead> <tr> <th>Relative humidity %RH</th> <th>Temperature °C</th> </tr> </thead> <tbody> <tr> <td>100</td> <td>100</td> </tr> <tr> <td>95</td> <td>111</td> </tr> <tr> <td>90</td> <td>120</td> </tr> <tr> <td>85</td> <td>127</td> </tr> <tr> <td>80</td> <td>133</td> </tr> <tr> <td>75</td> <td></td> </tr> <tr> <td>70</td> <td></td> </tr> </tbody> </table>					Relative humidity %RH	Temperature °C	100	100	95	111	90	120	85	127	80	133	75		70	
Relative humidity %RH	Temperature °C																				
100	100																				
95	111																				
90	120																				
85	127																				
80	133																				
75																					
70																					
Humidity of Saturated Steam	100%RH saturation steam humidity																				
Steam Pressure(Absolute Pressure)	101.3Kpa +0.0Kg/cm ² ~ 2.0Kg/cm ² (3.0Kg/cm ² is special standard)																				
Recursive Device	Steam Natural convection circulation																				
Safety Protective Devise	Water short storage protect, over pressure protect. (have automatically/manual water																				

	replenishing, automatically discharge pressure function)				
Accessories	Two layers stainless steel plate				
Equipment Capacity(L)	17	43	87	155	250
Powder	AC 220V, 1 ϕ 3 Lines ,50/60HZ ;				