

REFRIGERATED TEMPERATURE AND HUMIDITY CABINETS

(+10°C TO +60°C) (10% TO 90% RH)

Image: TRH-460 and TRH-850



Refrigerated Temperature and Humidity Cabinets

- Models available from 150 to 850 litres
- Precise control of temperature and humidity
- Digital indication of internal temperature and set values
- Quiet running CFC free refrigeration system
- Fully insulated to help maintain temperature values
- Humidity control via in built dew point water trough
- Monitoring or cable point access port
- Fully adjustable open wire shelves
- Fitted with castors to allow for easy moving

Instrument Choice

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 **Thermoline**
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PRODUCT DETAILS

The TRH series manufactured by Thermoline offer accurate and precise control of temperature and humidity. These high performance models have the ability to perform heating, cooling, humidification and dehumidification functions. This range is available in four standard capacities from 150 litres to 850 litres.

Thermoline also has the ability to customise each unit to meet unique applications. All models are internally constructed from stainless steel and are externally constructed from an attractive PVC coated steel. Solid and glass doors are available for all models.

Features
Microprocessor controlled with heat/cool outputs
Fan forced air supply via long life self cooling motors delivers conditioned air throughout for precise internal conditions
Temporal accuracy at set point better than $\pm 0.2^{\circ}\text{C}$ and 1%RH (unloaded chamber)
Spatial accuracy measured to be better than 1°C and 3%RH (unloaded chamber)
Dehumidification via purpose built refrigeration system with air cooled condenser
Heating and humidification provided through electric stainless steel heating element
Cooling provided via evaporator coils with in air handling system and electronic switching of solenoid valves
High grade electronic temperature and humidity sensor
50mm Monitoring or cable port access point (additional ports available)
Convenient manual or log book holder on side of cabinet
Easy installation with optional gravity feed water tank
Built in condensate drain system to single exit point-allows easy cleaning of internal trough generator
Optional ramp to set point functions

Safety Features
Over current protection
Auto over temperature safety (Failsafe)
Built in electric element safety cut out
Positive door closure
Lockable castors
Water trough with automatic water level detection and low water safety cut out
Controller error codes

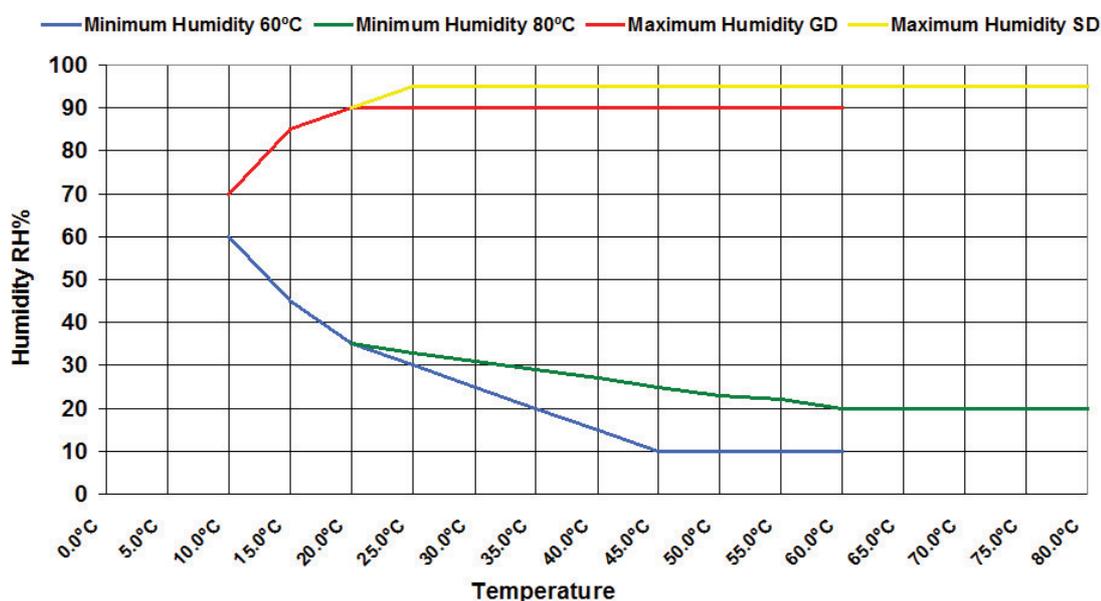
Optional Accessories
Available with solid or glass doors
Extended temperature range of $+10^{\circ}\text{C}$ to $+80^{\circ}\text{C}$ (solid door model only) Code: 80DEG
Programmable controllers with computer interface
Retransmission of process variables
Deviation alarms with remote contacts
Internal glass viewing window
Additional cable port entry holes

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SPECIFICATIONS

Control Envelope for 150, 300,460 and 850 Litre Cabinets



Model	TRH-150	TRH-300	TRH-460	TRH-850
Temperature Range	+10°C to +60°C (Option to 80°C with Solid Door)			
Humidity Range	10% to 90% (Option to 95% with Solid Door)			
Internal Dimensions (WxDxH mm)	500x500x640	600x500x990	650x650x1140	1170x650x1140
External Dimensions (WxDxH mm)	660x760x1350	760x760x1750	810x910x1900	1330x910x1900
Capacity (litres)	150	300	460	850
Shelf Positions	Multiple			
Shelves Supplied	2	3	4	8
Electrical Supply	10A	15A		
Temperature Control Stability	±0.2°C			
Temperature Spatial Variation	±1.0°C			
Humidity Control Stability	1% RH			
Humidity Spatial Variation	3% RH			
Approx Weight (kg)	90	120	150	200
Packed Dimensions (WxDxH mm)	870x910x1570	960x910x1980	1050x1100x2100	1540x1100x2100
Packed Weight (kg)	220	260	250	420

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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