

ULTRA THERMO

THERMAL SHOCK TEST CHAMBER

The Design Brief

- Leading-edge technology
- Service-proven, maintenance-friendly
- Highest possible quality, reliability and durability
- Economical to run, environmentally friendly



Internal Volume	Internal Basket Dimensions	Temperature Range	
		Hot Zone	Cold Zone
125Ltrs	300 X 300 X 300mm	Ambient to +180°C	Ambient to -65°C
210Ltrs	400 X 400 X 400mm	Ambient to +180°C	Ambient to -65°C
350Ltrs	500 X 500 X 500mm	Ambient to +180°C	Ambient to -65°C
425Ltrs	600 X 600 X 600mm	Ambient to +180°C	Ambient to -65°C
750Ltrs	800 X 800 X 800mm	Ambient to +180°C	Ambient to -65°C

Custom Size, Temperature, Humidity Range Available

Performance

Temperature

Control Accuracy : with in +/- 0.5°C

Gradient Accuracy : +/- 1°C

Average Ramp Rate : 2°C to 8°C /min

Recovery Time : with in 3 min

Performance

Basket movement : Pneumatic

Basket transit time : Programmable

Loading Capacity : 15Kgs

Fast recovery through Cryogenic
Booster

ULTRA THERMO SCIENTIFIC

New No. 19, Old No, 3A, Manimegalai Street, East Tambaram, Chennai 600 059

Phone : 9841025507 Email : ultrathermoscientific@gmail.com; thermo@yours.com

TNGST 0962538/03-04; CST 770373 dt. 17.9.03

ULTRA THERMO

Standard Facility

5 Pane Viewing Window
Sample Viewing Light
Drain for Condensate
Strip heaters for Door and Window
Emergency Stop

Door Interlock
Single Phase Preventer
RS232C interface with PC Software
All possible alarms & interlock
Low and High Temperature cutoff

Others

Cascaded Refrigeration System with CFC Free refrigerant
Factory Calibration Certificate traceable to NABL
16 SWG MS Powder Coated Exterior
16SWG SS304 Interior with Full TIG Welding



- All the electrical items used will be of standard IP grade suitable for Humidity chamber
- All the switch gears and MCB's used in the construction shall be of high quality reputed brands.(Schneider Electric)

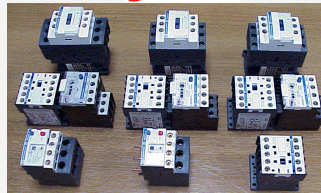
Bitzer UK Compressor



DWM Copeland Condenser



Danfoss



ULTRA THERMO SCIENTIFIC

New No. 19, Old No, 3A, Manimegalai Street, East Tambaram, Chennai 600 059

Phone : 9841025507 Email : ultrathermoscientific@gmail.com; thermo@yours.com

TNGST 0962538/03-04; CST 770373 dt. 17.9.03

ULTRA THERMO

Danfoss Refrigeration Accessories



Advantages

Systems designed to work at 35° C Ambient. No Air Conditioning is required for full performance

Direct Sales and Service Support from the Manufacturer. The Equipment will be designed, manufactured and proved to your requirement. Full and immediate technical support will be available directly from the manufacturer

Spares will be available off-the-shelf and the equipment can be brought back to working condition even at the worst breakdown scenario with in 3-5 working days.

Can be made to order. Can be custom made to meet all the specifications.

Factory will be directly involved in the installation and support of the supplied systems. .

ULTRA THERMO SCIENTIFIC

New No. 19, Old No, 3A, Manimegalai Street, East Tambaram, Chennai 600 059

Phone : 9841025507 Email : ultrathermoscientific@gmail.com; thermo@yours.com

TNGST 0962538/03-04; CST 770373 dt. 17.9.03