

Digital Plant Growth Chamber



Applications:

This Plant Growth Chamber is suitable for plant growth and culture, seed germination experiment, plant cultivation, seedling, culture and preservation of microorganisms, performance testing of medicinal materials, wood and building materials, the feeding of insects and small animals, quality inspection of industrial products and constant temperature and humidity and illumination experiments in other usages.

Product Features:

- The shell of Artificial Climate Incubator is made of high-quality steel plate, the surface of which is firmly painted with electrostatic spraying paint film, with beautiful appearance. The studio is made of high-quality stainless-steel plate, which is anti-corrosion and anti-aging, with arc transition around the inner tank.
- Intelligent microcomputer control system, accurate and reliable temperature control.
- Brand compressor is fluorine-free and environmentally friendly, with breeze circulation to ensure uniform temperature inside the box.
- Balanced control of cooling and heating ensures small temperature fluctuation and more accurate temperature control.
- Intelligent frost system to ensure that the machine does not frost when running for a long time.
- The front door has an independent glass door, which is transparent and beautiful, convenient for observing the changes of the items in the box. Magnetic tape seal, easy to open, good seal.

- Adopt steam humidification, humidity control humidity stable, humidity fluctuation range: $\pm 3\%RH$, with automatic water replenishment, water shortage and power off function, to prevent the machine from burning out due to water shortage.
- With one-button drainage function, press the drainage button to discharge water after shutdown.
- Equipped with compressor overheat protection, instrument failure protection and other safety measures to ensure the safety of the experiment.
- Programmable control mode, set 30 segments of illumination, temperature and humidity, and automatically adjust the conversion.
- Can install printer, 485 interface, U disk storage, SMS alarm and other functions.

Technical Specifications:

Model	QC-DPG-80F	QC-DPG-150F	QC-DPG-250F	QC-DPG-350F
Capacity (Litres)	80L	150L	250L	350L
Lighting Type	QC-DPG series: 4-side illumination.			
Temp. Range	With illumination: 10~65°C, Without illumination: 5~65°C			
Temp. Fluctuation	$\pm 2\% RH$			
Temp. Uniformity	$\pm 2^{\circ}C$			
Illuminance	0-18000LX			
Humidity Range	45%~95%RH			
Lighting Illumination	QC-DPG 300: 0-20000 (6-Grade Adjustable)			
Ambient Temp.	5~35°C			
Continuous Working Time	$\geq 180h$			
Shelves	3 pcs/adjustable			
Consumption	600W	800W	1000W	1200W
Power Supply	QC-DPG Series: AC220V, 50Hz (Standard) or 110V 60Hz			
Internal Size (W*D*H) mm	420*420*520	420*520*760	510*555*920	590*610*1080
External Size (W*D*H) mm	630*680*1170	650*780*1450	750*835*1600	820*880*1680
Net/Gross Weight (kg)	75/85	199/117	130/145	165/180