

Laboratory Refrigerators

*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 Refrigerators

Designed and Manufactured by **Thermoline Scientific**

The Thermoline Laboratory Refrigerator range is designed and manufactured to provide safe and precise temperature conditions for the items stored inside. Designed to operate between +4°C to +10°C with alarms set at 3°C above and below the setpoint, the Thermoline Laboratory Refrigerators offer an industry standard in cold laboratory storage.

Thermoline has nine laboratory refrigerators available, with the 360L and 520L to 1500L models all designed and manufactured in Australia. These models are economical and simple to use making them an ideal choice for all products and samples requiring reliable refrigerated storage.

Since 1970, Thermoline's refrigerators have been the proven industry standard. Our lab fridges appear in thousands of labs across the country and have been trusted for all general and critical research applications.



"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.

Note: 145L and 200L models are not Australian Made

"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



CLEAN CONDENSER REGULARLY
UNITS TO ENSURE RELIABLE
OPERATION OF THIS EQUIPMENT

Thermoline
SCIENTIFIC

STOP

DO NOT OPEN DOOR UNTIL YOU KNOW
WHICH VACCINES YOU NEED AND WHERE
THEY ARE LOCATED.

Vaccines must be stored between 2°C and 8°C to
preserve their potency.

Read and record temperature twice daily.
Report to your supervisor any temperature
fluctuations that occur outside the 2°C to 8°C range.

DO NOT USE OR DISCARD VACCINES unless advised
to do so by your state/provincial health department.

LABORATORY REFRIGERATOR

WARNING
This equipment is designed for use in a laboratory setting only. It is not to be used for storage of food or other items. The use of this equipment for any other purpose is strictly prohibited. The manufacturer is not responsible for any damage or loss of contents resulting from the use of this equipment for any other purpose.

SAFETY
This equipment is designed for use in a laboratory setting only. It is not to be used for storage of food or other items. The use of this equipment for any other purpose is strictly prohibited. The manufacturer is not responsible for any damage or loss of contents resulting from the use of this equipment for any other purpose.

MAINTENANCE
This equipment is designed for use in a laboratory setting only. It is not to be used for storage of food or other items. The use of this equipment for any other purpose is strictly prohibited. The manufacturer is not responsible for any damage or loss of contents resulting from the use of this equipment for any other purpose.

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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:**

The 360L and 520L to 1500L fridges are all 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.

- **Stainless Steel Interior:**

Stainless steel is durable, easy to clean and resistant to corrosion, making it the perfect choice for cool environments. Stainless steel is used in all premium models (360L, 520-1500L) to ensure the most corrosive resistant liner possible. The remaining 145L, 200L and 440L fridges have an attractive white powdercoated finish.

- **High Control Accuracy:**

The Dixell controller boasts high control accuracy through the +4°C to +10°C temperature range, performing precisely and accurately, ensuring maximum efficiency and reliability.

- **Fan Forced air circulation**

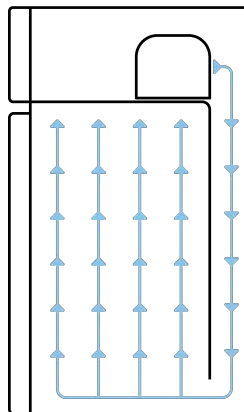
All lab fridges feature fan-forced air circulation. This results in a fantastic temperature spatial uniformity and quick recovery times after door openings.

- **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.

