



EWJ Series

High/Low Temperature & Humidity Test Chamber

Description:

Environmental simulation chamber for testing materials by simulating conditions at desired temperature and humidity levels

This series of test chambers are designed to meet demanding testing needs while keeping operation efficient and quiet. Each test chamber benefits from a 3D-engineered design that refines the internal structure, airflow system, and cooling performance. These improvements help achieve consistent results, reduce energy consumption, and maintain low noise during operation, making them a dependable choice for temperature and humidity evaluations across different industries.

Our temperature and humidity test chamber models comply with the following standards:

EN IEC 61000-6-2:2019

EN IEC 61000-6-4:2019

EN 61010-1:2010+A1:2019

Typical Test Applications

- High-temperature exposure
- Low-temperature testing
- Constant temperature and humidity conditions
- Alternating high and low temperatures
- Combined temperature and humidity cycling

* For air-cooled models, performance specifications are based on an ambient temperature of +25°C and relative humidity of ≤85% measured with the chamber empty. For water-cooled models, reference conditions are an ambient temperature between +15°C and +35°C, relative humidity of ≤85%, and cooling water temperature of ≤+28°C, also measured without test samples inside the chamber.

Model									
		EW/T0140J	EW/T0240J	EW/T0440J	EW/T1040J	EW/T0180J	EW/T0280J	EW/T0480J	EW/T1080J
with humidity---EW									
without humidity---ET									
Chamber volume (L)		100	200	400	1000	100	200	400	1000
Performance	Temperature range	-40°C ~ +180°C				-80°C ~ +180°C			
	Temperature fluctuation	≤0.5°C							
	Temperature deviation	±1.5°C (≤150°C时) 、 ±2°C (>150°C时)							
	Temperature uniformity	2°C (≤150°C时) 、 3°C (>150°C时)							
	Humidity deviation (only humidity type)	(20~98%)RH / (10~98) °C							
	Relative humidity deviation (only models with humidity control)	±2.0%RH(humidity >75%RH时) , ±3.0%RH(≤humidity75%RH时)							
	Temperature rise rate	-35→+150 °C	-40→+150°C			-70→+150°C			
		≤45min	≤45min		≤60min	≤50min			
Temperature drop rate	+20→-35°C	+20→-40°C			+20→-70°C				
	≤45min	≤40min	≤60min		≤70min				
Internal dimensions (mm)	W	500	500	600	1000	500	500	600	1000
	H	480	730	830	980	480	730	830	980
	D	500	600	800	1000	500	600	800	1000
External dimensions (without protrusion) (mm)	W	700	700	800	1200	700	700	800	1200
	H	1581	1786	1886	2036	1581	1786	1886	2036
	D	1479	1507	1707	1928	1479	1507	1707	1928
Power supply		380V (three phase four wire + protective grounding wire)							
Condensing method		Air-cooled/water-cooled							