

## Environment Chamber



### Introduction

The Environmental Chamber is a high-precision testing unit designed to simulate controlled temperature conditions for laboratory and industrial applications. It ensures stable, uniform, and reliable performance for testing materials, pharmaceuticals, biological samples, and electronic components.

Equipped with an advanced digital control system, efficient cooling and heating mechanisms, and durable construction, the chamber delivers accurate and repeatable results. Ideal for research laboratories, quality control departments, universities, and industrial testing facilities, it provides dependable environmental simulation in a compact and user-friendly design.

## Features:

1. Microprocessor PID control, accurate and stable.
2. Magnetic door sealing.
3. LED display for BJPX-A series, LCD display for BJPX-All and AllI series.
4. CFC-free refrigerant, eco-friendly and highly efficient.

## Technical Specification:

Model	QC-250A/II	QC-300A/II	QC-350A/III	QC-400A/II
Capacity	248L	290L	300L	402L
Temp. sensor	PT100			
Temp. Range	With illumination: 10~50°C, Without illumination: 5~50°C		With illumination: 10~50°C, Without illumination: 4~50°C	With illumination: 10~50°C, Without illumination: 5~50°C
Temp. Fluctuation	±0.5 °C		±1°C	±0.5 °C
Temp. Uniformity	±2°C			
Temp. Precision	0.1°C			
Timing Range (min/h)	0~99			
Humidity Range	With illumination: 50~80%RH (18~45°C); Without illumination: 50~90%RH (15~45°C)		50~90%RH	With illumination: 50~80%RH (18~45°C); Without illumination: 50~90%RH (15~45°C)
Humidity Control Accuracy	±1%RH			
Humidity Control Fluctuation	±3%RH		±5~7%RH	±3%RH
Light (Lux)	QC-250A/300A/400A: 0~6000 Lux (6-grade adjustable) QC-250AII/300AII/400AII: 0~12000Lux (5-grade adjustable) QC-350III: 0~20000(6-grade adjustable)			

Working Environment	5~30°C			
Power Supply	QC-A and All series: AC 220V, 50/60Hz (Standard); 110V, 50/60Hz (Optional, external transformer) QC-All: AC 220V, 50Hz (Standard); 110V, 50Hz, 110V, 60Hz, 220V, 60Hz (Optional)			
Consumption	2400W	2900W	1500W	3400W
Shelf	3			
Standard Accessory	Shelves			
Optional Accessory	RS485, RS485 to USB switching port, thermal printer, external temperature protection device, external temperature SMS alarm module	U disk, RS485/232, printer (three can only choose one), CO <sub>2</sub> controller	RS485, RS485 to USB switching port, thermal printer, external temperature protection device, external temperature SMS alarm module	
Internal Size(W*D*H)	470*449*1178 mm	490*464*1278mm	520*550*1140mm	560*600*1198mm
External Size(W*D*H)	672*892*1825 mm	691*907*1925mm	830*850*1850mm	764*1032*1860mm
Package Size(W*D*H)	750*960*1960 mm	770*970*2090mm	950*930*2100mm	850*1100*2010mm
Gross Weight	A250: 185kg A250II: 187kg	A300: 195kg A300II: 197kg	300kg	230kg