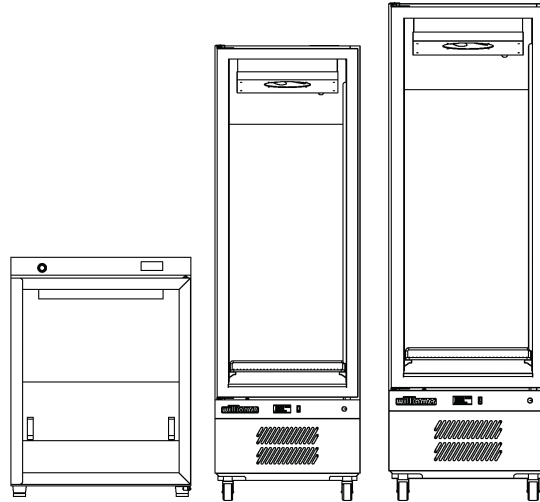
- **Frost Free Operation:**

All models feature frost-free operation to prevent ice accumulation, maintaining stable temperature conditions and reducing the need for manual defrosting.



Laboratory Refrigerators

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Dimensions

External

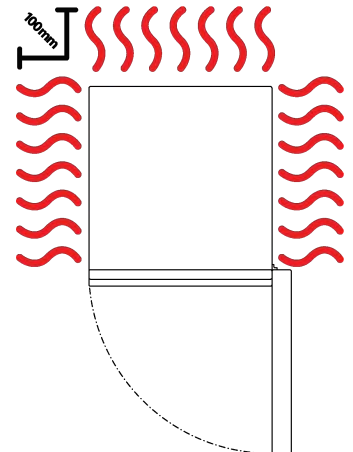
	TLR-145-1-(GD/SD)	TLR-200-1-(GD/SD)	TLR-440-1-(GD/SD)
WxDxH (mm)	600x600x800	560x580x1590	650x760x2010

Internal

WxDxH (mm)	530x430x620	440x420x1080	520x580x1380
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Spacing

	TLR-145	TLR-200	TLR-440
Front (mm)	600	560	650
Back (mm)	100		
Sides (mm)	100		

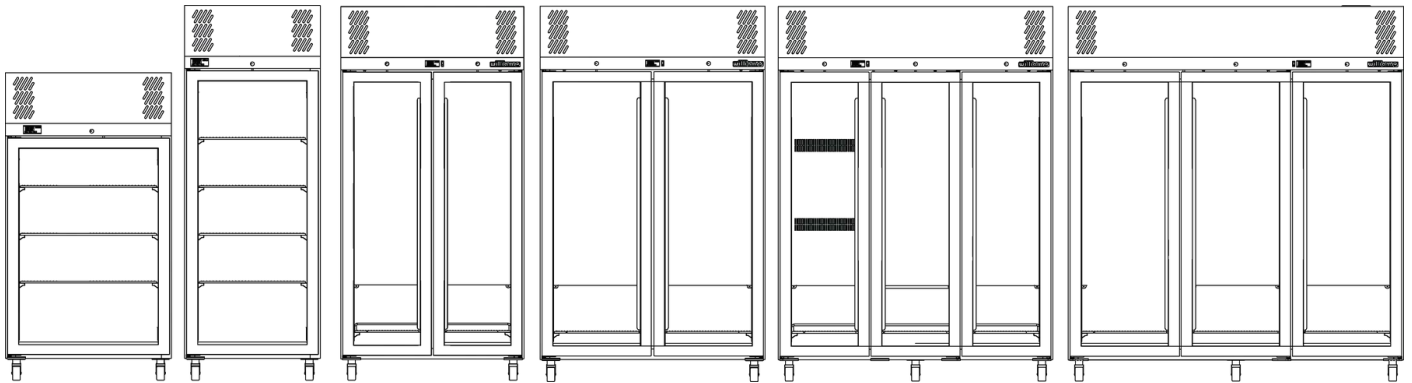


See our Pharmacy Refrigerator Range.

