



PLANT GROWTH CHAMBER

General Features

- Light System**
 There are left, right and center light systems to get equal lights in any position of chamber. There are Fluorescent lamp and Plant Growth Lamps.
- 10 Steps Control**
 Can test sample with various and different temp. and humidity conditions of 10 steps, also make Day-Night testing, Repeating testing and artificial condition.
- LCD Display**
 In the LCD display, there are present values(PV) and setting Values(SV) for temperature, humidity and time.
- Humidity**
 To get accurate humidity value, adopt Electronic Humidity Sensor and Evaporator Humidifier.
- Dual Evaporator**
 When it is in defrost operation, There is no change in temperature and humidity, because it has 2sets of compressor.
- CO₂ Gas control with 300~5000PPM.(Option)**



DK-PGC 001

Specification

Model	DK-PGC 001	DK-PGC 010
Temp. control	10 Step Program P.I.D Controller	
Temp. Range	0℃ to 60℃ (Light ON : 10℃ to 60℃)	
Temp. Accuracy	±0.2℃ at 20℃	
Humid. Control	-	10 Step Program P.I.D Controller
Humid. Range	-	30~95% R.H
Humid. Sensor	-	±2% at 20℃ 70%
Humidity	-	Evaporation By Motor With SUS316 Pipe Heater
Illumination Control	Photoperiod Control, Exclusive S/W	
Illumination	0~23000LUX / F.L 40W x 15EA	
Lux Meter	0~30000LUX LCD Display, Movable Sensor Position	
Dimension(IN)	500 x 500 x 1200(H)mm / 300 Liter	
Dimension(OUT)	700 x 780 x 1950(H)mm	
Material(IN)/(OUT)	Stainless Steel STS304 (Polishing Plate)/ SCP-1 With Powder Coating	
Material(SIDE WALL)	Vacuum Triple Pair Glass	
Door	Double Door, Silicon Packing Magnetic Door	
Shelves	4 EA Adjustable Type	
Compressor	3/4 HP	
Utility Device	Recorder Jack, RS-232C Interface	
Safety Device	Water Level Monitor, Power Breaker S/W, Over Under Temp. Protector	
Power(AC 220V, 60HZ)	3KW	3.5KW



Recorder

! The instruments have been tested in 220V, 60Hz power condition.
 There can be performance difference according as power condition of each country