Plant Growth Chamber / Seed Germinator

PGC series Plant Growth Chamber or Seed Germinator 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.



PGC-300



Walk in Plant Growth Chamber **(Customized)**



LCD Display with touch button **(Standard supply)**



Optional Touch Screen LCD



Full Spectrum Growth Lamp



Multi-function Light Control Device



Optional Dual Compressor with auto switching

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	48x50x76	50x60x100	50x70x115	60x70x120	70x72x120	80x85x120	100x91x120	140×90×120
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%~90%, without illumination: 50%~90%, Light Off up to 90% RH at ± 5% RH							
Humid. Fluctuation	±5%RH							
Humidity Uniformity	7%RH							
Lighting Illumination	0 ~ 12000 Lux (Single Left or right side lighting is standard, **(Two or Three sides lighting and Illumination intensity sensor optional)**							
Timer	0 ~ 9999 minutes/Hr/Up/Continuous							
Cooling method	Refrigeration and air cooling by Imported compressor							
Controller	Microprocessor Intelligent Fuzzy PID							
Display	**LCD (Standard supply)** **Optional 1:** Touch Screen HMI: 3 Level Password protected user Management, USB, Ethernet, RS485, Wifi, Mini Printer port etc, Data storage memory, Graph view, Log functions (Audit trail), Multipoint temperature correction function, Data storage to memory, Export to PC, USB, Printer etc.							
Material	SS304 inside / Powder coated GI sheet outside or Stainless Steel							
Power supply	1 Phase, 220V, 50 Hz, 3 Phase {depends on size)							
Safety	❖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 and under Temperature alarm, Over and under Humidity alarm, Short Circuit protection							

Customized size available on request