



Spark Proof Refrigerators and Freezers



**Proudly Family-
Owned and Operated**
Today, we remain a proud second-
generation family business



**A family
owned
Australian
business**



Spark Proof Refrigerators and Freezers

Designed and Manufactured by **Thermoline Scientific**

These fridges offer safe storage of volatiles, compounds, and solvents when a spark-free environment is required.

The interior is classified as 'spark proof' as they do not have any wiring (such as a thermostat or light) that could potentially ignite any vapours from hazardous materials which may be stored inside.

The interior of the fridge and freezer compartments are classified as 'spark free' as do not have any wiring (such as a thermostat or light) that could potentially ignite any vapours from hazardous materials which may be stored inside. They both offer safe storage of volatiles, compounds, and solvents when a spark-free environment is required.

The single door, spark-proof fridge and freezer range is an excellent choice when lab space is limited. For convenient and easy access to your samples and potentially volatile materials, the combination cabinet is the perfect choice.

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



The interior of the fridge and freezer compartments are classified as 'spark free'

The refrigerator compartment offers reliable chilled storage between +4°C and +10°C, while the freezer operates comfortably down to -20°C.

Both feature a lockable door and a precise digital controller that logs min and max temperature for convenient logging. Temperature and power-loss alarms can be monitored by the BMS plug/socket.

**Our difference is
in our commitment**

For over 50 Years we have provided
industry leading equipment and service



Thermoline
SCIENTIFIC

SPARK PROOF FREEZER

Cabinet with Spark Proof Interior
WARNING: Only the interior of this freezer may be considered as spark proof. Components inside this unit and any materials that contact interior surfaces may not be considered as spark proof. Do not use this freezer for hazardous materials unless they are spark proof.

Preventive Maintenance Schedule
1. Clean the interior of the freezer.
2. Check the door gasket for proper fit and seal.
3. Check the condenser coils for dirt and clean if necessary.
4. Check the evaporator coils for ice buildup and defrost if necessary.
5. Check the defrost timer for proper operation.
6. Check the defrost heater for proper operation.
7. Check the defrost thermostat for proper operation.
8. Check the defrost control board for proper operation.
9. Check the defrost drain for proper operation.
10. Check the defrost drain pan for proper operation.
11. Check the defrost drain pan for proper operation.
12. Check the defrost drain pan for proper operation.

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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.

Warranty:

Thermoline offers a comprehensive two years parts and labour warranty on the spark proof fridge and freezer.



- **Painted Steel Interior:**

The attractive white painted steel interior is durable, easy to clean and resistant to corrosion, making it the perfect choice for cool, moist environments.
- **Manual Defrost Operation:**

The freezers feature a manual defrost operation to prevent unwanted temperature spikes and maintain stable temperature conditions. The cooling coil (evaporator) runs through each shelf level for maximum cooling and even temperature uniformity without needing a fan. 60mm insulation improves efficiency to further reduce your running costs.
- **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.
- **High Control Accuracy:**

The Dixell controller boasts high control accuracy through the temperature range, performing precisely and accurately, ensuring maximum efficiency and reliability.
- **Maximum & Minimum Temperature Logging:**

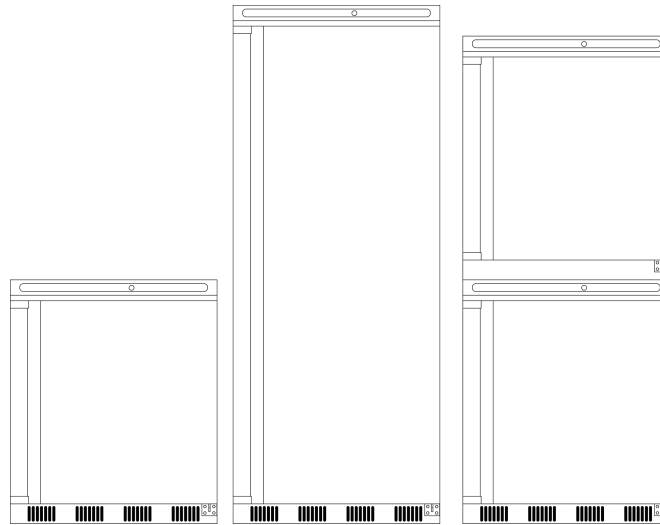
The Dixell XR70 has a built-in temperature log that records the minimum and maximum temperatures. This helps to monitor temperature fluctuations for reporting purposes.
- **Fan Forced air circulation**

The spark proof lab fridges feature fan-forced air circulation. This results in a good temperature spatial uniformity and quick recovery times after door openings.



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Dimensions

External

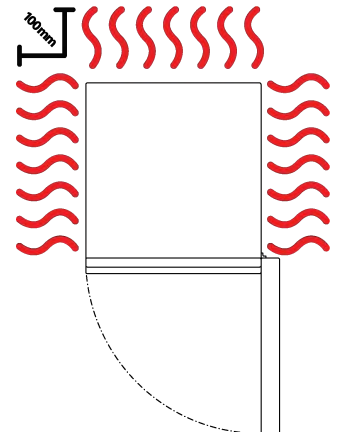
	TF/TR-160-SP-1-SD	TF/TR-260-SP-1-SD	TRF-DUAL-SP-1-SD
WxDxH (mm)	600x600x850	600x600x1850	600x600x1700

Internal

Refrigerator WxDxH (mm)	510x485x620	510x485x1620	
Freezer WxDxH (mm)	480x470x620	480x470x1620	

Spacing

	TF/TR-160-SP-1-SD	TF/TR-260-SP-1-SD	TRF-DUAL-SP-1-SD
Front (mm)		600	
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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Technical Specifications

	TF/TR-160-SP-1-SD	TF/TR-260-SP-1-SD	TRF-DUAL-SP-1-SD
Refrigerator Temperature Range	+4°C to +10°C		
Refrigerator Temperature Stability	+/- 2.0°C does not include below the step		
Freezer Temperature Range	-20°C to -10°C		
Freezer Temperature Stability	+/- 2.0°C does not include below the step		
Electrical	1A/230V	2A/230V	2A/230V
Nominal Capacity	160L	260L	2x160L
Weight	50kg	100kg	105kg
Heat Output (Watts)	240	300	700
Noise Level @ 1 metre (dbA)	40	40	40
Refrigerant Type	R600a (Isobutane)		

Features

Shelves	3x levels	Fridge: 4 Freezer: 6	6
Castors	Rear Rollers		
Porthole Diameter	N/A		
Internal Fan (Fridge Only)	✓	✓	✓
Manual Defrost (Freezer Only)	✓	✓	✓
Door Locks	✓	✓	✓
BMS Plug	✓	✓	✓
Ecofoam Insulation	✓	✓	✓
300 mm Base Stand	Optional	X	X

Safety

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



We are proudly Australian owned

We will continue to invest in Australian
manufacturing.

