

Plant Growth Chamber

NSW-193

PLANT GROWTH CHAMBER "CALTAN" (LARGE CHAMBER)

- Useful for Plant Growth & Animal Studies.
- This chamber is doubled walled with insulation of 75mm glass wool by puff
- Inner chamber Stainless Steel 304 Qty
- Outer chamber Mild Steel and finished with durable white enamel paint.
- Full view inner acrylic door for inspection of samples without disturbing the temp of working chamber.
- The chamber shall be mounted on castors for smooth shifting.
- Supplied with three nos. heavy-duty stainless steel shelves.
- Viewing window having dimension 35cm x 35cm shall be given on the two sides
- With fluorescent tube lights
- If you want to switch off the tube light natural light may be given in the chamber from two sides.



NSW-193 LARGE

PHOTOPERIODIC SYSTEM:

- Temperature is controlled by temperature micro processed based Electronic Indicator Cum Controller to regularize the two temp. one for day and one for night by dual temperature controller.
- With micro processed based 7 days programmable Timer.
- Temperature can be controlled. from 15°C to 60°C in the day time when full lights are on.
- Otherwise temperature range is 5°C to 60°C

LIGHTING SYSTEM:

- The chamber has provision to give Light up to 50K Lux (50,000 Lux) from the top and side of the chamber.
- It gives microclimate radiation stimulated spectrum adjustable 50K Lux.
- Light intensity may be given on higher side if required.
- We give mixture of light by incandescent lamp, fluorescent lamps and sodium vapor lamps.

COOLING SYSTEM:

- Hermetic sealed compressor with all accessories & condenser is also fitted at bottom exactly below the working chamber to give efficient cooled desired temperature.

HUMIDITY CONTROL SYSTEM:

- Humidity in the chamber is controlled from 55% to 95%
- By Digital RH controller and injection of water vapour inside chamber thus making the environment in controlled condition
- Inbuilt 3 step Automatic voltage Stabilizer
- To work on 220V AC, 50 Hz

DIMENSION OF CHAMBER INSIDE

MODEL	CU.FT	SIZE (MM)			LTRS	RATING
		W	D	H		
PGDC-1	24 Cu.Ft	1200	600	900	680	6.0 KW

OPTIONAL:

- The above growth chamber can be supplied with a PLC/HMI controller which will take out prints of the chamber for the light. Humidity & temperature set and measured in the interval of 1 minute having 8 K memories on your 80 column matrix printer to cost extra.
- Alarm: It is possible to provide electronic alarm if, temperature deviates more than $\pm 2^{\circ}\text{C}$. and RH $\pm 5\%$ to cost extra