

APPLICATION & FEATURES:

- ♥: Touch Screen Controller is designed to control the chamber and easy to operate.
- ♥: User-friendly software allows user to control and monitor chamber from any location with graph display & logs.
- ♥: Easy assembly & move in system. Easily accessible maintenance panels.
- ♥: Ability to re-configure or expand to meet your developing needs.
- ♥: Choice of interior and exterior finishes to meet your laboratory requirements.
- ♥: Configurable to any size walk-in chamber or environmental room to fit your needs.
- ♥: Humidity water filtration system is included to filter impurities and protect your chamber interior walls & process..
- ♥: Retrofit of Existing chambers by replacing all components except the structure which can extend life of equipment by another 10 years.
- ♥: Long Term storage, Medium Term storage, Short term storage, Seed Storage, Germination, Arabidopsis, Tissue culture.
- ♥: Revamp of your existing lab to Plant growth/Plant Research facility.

TECHNICAL SPECIFICATIONS:

MODEL	T	THS	THF	THL	CTH
FEATURE	TEMPERATURE ONLY	TEMPERATURE & HUMIDITY	TEMPERATURE & HUMIDITY	TEMPERATURE, HUMIDITY & LIGHT	CUSTOMIZED TEMPERATURE & HUMIDITY
Temperature Range	-10° to 60°	-10° to 60°	-10° to 60°	-10° to 60°	10° to 40°
Temperature Fluctuation	+/- 1	+/- 1°	+/- 1°	+/- 1°	+/- 2°
Temperature Uniformity	< 2°	< 2°	< 2°	< 2°	< 2°
Rise/Fall Rate	1°/min	1°/min	1°/min	1°/min	AS per requirement
Humidity Range	NA	30% to 90% RH	30% to 90% RH	30% to 90% RH	Ambient to 90% RH
Humidity System	NA	Steam injection	Ultra Foggers	Ultra Foggers	AS per requirement
Humidity Fluctuation	+/- 2%RH	+/- 2%RH	+/- 2%RH	+/- 2%RH	+/- 2%RH
Humidity Variation	+/- 3%RH	+/- 3%RH	+/- 3%RH	+/- 3%RH	+/- 3%RH
Light Range	NA	NA	NA	Up to 300 micromoles	AS per requirement
Refrigeration System	Mechanical single stage refrigerator system (air cooled condenser) Regulation and control: Dual Discharge/Single discharge roof suspended units to re-circulate the air in the room with airflow from upward directions/side ways from plenum. Heating: Stainless steel sheated heater (surface evaporating system) Humidifier : Various methods of Humidification system Dehumidifier : Various methods of Dehumidification system Cryogenic Cooling Systems with LN2 and CO2 units without Compressor Systems				
Controller	Touch screen controller / Digital Display				
Power supply	440V 3 phase 50 Hz	440V 3 phase 50 Hz	440V 3 phase 50 Hz	440V 3 phase 50 Hz	220V 1 phase 50 Hz
Current	As per design	As per design	As per design	As per design	As per design

INDIAN PARTNER FOR GLOBAL BRAND VALOYA-GREENLUX SPECIALIZED IN LED LIGHTING SUITABLE FOR DIFFERENT TYPES OF CROP RESEARCH AND SPEED BREEDING TECHNIQUES.