



Cold Plate

*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



Cold Plate

Designed and Manufactured by **Thermoline Scientific**

Thermoline's unique range of cold plates is designed to cool, freeze, or maintain any particular sample below zero for short periods. The Thermoline Cold Plate is used for wax solidification and insect paralysis testing and is ideal for temperature control of assays, DNA ligations, cells and tissue, and samples.

Two models are available, both with a large plate area. The stepped platform TCP-3 makes loading the cold plate easier at bench height, whilst the TCP-2 model has a smaller footprint allowing for more bench space.

The Australian Made Laboratory Cold Plate is commonly used in a variety of laboratory settings, including chemical, biological, and medical research.

They can be used to cool down samples before analysis or to maintain the temperature of sensitive equipment during experimentation. It is also useful for solidifying paraffin wax after the embedding procedure or cooling samples to a low temperature for an extended period.

The temperature range is -10°C to -20°C. This is controlled via a digital PID controller and achieved using an efficient and reliable refrigeration system.

"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



Cold Plate

Designed and Manufactured by **Thermoline Scientific**

"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!

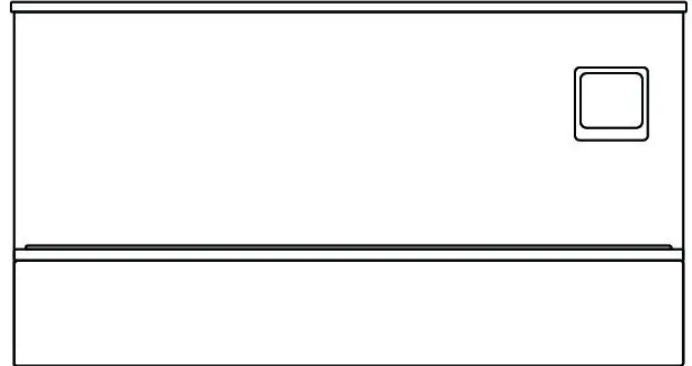
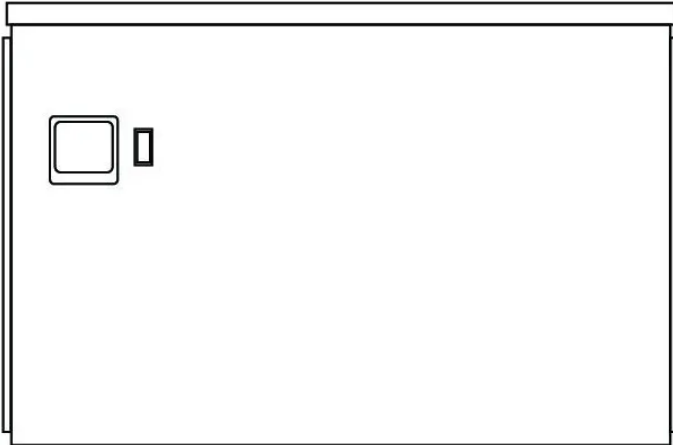
Thermoline offers a comprehensive two years parts and labour warranty on all Australian Made products.

- **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.
- **Two Unique Configurations:**
The stepped platform TCP-3 makes loading the plate easier at bench height, whilst the TCP-2 model has a smaller footprint allowing for more bench space.
- **Fast Cool Down:**
The powerful refrigeration system allows for a fast cool down rate, achieving -15°C within 30 minutes, reducing the waiting time before use.
- **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 temperature calibration.
- **High Control Accuracy:**
Our product boasts high control accuracy through the Omron E5CC controller, performing with precision and accuracy and ensuring maximum efficiency and reliability through advanced technology.
- **Aluminium Plate:**
The aluminium work plate provides a uniform temperature surface so you can be sure that your samples are all sitting at the same temperature, no matter where they are located.



Cold Plate

Designed and Manufactured by **Thermoline Scientific**



Dimensions

External

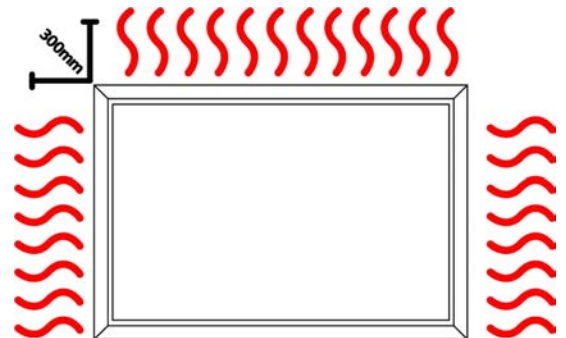
	TCP-2	TCP-3
WxDxH (mm)	450x350x300	450x680x260

Plate Area

WxDxH (mm)	380x300	380x300
------------	---------	---------

Spacing

	TCP-2	TCP-3
Front (mm)	100	
Back (mm)	100	
Sides (mm)	300	



See our Bench Top Incubator Range.

20L, 50L, 80L, 120L and 280L

Cold Plate

Designed and Manufactured by **Thermoline Scientific**

Technical Specification

	TCP-2	TCP-3
Configuration	Plate on top	Stepped plate to front
Temperature Range	-10°C to -20°C	
Electrical	3A/230V	
Weight	24kg	28kg
Refrigerant Type	R507	
Heat Output	300 watts	
Noise Level @ 1 metre (dbA)	40	
Fibreglass Insulation	✓	✓
Safety		
Over Current Protection	✓	





We are proudly Australian owned

We will continue to invest in Australian
manufacturing.

