

TEMPERATURE AND HUMIDITY CABINETS

(AMBIENT +5°C TO +80°C) (30% TO 90% RH)

Image: TCH-460-SD



Temperature and Humidity Cabinets

- Models available in 150 and 460 litre capacities
- Precise control of temperature and humidity
- Digital indication of internal temperature and humidity set values
- Non refrigerated control of temperatures and humidity between ambient +5°C and +80°C
- Fully insulated to help maintain temperature values
- Humidity control via in built dew point water trough
- Monitoring or cable point access hole
- Fully adjustable open wire shelves
- Fitted with castors to allow for easy moving

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PRODUCT DETAILS

The Thermoline TCH series of temperature and humidity cabinets is manufactured to perform precise control of temperature and relative humidity. Internal conditions can be precisely maintained between ambient +5°C to +80°C and 30% to 90% humidity. These cabinets are an ideal laboratory testing chamber for the scientific research industry and is available in 150 and 460 litre capacities.

Thermoline also manufactures chambers with the wider temperature range from +2°C to +80°C or -40°C to +100°C in our S series environmental chambers and TRH range of cabinets.

Features
Non refrigerated control of temperatures and humidity between ambient +5°C and +80°C
Humidity Range between 30% and 90% RH
Fresh air inlet and exhaust vents provides dehumidification (reliant on ambient conditions)
Temporal accuracy control of temperature $\pm 0.25^{\circ}\text{C}$ at set point
Temporal accuracy control of humidity $\pm 1\%$ at set point
316 Stainless steel internal liner fully sealed
PVC coated steel outer case
Microprocessor controllers for both Temperature and Humidity incorporating electronic outputs
Digital display for internal conditions and user set values
Insulated solid access door
Fan forced air supply via long life self cooling motors delivers conditioned air throughout for precise internal conditions
Open wire stainless steel fully adjustable shelves
Easy installation with optional gravity feed water tank
Lockable sturdy casters allows mobility if required
50mm cable port

Safety Features
Over current protection
Auto over temperature safety (Failsafe)
Built in electric element safety cut out
Reinforced water tank support
Lockable castors
Controller error codes

Optional Accessories
Programmable controllers with computer interface
Retransmission of process variables
Deviation alarms with remote contacts
Additional cable port entry holes

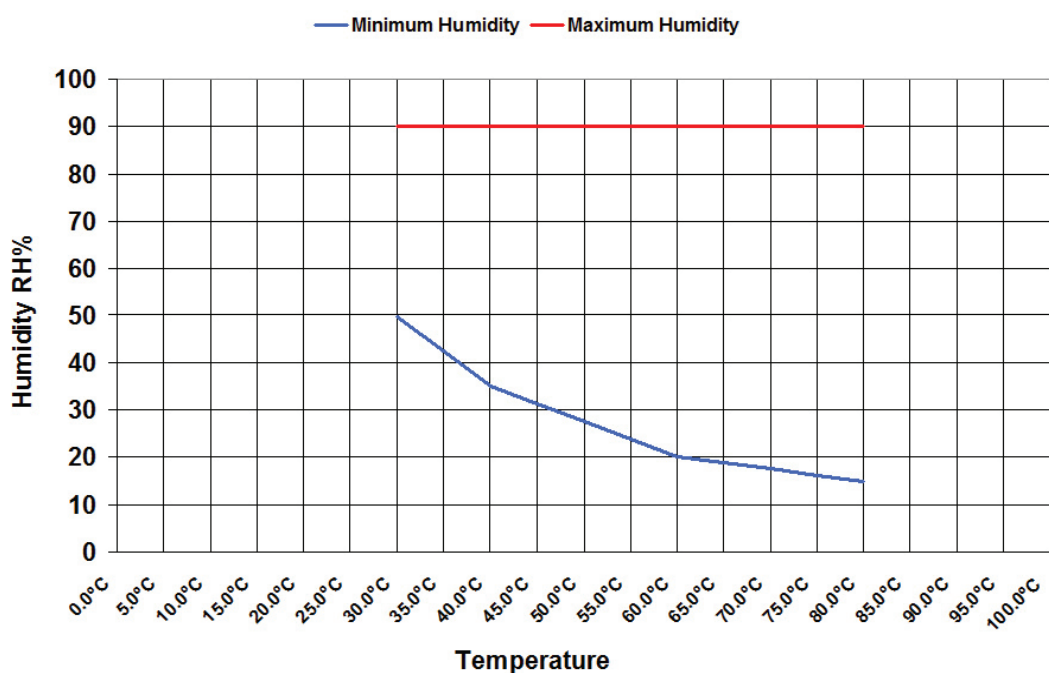
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SPECIFICATIONS

Control Envelope for 150 and 460 Litre Cabinets



Based on an ambient of 25°C and 50% RH

Model	TCH-150-SD	TCH-460-SD
Temperature Range	+5°C to +80°C	
Humidity Range	30% to 90%	
Internal Dimensions (HxWxD mm)	600x500x520	940x630x670
External Dimensions (HxWxD mm)	1100x650x650	1740x840x840
Capacity (litres)	150	460
Shelf Positions	Multiple	
Shelves Supplied	2	4
Electrical Supply	10A	15A
Weight (kg)	80	148

Thermoline Scientific have been manufacturing and distributing high quality laboratory and scientific testing equipment since 1970. Over this time, Thermoline has grown to be a leading brand in the science industry, with our equipment being used in small and large Hospitals, Universities and Research Laboratories across Australia and the Asia Pacific region.

We're proud to say that we are 100% Australian owned and operated.

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