

Thermoline
S C I E N T I F I C

Drying Ovens

*Designed and manufactured in Australia by
Thermoline Scientific*

Proudly Family- Owned and Operated

Today, we remain a proud second-generation family business



A family
owned
Australian
business



Drying Ovens

Designed and Manufactured by **Thermoline Scientific**

The Thermoline Laboratory Drying Oven models are designed and manufactured to provide safe and precise temperature conditions for the items stored inside.

Thermoline's Australian Made drying ovens are designed to remove moisture from products and samples. Adjustable air inlet and exhaust vents supply fresh air into the chamber while removing moist air from the chamber.

Typical applications include moisture removal from soil, paper, timber, plaster, fabric, coal and other minerals.

Thermoline have six drying ovens available, all designed and manufactured in Australia. These models are economical and very easy to use making them an ideal choice for all processes where products and samples require drying. Since 1970, Thermoline's Ovens have been the proven industry standard. Our Ovens appear in thousands of labs across the country and have been trusted for all general and critical research applications.



"This product is Proudly Australian Made."

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.



"Built to last using the best materials."

Thermoline Scientific uses the best materials that are able to withstand prolonged use and maintain their structural integrity. Materials such as Galvanised Steel, Aluminium, Zinc and Stainless Steel are commonly used in products that are subject to wear and tear. Benefits of these materials include:

- **Corrosion resistance.**
- **Lightweight.**
- **High load stress resistance.**
- **Low Maintenance.**

Our difference is in our commitment

For over 50 Years we have provided industry leading equipment and service



LABORATORY OVEN

Thermoline
SCIENTIFIC

AUSTRALIAN MADE

Drying Ovens

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"Providing the new industry standard since 1970."

Since 1970, Thermoline lab equipment has been the proven industry standard. Our products appear in thousands of labs across the country and have been trusted for all general or critical research applications.

2 Year Warranty!

Thermoline offers a comprehensive two years parts and labour warranty on all Australian Made products.

- **Australian Made:**

This range is designed and manufactured by Thermoline. We proudly promote and support the Australian Made logo.
- **Proven Reliability:**

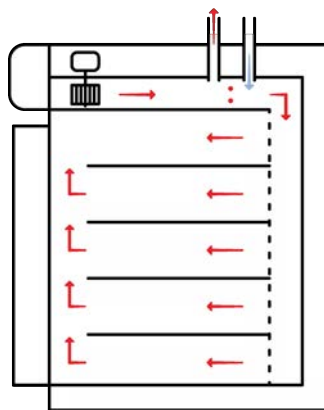
With Thermoline's long-standing track record of consistent performance through the use of durable materials and rigorous testing, you can trust in our product's dependable performance.
- **Stainless Steel Interior:**

Stainless steel is durable, easy to clean and corrosion-resistant, making it the perfect choice for high heat tasks. 316 marine-grade stainless steel is used here to ensure the most corrosive-resistant liner possible.
- **High Control Accuracy:**

Our product boasts high control accuracy through an Omron E5CC controller, performing with precision and accuracy. Ensuring maximum efficiency and reliability through advanced technology.
- **Fan Forced Air Circulation:**

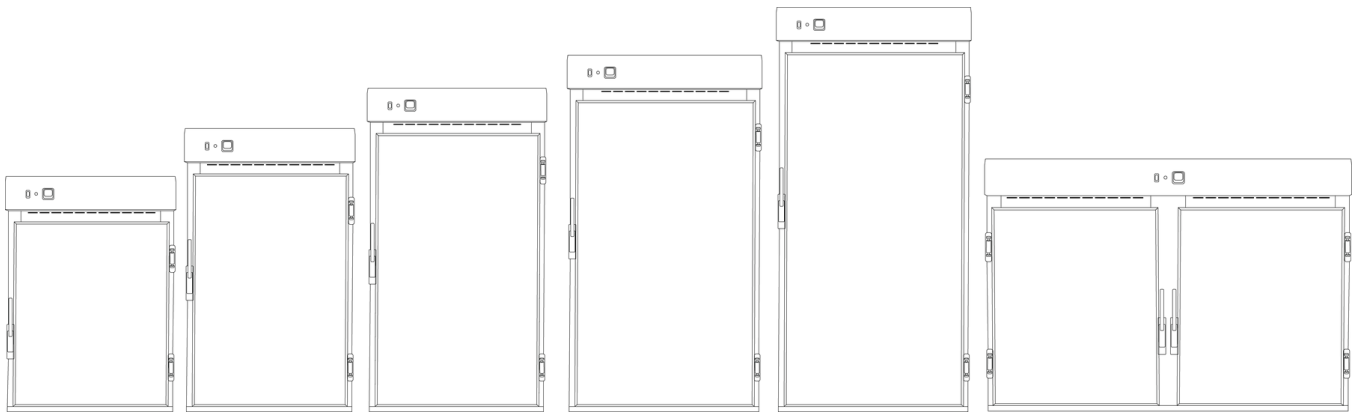
Fan-forced air circulation is a process of circulating air using a fan to distribute it evenly throughout the space. Thermoline's horizontal airflow blows dry air across each shelf for effective drying anywhere inside the oven. Heated air is blown down the rear of the oven where it is then forced over the shelf spaces via a perforated rear wall.
- **Digital PID Microprocessor Controller:**

