

Plant Growth Chamber

PGC series Plant Growth Chamber is designed with constant temperature and humidity for controlled growth of plants. It can simulate high light intensities which fulfils the light requirements of sample plants. With all these features it enables you to maintain required growth conditions for plant growth.



Technical Specifications

| Model | PGC-200 | PGC-300 | PGC-400 | PGC-500 | PGC-600 | PGC-800 | PGC-1200 | PGC-1500 |
|-------------------------|---|-----------|-----------|-----------|-----------|-----------|------------|------------|
| Capacity in liters | 200 | 300 | 400 | 500 | 600 | 800 | 1200 | 1500 |
| Inner size WxDxH cm | 42x40x120 | 50x50x120 | 60x56x120 | 60x70x120 | 70x72x120 | 80x85x120 | 100x91x120 | 140x90x120 |
| Controller | 30-segment programmable microcomputer PID intelligent automatic control system | | | | | | | |
| Temperature range | With Light 10 ~ 65 °C/no light at 0 ~ 60 °C | | | | | | | |
| Temp. Accuracy | ±0.1°C | | | | | | | |
| Temp. Uniformity | ±2.0°C | | | | | | | |
| Humidity range | With illumination: 50%~80%, without illumination: 50%~90% Light Off up to 90% RH at ± 5% RH | | | | | | | |
| Humid. fluctuation | ±5% | | | | | | | |
| Lighting Illumination | 0 ~ 12000 Lux (adjustable in five levels) | | | | | | | |
| Continuous Working Time | 0 ~ 9999 minutes/Hr | | | | | | | |
| Cooling method | Refrigeration and air cooling by Imported Dual Compressor | | | | | | | |
| Controller | Intelligent Fuzzy PID | | | | | | | |
| Display | LCD | | | | | | | |
| Material | SS304 inside / Powder coated MS outside | | | | | | | |
| Power supply | 220V, 50 Hz | | | | | | | |
| Optional | USB Flash drive memory for data transfer, RS485 and 232and printer | | | | | | | |
| Safety | <ul style="list-style-type: none"> ❖ Equipped with leakage protection device to ensure the safety of operators and other equipment in the laboratory. ❖ With limited temperature control sound and light alarm system. ❖ Self-diagnosis function: display fault information, which is convenient for judging the fault point. ❖ Waterproof stainless steel heating tube, corrosion resistance, long service life. ❖ Over Voltage-Under Voltage, Over Current, Short Circuit protection | | | | | | | |