

Laboratory Freezers

***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



Laboratory Freezers

Designed and Manufactured by **Thermoline Scientific**

The Thermoline Laboratory Freezer range is designed and manufactured to provide safe and precise temperature conditions for the items stored inside. Designed to operate between at setpoints -20°C to -30°C with alarms set at 3°C above and below the setpoint, the Thermoline Laboratory Freezers offer an industry standard in cold laboratory storage.

Thermoline laboratory freezers are purposefully designed to meet the rigorous demands of laboratory and healthcare settings while accommodating the various samples stored at temperatures ranging from -20°C to -30°C, such as pharmaceutical, biological, and other commonly used laboratory materials.

To ensure the safe storage of delicate substances like antibodies and cell cultures, Thermoline laboratory appliances come with precise controls and built-in alarm systems. BMS voltage-free contacts facilitate remote monitoring of power loss and low and high-temperature alarms, and a simple port hole in the side wall allows for easy reference monitoring with a cable or sensor.

"This product is Proudly Australian Made."

Thermoline Scientific has 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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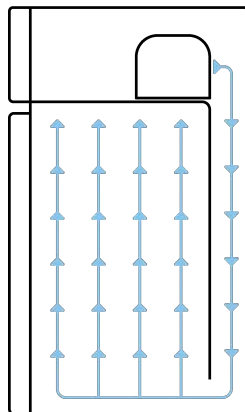
"Providing the new industry standard since 1970."

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!

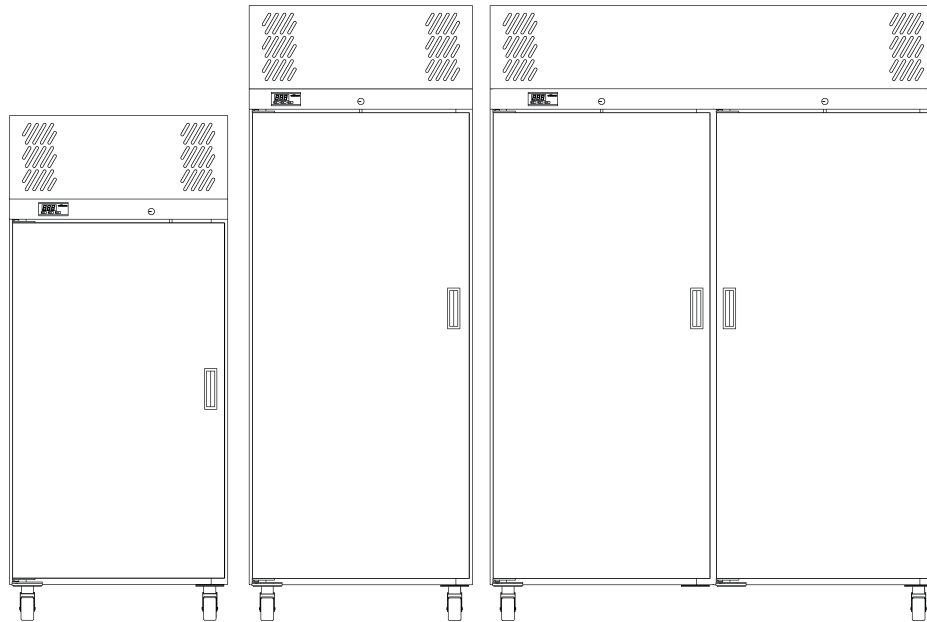
Thermoline offers a comprehensive two years parts and labour warranty on all Australian Made products.

- **Australian Made:**
All TUF freezers are 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.
- **Powder Coated Interior:**
A heavy duty white powder coated steel interior is used in all premium models to ensure the most corrosive resistant liner possible. This surface is easy to clean and provides an attractive and bright interior.
- **High Control Accuracy:**
The Dixell controller boasts high control accuracy through the -20°C to -30°C temperature range, performing precisely and accurately, ensuring maximum efficiency and reliability.
- **Fan Forced air circulation**
All lab freezers feature fan-forced air circulation. This results in a temperature spatial uniformity better than $\pm 1.0^{\circ}\text{C}$ (unloaded) and quick recovery times after door openings.
- **Maximum & Minimum Temperature Logging:**
The Dixell XR70 has a built-in temperature log that records the minimum and maximum temperatures. This helps to monitor temperature fluctuations for reporting purposes.
- **Frost Free Operation:**
All models feature frost-free operation to prevent ice accumulation, maintaining stable temperature conditions and reducing the need for manual defrosting.



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Dimensions

External

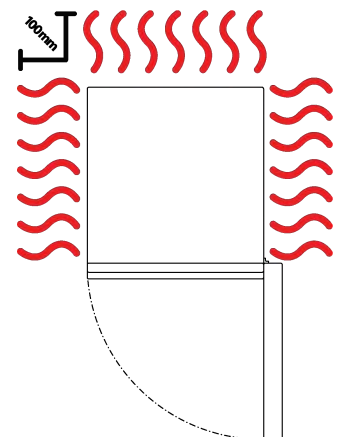
	TUF-360-SD	TUF-520-SD	TUF-950-SD
WxDxH(mm)	740x740x1560	740x740x2010	1230x740x2010

Internal

WxDxH(mm)	590x530x1000	590x530x1430	1080x530x1430
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Clearance

	TUF-360-SD	TUF-520-SD	TUF-950-SD
Front (mm)	740	740	620
Back (mm)	100		
Sides (mm)	100		



See our Pharmacy Refrigerator Range.

Designed specifically for vaccine storage at temperatures between +2°C and +8°C

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	TUF-360-SD	TUF-520-SD	TUF-950-SD
Temperature Range	-20°C to -30°C		
Temperature Control Stability	+/- 2.0°C		
Temperature Uniformity	+/- 2.0°C		+/- 2.5°C
Electrical	3.0A/230V		3.7A/230V
Nominal Capacity	360L	520L	950L
Weight	130kg	160kg	220kg
Heat Output (Watts)	700		1250
Noise Level @ 1 metre (dbA)	64		67
Power Consumption (kWh/24)	7.3		12.9
Refrigerant Type	R507		

Features

Shelves (max @100mm spacing)	3 (max 7)	4 (max 11)	4 levels (max 11)
Castors	✓	✓	✓
Porthole Diameter	13mm		
Internal Fan	✓	✓	✓
Door Locks	✓	✓	✓
BMS Plug	✓	✓	✓
Ecofoam Insulation	✓	✓	✓

Safety

Over Current Protection	✓	✓	✓
Over Temperature Safety	✓	✓	✓

Options

Chart Recorder	7 Day Chart Recorder with Battery Backup built into the top panel
Additional Port Holes	Additional 13mm port holes or 50mm port holes can be added to the side walls



**We are proudly
Australian owned**

We will continue to invest in Australian
manufacturing.

