



Bluepard Instruments Co., Ltd.  
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## **Plant Growth Chamber**

### **Microprocessor controller (with timing function)**

Summary:

Widely applied in cultivation of biological histolytic, seed gemmating, breeding test, plant cultivation and feeding of insects and beasties. The incubators can simulate different climatic conditions accurately.

Features:

- Microprocessor controller for temperature and humidity ensures of precise and reliable control.
- Simulate changing temperature and light in day/night
- Independent temperature-limiting alarm system ensures experiments run safely.
- Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning, and the space between the shelves in the chamber is adjustable.
- Even air circulation
- Imported compressor
- RS485 connector is option which can connect computer to record the parameters and the variations of temperature.(option)



## Specifications

Model	Without humidity control						With humidity control		
	MGC-100 MGC-100P	MGC-250 MGC-250P	MGC-300A	MGC-300B MGC-350BP	MGC-400B MGC-450BP	MGC-800B MGC-800BP	MGC-300H MGC-350HP	MGC-400H MGC-450HP	MGC-800H MGC-850HP
Display Resolution	100L	250L	300L	300L	450L	800L	300L	450L	800L
Temperature Uniformity	220V 50HZ					380V 50HZ	220V 50HZ		380V 50HZ
Shaking Speed Range	1500W	1750W	1200W	1450W	2000W	3650W	1500W	2050W	4100W 3700W
Temperature Range	Without Lighting:4~50°C With lighting:10~50°C						Without Lighting:4~50 °C With lighting:10~50°C		
Display Resolution	0.1°C						0.1°C		
Temperature Stability	±1°C						±1°C		
Temperature Uniformity	±1.5°C		±2°C				±2°C		
Ambient Temperature	+5~30°C						+5~30°C		
Humidity Range	-						50~90%RH		
Humidity Accuracy	-						±5~7%RH		
Continuous Working Time	No less than 180h						No less than 180h		
Lighting Intensity	0~12000LX Four-grade adjustable		0~15000LX Four-grade adjustable	0~20000LX Four-grade adjustable	0~25000LX Four-grade adjustable	0~30000LX Four-grade adjustable	0~20000LX Four-grade adjustable	0~25000LX Four-grade adjustable	0~30000LX Four-grade adjustable
Interior Dimension (W×D×H)mm	550×400×550	600×610×830	520×550×1140		700×550×1140	965×580×1430	520×550×1140	700×550×1140	965×580×1430
Exterio Dimension (W×D×H)mm	650×800×1310	760×815×1550	830×850×1850		950×850×1850	1475×890×1780	830×850×1850	950×850×1850	1475×890×1780
Shelves	3(PCS)								

\*P\*:programming

### Options:

- CO<sub>2</sub> inlet
- CO<sub>2</sub> controller (imported IR CO<sub>2</sub> sensor)

•RS485 connector

