

## Lighting Incubator/ Artificial climate

-----Intelligentized and programmable

### Summary:

Latest intelligentized and programmable lighting incubator and artificial climate incubator integrate successful experience of our company in plant and crop cultivation field, which break through the defect of the existing lighting incubators and artificial climate incubators that are unable to run continuously. (The cultivation duration for some farm crops is 3-6 months or even more with the running of incubators uninterrupted). Compared with common types, the latest incubators are characterized by security, reliability and long-term running without interruption. This Incubator Use Freon-Free Compressor to protect environment.

### Features:

1. Microprocessor for temperature, humidity, lighting control can set 30 programmed at most. Time range is 1-99 hours for each programmed. The incubators can simulate the temperature and humidity's change of day and night. You can also select suitable growth surroundings with enough and stable light. It can simulate natural multi-directional light perfectly.
2. Giant-screen LCD(38\*130), menu type operating interface, groups-data display in one screen, easily operation.
3. Two imported compressors alternate intelligently to ensure a continuous long working; 134a refrigerant, highly efficient with low energy consumption that promotes energy conservations.
4. With mirror surface in stainless steel, foursquare semicircle transition, shelf support handling freely, easy for cleaning within the case.
5. Independent temperature-limited alarm system can automatically interrupt when it is over limit temperature, ensuring the safe operation of the experiment, with no accident. (Option)
6. RS485 connection may link with computer to record data and control experiment. (Optional)
7. MGC-250BP-2 can equipped with lighting in top.

### Specification:

Model	MGC-250BP-2	MGC-350BP-2	MGC-350HP-2	MGC-450BP-2	MGC-450HP-2
	MGC-250BPY-2	MGC-350BPY-2	MGC-350HPY-2	MGC-450BPY-2	MGC-450HPY-2
Cubage	250L	300L		450L	
Temperature Range	With lighting:10~50°C Without Lighting:0~50 °C				
Temperature Control	0.1°C				
Temperature Stability	±0.1°C				
Humidity Range			50~90%RH		50~90%RH
Humidity Precision			±3   5# PF		±3   5# PF
Lighting Intensity	0~12000LX	0~20000LX		0~25000LX	
Programmer Function	Temperature, humidity, lighting can be set separately, and 30 programmed can be set at most. Time range is 1~99 hours for each programmed.				
Input Power	860W	1700W		2100W	
Electrical Requirements	AC220V 50HZ (110V 60Hz Option)				
Ambient Temperature	+5~35°C				
Continuous Running Time	Long-term continuous running (two sets of full sealed compressors for automatic alternative shift).				
Interior Dim W*D*H (mm)	580*510*385	520*550*1140 mm		700*550*1140 mm	
Overall Dim W*D*H (mm)	722*738*1550	830*850*1850 mm		950*850*1850 mm	
Shelves per Chamber (Normal)	3(pcs)				

Note: "BPY-2" is LCD Display programmable Lighting Incubator. "HPY-2" is programmable Artificial Climate Incubator.

"Y" is LCD display controller series.