



## WALK IN CHAMBER for MULTIPLE APPLICATIONS



### Cooling System:

Effective Single Scroll Compressor system for maintaining the temperature in chamber.

### Security protection system:

- Over-temperature protection
- Overload protection of motor
- Fuse for control and lighting circuit
- Flange Mount Disconnect for Power
- Humidity water shortage protection

### Options :

- Oversize/Additional or sliding Doors
- Reinforced/chequered Floor
- Provision of Ramp for material movement
- Port holes of variable sizes
- Auxiliary points for power supply inside the chamber
- Addition I/O for external sensor probes
- Remote alarm system
- Triggering E-mails & messages to the PC/Phone

Sreekara EnviroTech Walk-In Temperature/Humidity Test Chambers offer the most flexibility in accommodating complete interior work space. Pre-engineered conditioning systems and prefabricated panels can be assembled to meet virtually any test or any size requirement. We use the right air conditioning systems for easy installation without taking up valuable workspace in your chamber. Applications include, but are not limited to, Automotive testing, Electronic testing, Telecommunications testing, Aerospace testing, Material storage, Coating preparation, Biomedical storage, research, Packaging materials evaluation, Seeds storage, Seeds germination, Plant growth & Cultivation. Temperature and climate working range have been designed to fulfill all relevant standards. Complete insight of the components which are used ensured for long reliability.

### 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.

### Cabinet Structural Features:

- Exterior shell materials of Chambers: Pre Painted plate.
- Interior shell materials of Chambers: Stainless steel plate.
- Floor: Aluminium chequered Floor with drain facility and ramp at entrance of Chamber.
- Heat insulation materials: Hard Poly Urethane foamed plastic.
- Single wing door with inner viewing window facility with lock and key and fitted with sweeping gasket and glass.



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### 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

Note: Specifications are subject to change without prior notice due to constant research and development.  
 Refrigeration capacity is based on standard ambient conditions. Therefore required ambient should be compliant strictly for better efficient running of chambers.