

Thermoline
S C I E N T I F I C

Circulated 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



Circulated Water Baths

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The Thermoline Circulated Water Baths are designed to operate from ambient +5°C to +100°C with alarms set at 3°C above and below the setpoint. The water is circulated throughout the bath using the TU3 heater circulator or with the built-in pump in the TWB-24D-CP model, creating a uniform temperature throughout the bath.

These circulated water baths provide gentle water movement over the heating element to ensure even temperature uniformity and are particularly useful for experiments that require a stable temperature environment.

Thermoline have three circulated water baths available, all designed and manufactured in Australia. Two designs require the addition of the Thermoline TU3 heater circulator and one 24L model features a convenient built-in pump.

As the name suggests, the water in the bath is circulated by either the built-in pump or by the use of the TU3 heater circulator. These baths provide 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 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.

- **Built-in Circulating Pump:**

The TWB-24D-CP adds a highly efficient and long life circulating pump to the TWB-24D uncirculated bath. The pump is mounted under the bath and provides a gentle flow of water over the heating element for excellent temperature uniformity and the benefit of a larger workspace.

- **Perforated False Floor:**

In the TWB-24D-CP model, 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.

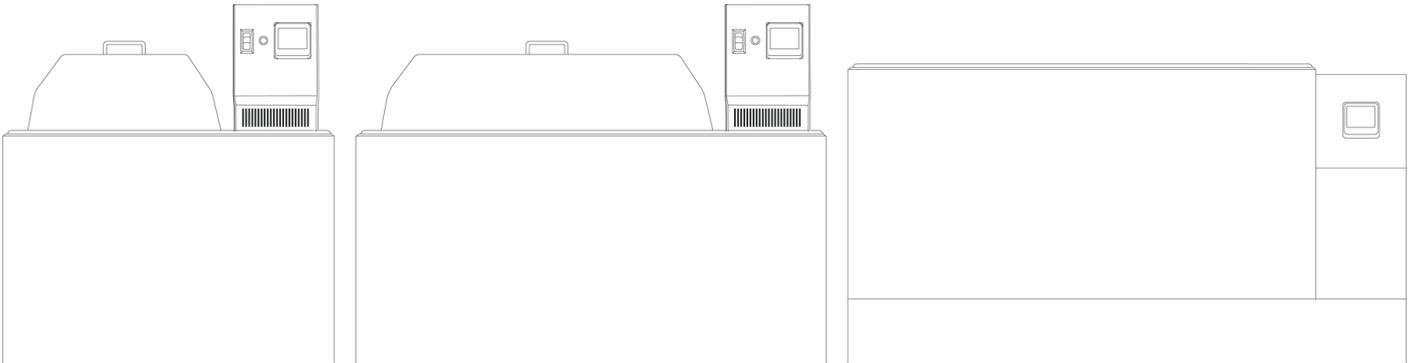
- **Drain Fitted on all models:**

Thermolines Water Baths come equipped with drains, for efficient cleaning and changing of the water in the bath.



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Dimensions

External

	TWBC-12	TWBC-24	TWB-24D-CP
WxDxH (mm)	270x330x260	530x330x260	650x330x360

Internal

WxDxH (mm)	240x300x165	500x300x165	500x300x165
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Spacing

	TWBC-12	TWBC-24	TWB-24D-CP
Front (mm)		100	
Back (mm)		100	
Sides (mm)		100	



See our Heater Circulator Range. The TUC Range.

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Technical Specifications

	TWBC-12	TWBC-24	TWB-24D-CP
Temperature Range	N/A - See Heater Circulator Specifications		Ambient +5°C to 100°C (max temp with bath lid on)
Temperature Stability	N/A - See Heater Circulator Specifications		+/-0.1°C
Temperature Uniformity	N/A - See Heater Circulator Specifications		+/-0.1°C
Heating Power	N/A - See Heater Circulator Specifications		900 watts
Electrical	N/A - See Heater Circulator Specifications		935W/230V
Capacity	12L	24L	24L
Weight	8kgs	11kgs	15kgs
Time Ambient to 50°C	N/A		50 minutes (with lid on)
Time Ambient to 100°C	N/A		150 minutes (with lid on)

Features

Omron E5CC Controller	N/A	✓
Whisper Quiet Operation	N/A	✓
Incoloy Heating Element	N/A	✓
Built in circulator pump	No	✓

Safety

Over Current Protection	N/A - See Heater Circulator Specifications		✓
Over Temperature Safety	N/A - See Heater Circulator Specifications		✓
False Floor Protection from Heating Element	N/A		✓
Fibreglass Insulation	✓	✓	✓

Options

Polycarbonate Gable Lid	PCLC-12: To suit TWBC-12 PCLC-24: To suit TWBC-24	PCL-24: To suit TWB-24D-CP
Stainless Steel Flat Lid	SSFLC-12: To suit TWBC-12 SSFLC-24: To suit TWBC-24	SSFL-24: To suit TWB-24D-CP



Thermoline
SCIENTIFIC

DANGER
HOT SURFACE
DO NOT TOUCH

WATER BATH



**We are proudly
Australian owned**

We will continue to invest in Australian
manufacturing.