The Omron E5CC uses an automated programmable microprocessor to control the temperature within $\pm 0.1^\circ\text{C}$. The bright LED display has a range of functions, including high alarm, temperature calibration and optional programmable ramp/dwell functions.



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Dimensions

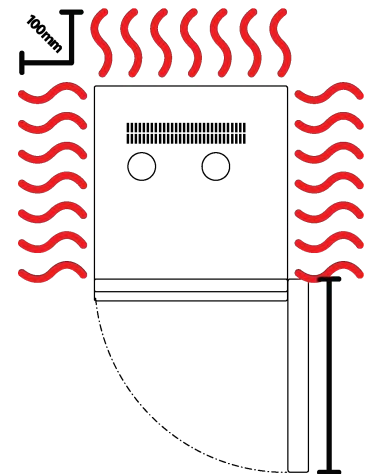
External	TD-80F	TD-150F	TD-250F	TD-500F	TD-700F	TD-630F
WxDxH (mm)	520x560x800	630x660x1010	630x660x1360	780x810x1680	780x810x1980	1450x860x1100

Note: Inlet and Exhaust ports extend the overall height of the ovens by approximately 40mm.

Internal

WxDxH (mm)	390x400x400	500x510x600	500x510x950	650x650x1200	650x650x1500	1300x690x650
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Clearance	TD-80F	TD-150F	TD-250F	TD-500F	TD-700F	TD-630F
Front (mm)	520	630		780	725	
Back (mm)			100			
Sides (mm)			100			



See our Volatile
Materials Oven Range.
The TD-AS1681.

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Technical Specification

	TD-80F	TD-150F	TD-250F	TD-500F	TD-700F	TD-630F
Temperature Range	Ambient +10°C to 200°C					
Temperature Control Stability	+/- 0.1°C					
Temperature Uniformity	+/-2°C @ 100°C			+/-4°C @ 100°C		
Heater Power	1500 watts			3000 watts		
Electrical	7A/230V			13A/230V (requires 15A supply)		
Nominal Capacity	80L	150L	250L	500L	700L	630L
Porthole Diameter	13mm					
Weight	60kg	100kg	110kg	170kg	190kg	190kg



Expert Support Team

Our R&D, manufacturing, support, and sales teams are all in-house allowing for efficient collaboration

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Features	TD-80F	TD-150F	TD-250F	TD-500F	TD-700F	TD-630F
Shelves (max @100mm spacing)	2 (max 3)	3 (max 4)	4 (max 6)	5 (max 9)	6 (max 11)	3 levels (max 4)
Lockable Castors	Optional	✓	✓	✓	✓	✓
Internal Fan	✓	✓	✓	✓	✓	✓
Omron E5CC	✓	✓	✓	✓	✓	✓
Solid Door	✓	✓	✓	✓	✓	✓
Fibreglass Insulation	✓	✓	✓	✓	✓	✓
Safety						
Over Temperature Safety	✓	✓	✓	✓	✓	✓
Over Current Protection	✓	✓	✓	✓	✓	✓
Options						
BMS Plug	No volt contact closure plug and socket connection to a Building Management System					
Additional Shelves	Additional Stainless Steel shelves to suit					
Heavy Duty Shelves	Update to allow for higher loads on shelves (limits total number of shelves possible for use)					
Door Locks	Key lockable door locks					
Customisable Port Hole	Add additional stainless steel 13mm port holes or choose 50mm port holes					
Programmable Controller (MSP)	(E5CC-MSP) Upgraded Omron Controller features 256 ramp and/or dwell segments					
Glassware Drying	See TGD-range for oven models specific to drying of laboratory glassware					
Natural Convection	See TO-range for oven models without fan forced circulation					





We are proudly Australian owned

We will continue to invest in Australian
manufacturing.

