

Thermoline
S C I E N T I F I C

Uncirculated Water Baths

*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



Uncirculated Water Baths

Designed and Manufactured by **Thermoline Scientific**

The Thermoline Uncirculated Water Baths are designed to operate from ambient +5°C to +100°C with an alarm set at 2°C above the setpoint. The Thermoline water baths offer an industry standard in temperature control and reliability.

These uncirculated lab water baths provide gentle heating with minimal water agitation to prevent lighter items from tipping over or where water movement might negatively affect samples or research.

Thermoline have two uncirculated water baths available, both designed and manufactured in Australia. The uncirculated laboratory water baths are available in two key sizes, 12 and 24 litres.

As the name suggests, the water in the bath is not circulated by any mechanical means and instead relies on the gentle, natural convection of heat through the water. The bath provides a stable and controlled temperature environment for samples, test tubes, or other items.

"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

2 Year Warranty!

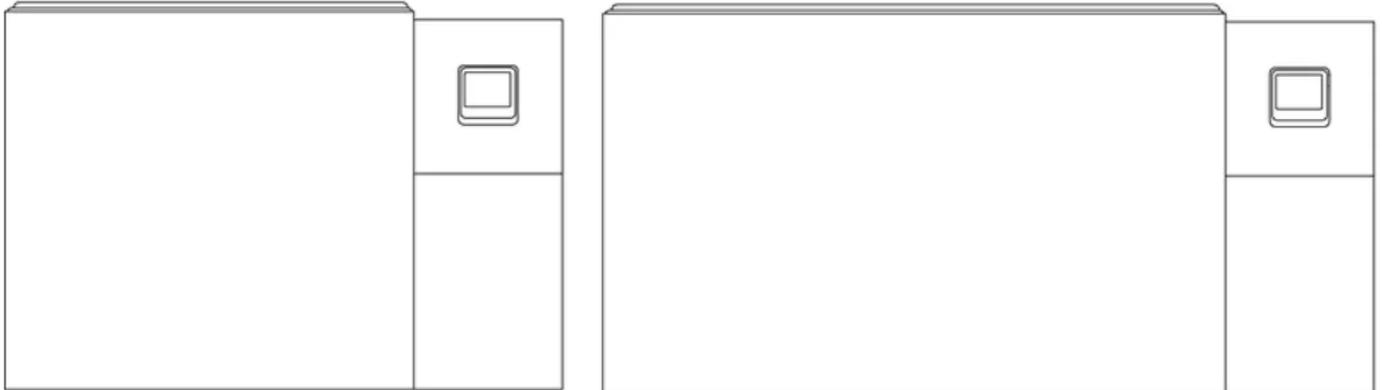
Thermoline offers a comprehensive two years parts and labour warranty on all Australian Made products.



- **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 products dependable performance.
- **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.
- **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.
- **Perforated False Floor:**
A false floor protects both the heating element and your samples from touching the hot surface. Ask us about customisable false floor heights to suit your application.
- **Stainless Steel Tank:**
Stainless steel is durable, easy to clean and resistant to corrosion, making it the perfect choice for water containment. The tanks here are seamless and feature large radius corners for simple cleaning.
- **Incoloy Heating Element:**
Incoloy is a type of superalloy that is renowned for its exceptional ability to withstand high temperatures, resist oxidation, and other forms of high-temperature corrosion. Given these characteristics, Incoloy is used in all Thermoline water baths.
- **Drain Fitted on all models:**
Thermolines Water Baths come equipped with drains, useful for efficient cleaning and changing of the water in the bath.

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Dimensions

External

TWB-12D

TWB-24D

WxDxH (mm)

380x330x260

650x330x260

Internal

WxDxH (mm)

240x300x165

500x300x165

Spacing

TWB-12D

TWB-24D

Front (mm)

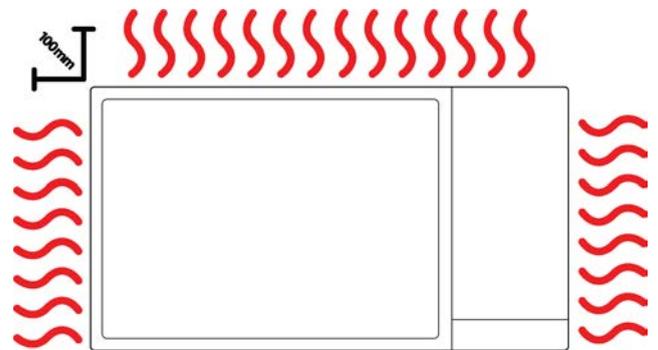
100

Back (mm)

100

Sides (mm)

100



See our Heater Circulator Range. The TUC Range.

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Technical Specifications

	TWB-12D	TWB-24D
Temperature Range	Ambient +5°C to 100°C (max temp with bath lid on)	
Temperature Stability	+/-0.1°C	
Temperature Uniformity	+/-0.1°C	+/-0.2°C
Heating Power	500 watts	900 watts
Electrical	510W/230V	910W/230V
Capacity	12L	24L
Weight	8kgs	11kgs
Time Ambient to 50°C	25 minutes (with lid on)	50 minutes (with lid on)
Time Ambient to 100°C	110 minutes (with lid on)	160 minutes (with lid on)

Features

Omron E5CC Controller	✓	✓
Whisper Quiet Operation	✓	✓
Incoloy Heating Element	✓	✓
Fibreglass Insulation	✓	✓

Safety

Over Current Protection	✓	✓
Over Temperature Safety	✓	✓
False Floor Protection from Heating Element	✓	✓

Options

Polycarbonate Gable Lid	Clear Gable Polycarbonate Lids PCL-12: To suit TWB-12D PCL-24: To suit TWB-24D
Stainless Steel Flat Lid	Flat Stainless Steel Lids SSFL-12: To suit TWB-12D SSFL-24: To suit TWB-24D
Built in circulator pump	See TWB-24D-CP
Circulated with heater circulator	See TWBC-12/24 and TU3 heater circulator



We are proudly Australian owned

We will continue to invest in Australian
manufacturing.

