



GROWTH CHAMBER



DK-GC 001-3



DK-GC 020-3

General Features

■ 10 Step Programmable

Can program temperature, humidity, and lighting intensity in a complex method and can compose detailed human made environment condition such as day and night function, 10 step change experiment, repetitive operation, and etc.

■ 3 side light intensity supply method

This is the method supplying the light intensity from the top, left and right side thus the distribution level is uniform than the method of supplying light intensity from the top, has high level of space usage and can experiment big amounts at once.

■ Illumination

Produced based on maximum 25,000 LUX as a standard and can add according to the purpose of usage. Light element is composed of HID Lamp and F.L with similar distribution of that of the sunlight and other sunlight can be added or changed. By blocking the gap between the sunlight and chamber with the pair glass, can supply light intensity without affecting the usage temperature.

■ Cooling Compressor

Using the Compressor of big capacity, it is easy to maintain the temperature. By installing 2 sets of cooler, the temperature for usage is not affected when reused.

Specification

Model	DK-GC 001-3	DK-GC 010-3	DK-GC 020-3
Dimension(IN)	750 x 650 x 1200(H)mm	1000 x 800 x 1000(H)mm	1400 x 800 x 1200(H)mm
Dimension((OUT)	1200 x 940 x 1950(H)mm	1600 x 1080 x 1800(H)mm	1800 x 1080 x 2000(H)mm
Capacity / Shelves	588 Liter / 4 EA	800 Liter / 6 EA	1,344 Liter / 8 EA
Light Source	HID x 2 EA, F.L x 12 EA	HID x 6 EA, F.L x 12 EA	HID x 7 EA, F.L x 16 EA
Illumination	28000LUX	25000LUX	25000LUX
Temp. control	10 Steps Program PID Controller		
Temp. Range/ Accuracy	0℃ to 60℃(Light ON: 10℃ to 60℃)/ ± 0.2℃ at 25℃		
Humid. Control	Digital PID Humid. Controller		
Humid. Range	35~95% RH (Light ON : 35~85% RH)		
Humid. Sensor	Electronic Ceramic Sensor		
Humidifier	Evaporation by Motor		
Illumination Control	10 Steps Program Control 7 Stage		
Material(IN/OUT/SIDE)	SUS304 Polishing Plate / SCP-1 Steel Plate Powder Coating / Vacuum Pair Glass		



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