

**DAIHAN® SMART Plant Growth Chamber "ThermoStable™ GC", Smart-Lab™ System, 432 · 864 Lit**  
 With Smart-Lab™ Controller, CFC-Free(R-404A) Refrigeration System, 0~12,000 - or 15,000-Lux, 30~95% RH, 10~60℃  
 스마트 식물 생장상, 스마트랩 컨트롤러, 정밀한 온도/습도/조도 조절, WiRe™서비스, 7인치 풀터치스크린 스마트랩 조절기



**2-Year Warranty**  
 (1) SMART Plant Growth Chamber "ThermoStable™ GC-450"

- CE Certified
  - PL(Product Liability) Insurance
  - with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
  - Suitable for Plant Growth, Stability, Product Self-life QC Testing
  - Ergonomic Screen Design 7" Full Touch Screen TFT LCD
  - Smart-Lab™ Controller : Remote Controlled by Smart-Phone with WiRe™ App Service.
    - Self-Diagnostic Function - Automatic Data Recording
    - Variable Program Setting for Multiple Patterns with Multiple Segments
    - The Recorded Data could be transferred to PC by USB memory
    - Controller SW can be upgraded through USB port.
    - Precise Temperature, Relative Humidity and Illumination Control
    - Maintain Uniformity and Accuracy of Growth Circumstance
- \* Inner Tempered Glass Door with Silicone Packing offers easy Observation without Door Opening  
 \* Over Temperature & Over Current Protection, Sensor Error Detection, Leakage Breaking  
 \* Includes Water Tank(with Silicon Tube) and Lux Meter

**Specifications & Ordering information** ※ **운임 약 ₩ 90,000 별도!**

| Spec.  |                   | Model  | (1) "ThermoStable™ GC-450"<br>Max. Capa. 432 Lit | (2) "ThermoStable™ GC-1000"<br>Max. Capa. 864 Lit |
|--|-------------------|--|--|---|
| Temp.  | Range & Variation | 10℃ ~ 60℃, ± 1℃ at 20℃   |  |   |
|  | Fluctuation       | ± 0.5℃ at 10℃, ± 0.5℃ at 25℃ (0% light intensity)<br>± 1℃ at 10℃, ± 1℃ at 25℃ (100% light intensity) |  |   |
| Humidity   | Range & Variation | 30% ~ 95% RH, ± 3% at 60℃  |  |   |
|  | Fluctuation       | ± 1%   |  |   |
|  | Humidifier        | Evaporation by Fan with Heater   |  |   |
| Illumination                                     | Range             | 0 to 12,000 Lux  | 0 to 15,000 Lux                                  |   |
|  | Lamp              | FPL 55W×14   | FPL 55W×28                                       |   |
|  | Bank              | 3 Side Walls   |  |   |
| Temp. & Humidity Sensor                          |                   | Temp. : PT100, Humidity : Capacitive Sensor  |  |   |
| Heat-up Time (up to 37℃)                         |                   | 11 min. (0% illumination) / 9 min. (100% illumination)   |  |   |
| Cool-down Time (down to 10℃)                     |                   | 13 min. (0% illumination) / 15 min. (100% illumination)  |  |   |
| Temp. Recovery (After Door was opened for 30sec) |                   | 3 min. at 10℃, 1 min. at 37℃ (0% illumination)<br>5 min. at 10℃, 1min. at 37℃ (100% illumination)    |  |   |
| Heating Power /Consumption                       | for Temp.         | 1.5 kW   | 3.0 kW   |   |
|  | for Humi.         | 1.5 kW   | 3.0 kW   |   |
| Compressor                                       |                   | 1/2HP  | 1HP  |   |
| Program Function                                 |                   | Temperature and Humidity : 120 Patterns, 1,200 Segments<br>Light Bank : 7 steps                      |  |   |
| Door   | Internal          | Tempered Safety Glass with Silicone Packing  |  |   |
|  | External          | 3-Side Magnetic Packing Door with Light Bank   |  |   |
| Shelf (Included)                                 |                   | 4 PE-coated Steel Shelf  | 8 PE-coated Steel Shelf                          |   |
| Permitted Total Load                             |                   | 64 kg (16kg×4 Shelves)   | 128 kg (16kg×8 Shelves)                          |   |
| Material   |                   | Internal : Stainless-steel (# 304), External : Power Coated steel                                    |  |   |
| Dimension (w×d×h)                                | Interior (mm)     | 650×700×1,050  | 1,200×790×1,050                                  |   |
|  | Exterior (mm)     | 850×1,090×1,965  | 1,400×1,150×1,965                                |   |
| Packing Size & Gross Weight                      |                   | 1,400×1,220×h2,210mm, 435 kg   | 1,600×1,500×h2,200mm, 585 kg                     |   |
| Power Consumption                                |                   | 4.8 kW   | 6.5 kW   |   |
| Power Supply*                                    |                   | AC 230V, 50/60Hz or 3 Phase  |  |   |
| Cat. No.   | 230V              | DH.SWGC00450   | DH.SWGC01000                                     |   |
|  | 3Phase            | DH.SWGC60450   | DH.SWGC61000                                     |   |

» **DAIHAN WiRe™ App Service**



7" Full Touch Screen TFT LCD (Smart-Lab™ Controller)

**Controlled by Smart-Phone**



Water Tank/Silicon Tube/Lux Meter (Included)



Wire Shelf, PE-coated steel (Included)

\* Other Specifications are available upon Customer's Request.

**Spare Wire Shelf, PE Coated steel**

DH.WGC10450 Wire Shelf, PE Coated, w640×d620mm, "GCS450", for 432Lit  
 DH.WGC11000 , w580×d620mm, "GCS1000", for 864Lit

| Validation (IQ, OQ) | Cat. No.  | DH.SWGC30450 | DH.SWGC31000 |
|---------------------|-----------|--------------|--------------|
|                     | Model No. | SGCV450      | SGCV1000     |