



# PLANT GROWTH CHAMBER

Plant Growth Chamber is a closed cabinet having provision of three side lights, humidity and temperature. It is widely used in plant biology, soil science and agriculture research and growth of rice and Arabidopsis etc. The purpose of using a plant growth chamber or tissue culture growth chamber is to create artificial environment using combination of temperature, humidity and light at various ranges.

## Digital Temp & Humidity Controller

- ★ Fully Automatic controlled by using microprocessor controller
- ★ LCD Display
- ★ Data (temp.) storage.
- ★ Real Time Clock, Audio / Visual alarm for temperature deviations from set values.
- ★ Temperature sensor : Pt 100
- ★ Humidity Software calibration - Watch Dog Timer
- ★ Program lock to avoid any changes in control
- ★ Outer thick MS Body with powder coating, inner 304 mirror finish chamber.
- ★ 1450 RPM motorized fan blower maintains internal temperature and humidity uniformity.
- ★ Door Open Alarm, Quick recovery with other alarm systems.
- ★ Double walled 3.5" PUF insulation with hermetically sealed compressor system for efficient temperature control.



Image Indicative, Actual may Vary with availability

## Technical Specification:

- Construction : Double Walled
- Capacity : as per model
- Inside Chamber : Stainless Steel Grade 304
- Outside Chamber : Mild Steel with powder coated
- Display : LCD display
- Light levels : ON/OFF 25%, 50% 75% & 100%, Light
- No of trays : 4 adjustable S.S trays
- Humidity : 20-95% RH
- Humidity Sensor : PID type.
- Temperature : PID control 5°C-50°C, ±1°C
- Temperature Sensor : PT - 100
- Compressor : Hermetically sealed type of standard make. like kirloskar / Copeland /Equivalent Make
- Alarm : Audio Visual Alarm for Temperature and Humidity Deviation
- Evaporator : Copper Tubes
- Electronics : Microcontroller based, digital display of temperature.
- Operating voltage : 220V, 50HzAC+ 10%
- Optional Accessories : Stabilizer 3 KVA (at extra cost)



Models	Capacity
CGO-PG-33	650x580x900 12 cu ft. 336 ltrs
CGO-PG-45	700x640x970 16 cu ft. 450 ltrs
CGO-PG-56	775x775x900 20 cu ft. 560 ltrs
CGO-PG-84	825x825x1200 30 cu ft. 840 ltrs

Note: More sizes and options are available



### SYMBOLS

- REF** Catalogue Number
- RUO** Research Use Only

- Temperature limit
- Use by Date
- Manufacturer

### MANUFACTURED BY:

#### JITM C Genes Pvt. Ltd

H-209, 1st Floor, Sector 63,  
NOIDA, U.P. - 201301 (INDIA) | Ph: +91-120-4113359  
Email: info@jitmcgenes.com | www.jitmcgenes.com



An ISO 13485:2016  
Certified Company