

# Temperature and Climate and Low Air Pressure Test Chambers

Global Leading Integrated Solution Provider for Environmental and Climatic Simulation Test

## Features

- High-performance water ring vacuum pump controls low pressure.
- Fashionable design of modular construction.
- 7" colour touch screen display and 32 bit control system; interface Ethernet/USB.
- Optional APP mobility management.
- Built-in radiation shield ensures temperature homogeneity in low air pressure.
- Intelligent and independent protection design for overload, overheat, powersupply abnormality, overvoltage, component malfunction monitoring.
- Customer-friendly software functions: intelligent power-recovery restoration, auto-connect on memory and auto-reset restart.
- Optional network video monitoring and data synchronization.
- Customer-friendly design: observation window in testing space with a reality visualization for real-time monitoring. (Patented)
- Automatic water supply with ultrapure filter devices (optional) ; water shortage reminder function.
- Intelligent and high-performance servo refrigerating control technology: energy saving and rapid heating/cooling rate.
- Unique operation mode: make testing area's temperature back to room temperature after tests are finished.
- Automatic reminder of equipment maintenance plans and software of recording malfunction.
- Optional remote-assist service function and teaching CDs.

## Specifications

Temperature Chambers	ETQ7025	ETQ7050	ETQ7100	ETQ7200
Climate Chambers	ECQ7025	ECQ7050	ECQ7100	ECQ7200
Test Space Volume (L)	250	500	1000	2000
Temp. Test Parameters:				
Temp. Range (°C)	-70~+150			
Temp. Constancy (°C)	±0.1~±0.8 (Atmospheric Pressure No Load)			
Temp. Homogeneity (°C)	±0.5~±2.0 (Atmospheric Pressure No Load)			
Temp. Accuracy (°C)	±2.0 (Atmospheric Pressure No Load)			
Heat Up Time (min) (+ 20°C to ~150°C)	60	60	50	60
Cooling Down Time (min) (+ 20°C to ~60°C)	90	80	60	80
Pressure Range (Kpa)	Atmospheric Pressure ~1.0 Atmospheric Pressure ~0.5			
Pressure Accuracy (Kpa)	±2 (Atmospheric Pressure ~40KPa); ±5%(40KPa~4KPa); ±0.1(4KPa~1KPa)			
Pressure Release Time (min)	45(Atmospheric Pressure→1KPa)			
Rapid Release of Pressure Function (optional)	Pressure Release Range: 75.2KPa → 18.8KPa; Pressure Release Time: 15sec			
Climate Test Parameters for ECQ series:				
Temp. Range (°C)	+10~+95			
Temp. Constancy (°C)	±0.1~±0.8 (Atmospheric Pressure No Load)			
Temp. Homogeneity (°C)	±0.1~±2.0 (Atmospheric Pressure No Load)			
Humid. Range (%RH)	(10) 20-98 (Atmospheric Pressure No Load)			
Humid. Constancy (%RH)	±1~±3 (Atmospheric Pressure No Load)			
Test Space Dimension (mm)	600W×600D×700H	800W×700D×900H	1000W×1000D×1000H	1400W×1200D×1200H
External Dimension (mm)	1000W×1800D×1880H	1500W×2750D×1900H	1400W×3250D×2000H	1810W×3710D×2310H
Power	AC380V±10%, 50HZ, 3/N/PE			
Cooling Methods	Water-Cooled			

## Options

- Independent sensors for specimen protection (NE60519-2.1993)
- 1 Entry port Φ50mm
- Nitrogen gas auxiliary device
- Spare parts package
- E-management and cyber-software
- Video monitor system
- APP for mobility management
- Rapid release of pressure device
- Rapid recovered pressure device

## Standard Version

- 1 Set testing electrode
- Electronic temperature and humidity sensors