

# Plant Growth Chamber LPGC-A1 Series



## PLANT GROWTH CHAMBER LPGC-A1 SERIES

Plant Growth Chamber LPGC-A1 Series with 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, and 50 to 90 % RH humidity range. 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, humidity, and light intensity, 30 programs
- Large LCD screen
- Lighting intensity: 0 to 20000 LX Four-grade adjustable LPGC-A10
- Lighting intensity: 0 to 25000 LX Four-grade adjustable LPGC-A11
- Lighting intensity: 0 to 30000 LX Four-grade adjustable LPGC-A12
- Lighting intensity: 0 to 35000 LX Four-grade adjustable LPGC-A13
- 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-A1 SERIES

### Specifications

MODEL NO.	LPGC-A10	LPGC-A11	LPGC-A12	LPGC-A13
Chamber Volume	300 L	450 L	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	± 1.5 °C		± 1.5 °C	
Ambient Temperature	RT+5°C to 30 °C			
Humidity Accuracy	± 5 to 7 % RH			
Continuous Working Time	No less than 180 h			
Lighting Intensity	0 to 20000 LX Four-grade adjustable	0 to 25000 LX Four-grade adjustable	0 to 30000 LX Four-grade adjustable	0 to 35000 LX Four-grade adjustable
Lighting type	Three surface illumination		Shelves illumination (02 shelves)	
Interior Dimension (W × D × H)	520 × 550 × 1140 mm	700 × 550 × 1140 mm	965 × 580 × 1430 mm	900 × 580 × 1600 mm
Exterior Dimension (W × D × H)	830 × 850 × 1850 mm	950 × 850 × 1850 mm	1475 × 890 × 1780 mm	1410 × 890 × 1950 mm
Power Consumption	1700 W	2050 W	3700 W	3800 W
Power	220 V 50 Hz		380 V 50 Hz	

### Optional Accessories:

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