

# Spark Proof Refrigerator

(+2°C to +10°C) Standard and Custom Models

**LABEC** manufactures a **Spark Proof Refrigerator** which provides a chamber for safe storage of volatile material. The interior of the chambers are spark free and can be controlled within the temperature range of +2°C to +10°C.

On the standard models a moulded plastic liner makes cleaning easy after spillage. The control system is located on the top and controls temperatures with a sensitive temperature sensor. An alarm indicates if the temperature varies from the set point temperature.

For hazardous areas zoning, Zone 2 classification requires a fridge or freezer to be located 300mm above floor level. (AS/NZ60079.10:2004.) A stand is available for the spark proof chambers to raise the units 300mm to meet these requirements.

A hermetically sealed refrigeration system utilizing CFC-Free refrigerant provides controlled temperature conditions with all models using a digital temperature controller with Hi/Lo temperature memory. Power requirements for all models are 10AMP/240Volts and 50Hz power supply.

**OPTIONS AVAILABLE** - voltage fluctuation protection, additional shelving, lockable doors, BMS monitoring, Data Logging.

**NOTE:** Only the interior of the chamber is spark proofed.

#### Standard features include:

- RCD/ ELB (earth leakage breaker).
- Magnetic self closing door.
- Adjustable shelving.



Standard Model SPR-130



Stand to meet  
AS/NZS60079.10:2004

Serving the Scientific, Medical and Research industries since 1945

**LABEC**



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## Custom Models:

These custom units feature stainless steel exteriors and white aluminium interiors, (Stainless steel interior is optional). All these models have the compressor and electrics mounted on top of the chamber so the requirement of 300mm in AS/NZ60079 is satisfied without needing a stand.



Custom Model SPR-400



Custom Model SPR-140  
(designed to fit under the bench)



Voltage Free Building Maintenance System



Wireless Data Logger  
(optional)



Custom Model SPR-100  
with Glass Door.

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## SPECIFICATIONS

# Spark Proof Refrigerator (+2°C to +10°C) Standard and Custom Models

### Standard Model Specifications:

Model	SPR-130	SPR-240	SPR-300
Capacity (litres)	130	240	300
Int. Dim. (cm) HxWxD	76 x 49 x 47	128 x 45 x 40	150 x 45 x 40
Ext. Dim. (cm) HxWxD	83 x 60 x 60	150 x 55 x 56	207 x 60 x 64
Temp. Controller	Digital Controller		
Temp. Min	2°C		
Temp. Max	10°C		
Temp. Setting Accuracy	+/-0.1°C		
Temp. Fluctuation	+/- 2.0°C		
Temp. Sensor	Sensistive Thermocouple/ Resistor		
Refrigerant	R134a (CFC Free)		
Interior Material	Molded Plastic Liner		
Exterior Material	Stainless Steel	Powder Coated Steel	
Door Material	Solid Door		
Shelving	3	4	5
Options	Additional Shelving, lockable doors		
Safety Features	Earth Leakage Beaker		
Power Supply	240V/ 10AMPS/ 50Hz		
Power (W) AMPS	400	400	600
Weight (kgs)	24	39	85

- Sizes can be customised to meet your needs, please see the following table specifications for custom models.
- All above models require the stand to meet (AS/NZ60079.10:2004). The stand is fixed to the chamber so it is safe and sturdy.

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**Custom Model Specifications:**

Model	SPR-100	SPR-240	SPR-300	SPR-450	SPR-1000
Capacity (litres)	100	240	300	450	1000
Int. Dim. (cm) HxWxD	66 x 49 x 47	128 x 45 x 40	150 x 45 x 40	158 x 51 x 58	160 x 95 x 65
Ext. Dim. (cm) HxWxD	85 x 55 x 57	150 x 55 x 56	193 x 60 x 64	209 x 68 x 60	208 x 110 x 73
Temp. Controller	Digital Controller				
Temp. Min	2°C				
Temp. Max	10°C				
Temp. Setting Accuracy	+/-0.1°C				
Temp. Fluctuation	+/- 2.0°C				
Temp. Sensor	Sensistive Thermocouple / Resistor				
Refrigerant	R134a (CFC Free) / R404a (CFC Free)				
Interior Material	Molded Plastic Liner / Aluminium / Stainless Steel				
Exterior Material	Powder Coated Steel / Stainless Steel				
Door Material	Solid Door / Glass Door				
Shelving	3	4	5	5	8
Options	Additional Shelving, lockable doors				
Safety Features	Earth Leakage Beaker				
Power Supply	240V / 10AMPS / 50Hz				
Power (W) AMPS	400	400	600	600	800
Weight (kgs)	24	39	85	106	195

- These models are a guide only, sizes can be customised to meet your needs.
- When ordering please specify SD (Solid Door) or GD (Glass Door) after model number. eg: (SPR-100/GD).

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