

**MODEL NO.: YSI-443****YSI PLANT GROWTH CHAMBER**

State-of-the-art equipment for Plant growth and animal studies. Provision for light, temperature and humidity are made to test plant growth and analyse their flowering cycle. Inner chamber made of S.S. 304 and outer of thick cold rolled steel duly pre-treated & powder coated. 75 mm thick glass wool of high density is sandwiched between the two walls to provide insulation.

A see through window is provided for inspection of plants. Heating is controlled by Microprocessor based programmable digital temp controller cum indicator to maintain temp. between 5°C to 50°C  $\pm$  1°C but 15°C to 50°C  $\pm$  2°C when the lights from both sides and top are in on position. A Seven Days programmable timer is also provided. Cooling is maintained by hermetically sealed compressor works on environment friendly CFC Free Refrigerant and PUF insulated. Provision for 50,000 lux is provided with a mixture of incandescent lamp & fluorescent light to give effect of day light, whereas humidity is controlled from 55% to 95%  $\pm$  5% by a Microprocessor based controller.

Chamber Volume :

- 10 Cuft.
- 20 Cuft.
- 30 Cuft.
- 45 Cuft.
- 50 Cuft.

