

# Spark Proof Freezer

Upright (-10°C to -20°C) Chest (-10°C to -25°C)

**LABEC** manufactures a **Spark Proof Freezer** 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 -10°C to -25°C (-20°C on upright 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 chamber 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.

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

#### Standard features include:

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



Model SPF-90 (Also available in white)



Model SPCF-300



Stand to meet  
AS/NZS60079.10:2004



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## SPECIFICATIONS

# Spark Proof Freezer

*Upright (-10°C to -20°C) Chest (-10°C to -25°C)*

Model	SPF-90	SPF-180	SPF-300	SPCF-300	SPCF-675
	Upright Type			Chest Type	
Capacity (litres)	115	180	300	300	675
Int. Dim. (mm)	3 x drawers	5 x drawers	7 x fixed shelves	w890*d510*h682	w1935*d510*h682
Ext. Dim. (mm)	w600*d650*h830	w550*d560*h1460	w600*d640*h1925	w1012*d715*h903	w2055*d715*h903
Temp. Controller	Digital Controller			Digital Display, Hi/Low Memory	
Temp. Min	-20°C			-25°C	
Temp. Max	-10°C			-10°C	
Temp. Setting Accuracy	+/-0.1°C				
Temp. Fluctuation	+/- 2.0°C				
Refrigerant	R600a / R290 (CFC Free)				
Interior Material	Molded Plastic Liner				
Exterior Material	Stainless Steel / Painted Steel				
Door Material	Solid Door				
Power Requirements	10AMP/ 240 Volt/ 50hz				
Energy Consumption (kWh/24h)	1.65	0.75	1.823	1.652	3.18
Weight (kg)	38	87	97	65	107

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# Spark Proof Freezer

Compliant with AS/NZS60079.14:2017 and AS1940:2017

Model	SPF-90T	SPF-450T	SPF-600T	SPF-1000T
Capacity (litres)	100	440	600	900
Int. Dim. (cm)	w44*d48*h48	w50*d58*h128	w63*d65*h137	w110*d58*h138
Ext. Dim. (cm)	w54*d57*h85	w60*d75*h197	w73*d80*h213	w120*d75*h195
Temp. Controller	Digital Controller			
Temp. Min	-10°C			
Temp. Max	-20°C			
Temp. Setting Accuracy	+/-0.1°C			
Temp. Fluctuation	+/- 2.0°C			
Refrigerant	R404a (CFC Free)			
Interior Material	Aluminium / Stainless Steel			
Exterior Material	Stainless Steel			
Door Material	Solid Door			
Shelving	2	3	4	8
Options	Additional Shelving, lockable doors			
Power Supply	240V / 10AMPS / 50Hz			
Energy Consumption (kWh/24h)	1.65	4.9	8.2	8.5
Weight (kgs)	68	96	120	135



Model SPF-90T

### LABEC SPARK PROOF FREEZERS:

These spark proof freezers feature stainless steel construction and are designed to have the compressor and electrics mounted on top of the chamber so the requirement of 300mm in AS/NZS60079.14:2017 is satisfied without needing a stand.



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