

# Plant Growth Chamber LPGC-B1 Series



## PLANT GROWTH CHAMBER LPGC-B1 SERIES

Plant Growth Chamber LPGC-B1 Series with 250 L/ 350 L/ 450 L/ 800 L/ 1000 L capacity is used to study or simulate different climatic conditions accurately. Offers without lighting: 0 to 50°C, with lighting: 10 to 50°C temperature range, without any humidity controller. Designed with double wall highly insulated stainless steel inner chamber with semi-circular arcs at its corners for easy cleaning.

### Features

- Microprocessor controller for temperature, and light intensity, 30 programs
- Large LCD screen
- Lighting intensity: 0 to 12000 LX Four-grade adjustable LPGC-B10
- Lighting intensity: 0 to 25000 LX Four-grade adjustable LPGC-B11
- Lighting intensity: 0 to 30000 LX Four-grade adjustable LPGC-B12
- Lighting intensity: 0 to 35000 LX Four-grade adjustable LPGC-B13
- Lighting intensity: 0 to 35000 LX Four-grade adjustable LPGC-B14
- Simulates change in temperature and light in day/night accurately
- Double wall insulated chamber with semi-circular arcs
- 3 pcs of shelves
- R134a as a refrigerant
- 02 imported compressors, continuous running time

### Applications:

Plant growth chambers are widely used in agriculture field, green room, environmental science for seed germination, breeding test, plant cultivation, and feeding of insects test etc. purpose.

## PLANT GROWTH CHAMBER LPGC-B1 SERIES

### Specifications

MODEL NO.	LPGC-B10	LPGC-B11	LPGC-B12
Chamber Volume	250 L	350 L	450 L
Shelves	3 (pcs)		
Display Resolution	0.1°C		
Temperature Range	Without Lighting: 0 to 50°C With lighting: 10 to 50°C		
Temperature Stability	± 1°C		
Temperature Uniformity	± 1.5°C		
Ambient Temperature	RT+5°C to 30 °C		
Humidity Range	No humidity controller		
Humidity Accuracy	No humidity controller		
Continuous Working Time	No less than 180 h		
Lighting Intensity	0 to 12000 LX Four-grade adjustable	0 to 20000 LX Four-grade adjustable	0 to 25000 LX Four-grade adjustable
Lighting type	Shelves illumination	Three surface illumination	
Interior Dimension (W × D × H)	580 × 510 × 835 mm	520 × 550 × 1140 mm	700 × 550 × 1140 mm
Exterior Dimension (W × D × H)	725 × 740 × 1550 mm	830 × 850 × 1850 mm	950 × 850 × 1850 mm
Power Consumption	1700 W	1700 W	2000 W
Power	220 V 50 Hz		

## PLANT GROWTH CHAMBER LPGC-B1 SERIES

### Specifications

MODEL NO.	LPGC-B13	LPGC-B14
Chamber Volume	800 L	1000 L
Shelves	3 (pcs)	
Display Resolution	0.1°C	
Temperature Range	Without Lighting: 0 to 50°C With lighting: 10 to 50°C	
Temperature Stability	± 1°C	
Temperature Uniformity	± 2.0°C	
Ambient Temperature	RT+5°C to 30 °C	
Humidity Range	No humidity controller	
Humidity Accuracy	No humidity controller	
Continuous Working Time	No less than 180 h	
Lighting Intensity	0 to 30000 LX Four-grade adjustable	0 to 35000 LX Four-grade adjustable
Lighting type	Shelves illumination (02 shelves)	
Interior Dimension (W × D × H)	965 × 580 × 1430 mm	900 × 580 × 1600 mm
Exterior Dimension (W × D × H)	1475 × 890 × 1780 mm	1410 × 890 × 1950 mm
Power Consumption	3700 W	3800 W
Power	380 V 50 Hz	

### Optional Accessories:

- CO2 inlet
- CO2 controller
- RS485 connector
- Independent temperature-limiting alarm system