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

Laboratory Refrigerators

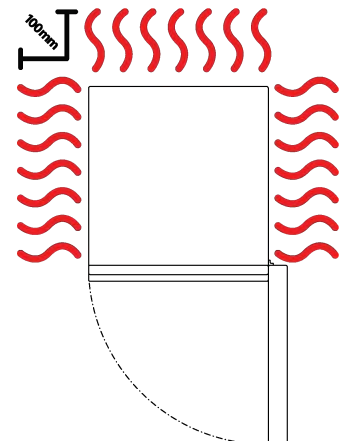
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Dimensions

External	TLR-360-1- (GD/SD)	TLR-520-1- (GD/SD)	TLR-750-2- (GD/SD)	TLR-950-2- (GD/SD)	TLR-1150-3- (GD/SD)	TLR-1500-3- (GD/SD)
WxDxH(mm)	740x740x1560	740x740x2010	1010x740x2010	1230x740x2010	1470x740x2010	1830x740x2010
Internal						
WxDxH(mm)	590x530x1000	590x530x1430	850x530x1430	1080x530x1430	1320x530x1430	1680x530x1430

Clearance	TLR-360	TLR-520	TLR-750	TLR-950	TLR-1150	TLR-1500
Front (mm)	740	740	500	610	500	610
Back (mm)	100					
Sides (mm)	100					



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**Technical
Specifications**

	TLR-145	TLR-200	TLR-440	TLR-360
Temperature Range	+4°C to +10°C			
Temp. Control Stability	+/- 0.5°C			
Temperature Uniformity	+/- 0.5°C			
Electrical	0.9A/230V	2.5A/230V	2.6A/230V	2.8A/230V
Nominal Capacity	145L	200L	440L	360L
Weight	65kg	90kg	140kg	130kg
Heat Output (Watts)	240	300	700	490
Noise Level @ 1 metre (dbA)	40	53	64	64
Power Consumption (kWh/24)	1.5	3.6	4.2	4.4
Refrigerant Type	R134a			

	TLR-520	TLR-750	TLR-950	TLR-1150	TLR-1500
Temperature Range	+4°C to +10°C				
Temp. Control Stability	+/- 0.5°C				
Temperature Uniformity	+/- 1.0°C			+/- 1.5°C	
Electrical	2.8A/230V	3.8A/230V	3.8A/230V	5.4A/230V	5.4A/230V
Nominal Capacity	520L	750L	950L	1150L	1500L
Weight	160kg	190kg	220kg	270kg	290kg
Heat Output (Watts)	490	850	850	1050	1050
Noise Level @ 1 metre (dbA)	64	67	67	67	67
Power Consumption (kWh/24)	4.4	6.0	6.0	8.5	8.5
Refrigerant Type	R134a				

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Features	TLR-145	TLR-200	TLR-440	TLR-360	TLR-520	TLR-750/950	TLR-1150/1500
Shelves	4	5	4	3	4	4 levels	4 levels
Castors	X	Rear Rollers	✓	✓	✓	✓	✓
Porthole Diameter	13mm						
Internal Fan	✓	✓	✓	✓	✓	✓	✓
Door Locks	✓	✓	✓	✓	✓	✓	✓
BMS Plug	✓	✓	✓	✓	✓	✓	✓
Ecofoam Insulation	✓	✓	✓	✓	✓	✓	✓
Safety							
Over Current Protection	✓	✓	✓	✓	✓	✓	✓
Over Temperature Safety	✓	✓	✓	✓	✓	✓	✓
Options							
Glass or Solid Doors	Nomenclature designations: Glass Door (GD), Solid Door (SD)						
LTPC: Low Temp Cut Out	Low Temperature Protection Cut Out. This option is designed to prevent products inside the fridge from freezing (extremely important for the storage of vaccines).						
Chart Recorder	7 Day Chart Recorder with Battery Backup 145L/200L/440L: Flying Lead, 360L/520L-1500L: Built into top panel						
Additional Port Holes	Additional 13mm port holes or 50mm port holes can be added to the side walls						
Spark Proof	Removal of all internal ignition sources making the inside spark proof						
Stainless Exterior	X	X	✓	✓	✓	✓	✓





**We are proudly
Australian owned**

We will continue to invest in Australian
manufacturing.

