

Cyclic Corrosion Test (CCT) Cabinet 1280L

BGD 887-T

Product Description

For most artificial accelerated tests in laboratory, getting a consistent testing results with outdoor is the most important purpose. Prior to cyclic corrosion testing, conventional salt spray (a continuous salt spray at 35°), was the most popular way to simulate corrosion in a lab. Because conventional salt spray methods failed to simulate the natural wet/dry cycles of the outdoors, test results frequently provided poor correlation to outdoors. In order to better simulate the complex and changeable external natural environment, the cyclic corrosion test has gradually been considered as an important and effective method for the life assessment of industrial products.

The Cyclic Corrosion Test Cabinets are also called CCT Cabinets. Some industrial products need to be exposed to repeated cyclic salt spray, dry and static environment with high humidity and low humidity. These tests were initially switched between several test chambers manually. The multi-functional Cyclic Corrosion Test Cabinets solves this problem well, and realizes the automatic test of these cycles in a chamber.



Standards

- GB/T 1771-2007
- GB/T 31588.1-2015/ISO1997-1:2005
- GB/T 2423.17-2008GB/T 2423.18-2000
- GB/T 2423.3-2006/IEC6008-2-78-2001
- GB/T 5170.8-2008
- GB/T 10125-1997
- GB/T 10587-2006
- GB/T 12000-2003
- GB/T 20853-2007/ISO 16701:2003
- GB/T 20854-2007/ISO14993:2001
- GB/T 24195-2009/ISO16151:2005

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Main Technical Parameters

	BGD 886-T	BGD 887-T	BGD 888-T
Working Room Size (WxDxH) in mm	1200x800x1000	1600x800x1000	2000x800x1200
Working Room Capacity (excl. V-Shaped cover)	960L	1280L	1920L
Overall Size (WxHxD,mm)	2500x1650x1220	2900x1650x1220	3300x1720x1420
Power/Max. Current	30.8kW/37A	30.8kW/37A	30.8kW/40A
Power Supply	AC 380V 3-phase 37A	AC 380V 3-phase 37A	AC 380V 3-phase 40A
Temperature Range	20°C-70°C (Continuously adjustable)		
Temperature Uniformity	≤2°C(When RH ≥ 75%); ≤3°C (When RH <75%)		
Temperature Stability	±0.5C		
Temperature Rise and Fall rate of Working Room Saturation Barrel	≥ 1°C/min (Whole process average)		
Humidity Range	20%~98%		
Humidity Uniformity	≤ 2%RH~3%RH (When RH ≥ 75%); ± 5% RH (When RH<75%)		
Humidity Stability	± 2% RH		
Salt Fog Precipitation	1ml~2ml/ 80cm ² .h (Adjustable)		
Spray Method	Continuous or Cyclical		
Required Work Environment	Temp: 5~30°C; RH: 45%~85%RH; Barometric Pressure: 86kPa~106kPa		
Required Air Supply	Air consumption: 4m ³ /h, Pressured air without water and oil which has been dried and filtered, pressure is (0.4~0.8)Mpa		
Required Water Supply	It meets the secondary water standard specified in GB/T 6682-2008 water specification and test method standard for analytical laboratory. The water supply pressure is within the range of 0.1MPa ~ 0.4MPa. The instrument reserves 1/4" internal teeth for water supply interface. Note: Distilled water or deionized water is required for preparing spray solution, water consumption is near 60L/24hour under continuous spraying		
Exhaust and drainage	The exhaust pipe of the instrument shall be extended to the outdoor designated position, and shall be led out of the room through opening in the wall near the instrument installation. The exhaust pipe shall not be kept unblocked without water. The exhaust pipe diameter shall be Φ 50mm; The instrument drainage pipeline shall be extended to the outside, and the drainage pipeline shall be unblocked. The drainage outlet shall be lower than the instrument drainage outlet, and the drainage pipe diameter shall be Ø 1/2"		

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