

Thermoline  
S C I E N T I F I C

# Glassware Drying Ovens

*Designed and manufactured in Australia by  
Thermoline Scientific*

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# Proudly Family- Owned and Operated

Today, we remain a proud second-generation family business



A family  
owned  
Australian  
business



# Glassware Drying Ovens

Designed and Manufactured by **Thermoline Scientific**

The glassware drying ovens manufactured by Thermoline are built upon the standard drying ovens range but with specifically designed features for drying laboratory glassware.

These glassware dryers are used to remove any residual moisture or liquids from laboratory glassware after cleaning, to prevent contamination or reaction with chemicals during experiments.

Thermoline have three glassware drying ovens available, all designed and manufactured in Australia. Our ovens are constructed to maintain temperatures from ambient +10°C to +80°C – with excellent temperature uniformity and stability. The 316 stainless steel liner and stainless steel flat shelves are designed to last even when exposed to moisture and high temperatures.

To keep an eye on what's going on, the toughened glass door allows for quick and easy check-ins.



**"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

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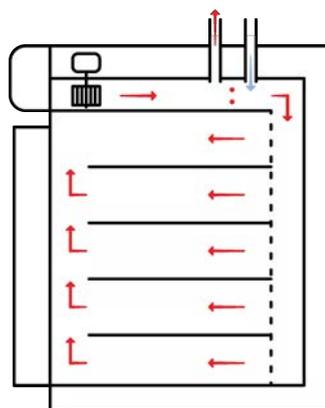
## "Providing the new industry standard since 1970."

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!

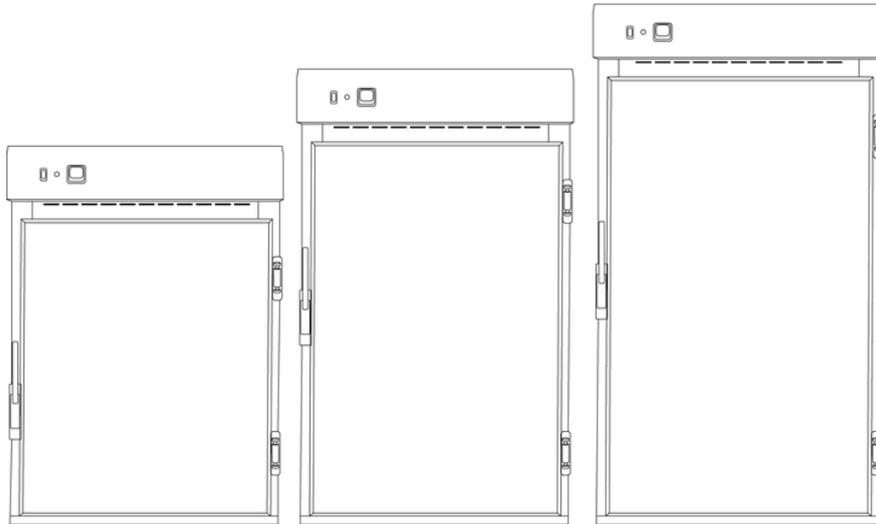
Thermoline offers a comprehensive two years parts and labour warranty on all Australian Made products.

- **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 multi-setpoint functions.



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## Dimensions

### External

|            | TGD-80F     | TGD-150F     | TGD-250F     |
|------------|-------------|--------------|--------------|
| WxDxH (mm) | 520x550x800 | 630x650x1010 | 630x650x1360 |

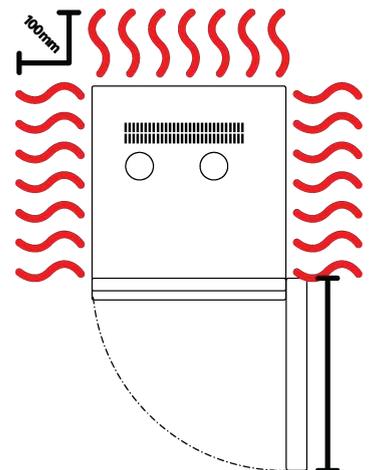
Note: Inlet and Exhaust ports extend the overall height of the ovens by approximately 40mm.

### Internal

|            |             |             |             |
|------------|-------------|-------------|-------------|
| WxDxH (mm) | 390x400x400 | 500x510x600 | 500x510x950 |
|------------|-------------|-------------|-------------|

### Clearance

|            | TGD-80F | TGD-150F | TGD-250F |
|------------|---------|----------|----------|
| Front (mm) | 520     | 630      |          |
| Back (mm)  | 100     |          |          |
| Sides (mm) | 100     |          |          |



**See our Drying Oven Range.**

80L, 150L, 250L, 500L,  
700L and 630L

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## Technical Specification

|                               | TGD-80F               | TGD-150F   | TGD-250F |
|-------------------------------|-----------------------|------------|----------|
| Temperature Range             | Ambient +10°C to 80°C |            |          |
| Temperature Control Stability | +/- 0.1°C             |            |          |
| Temperature Uniformity        | +/-1°C @ 80°C         |            |          |
| Heater Power                  | 1400 watts            | 2000 watts |          |
| Electrical                    | 6A/230V               | 9A/230V    |          |
| Nominal Capacity              | 80L                   | 150L       | 250L     |
| Porthole Diameter             | 13mm                  |            |          |
| Weight                        | 80kg                  | 120kg      | 130kg    |

## Features

|                              |           |           |           |
|------------------------------|-----------|-----------|-----------|
| Shelves (max @100mm spacing) | 2 (max 3) | 3 (max 4) | 4 (max 6) |
| Lockable Castors             | Optional  | ✓         | ✓         |
| Internal Fan                 | ✓         | ✓         | ✓         |
| Omron E5CC                   | ✓         | ✓         | ✓         |
| Glass 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   |
| Door Locks             | Key lockable door locks  |
| Customisable Port Hole | Add additional stainless steel 13mm port holes or choose 50mm port holes           |
| General Drying         | See TD-range for oven models specific to drying to +200°C                          |
| 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.

