

Spark Proof Freezer

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

Serving the Scientific, Medical and Research industries since 1945

LABEC

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	SPF-300T	SPF-450	SPF-450T
Capacity (litres)	90	180	300	300	450	450
Int. Dim. (cm) H x W x D	4 x drawers	6 x drawers	120 x 47 x 44	top mount compressor	151 x 58 x 50	top mount compressor
	11 x 39 x 35 each	17 x 38 x 35 each		120 x 47 x 44		151 x 58 x 50
Ext. Dim. (cm) H x W x D	88 x 54 x 53	150 x 55 x 56	192 x 60 x 64	202 x 60 x 64	215 x 70 x 66	225 x 70 x 66
Temp. Controller	Digital Controller					
Temp. Min	-20°C					
Temp. Max	-10°C					
Temp. Setting Accuracy	+/-0.1°C					
Temp. Fluctuation	+/- 2.0°C					
Temp. Sensor	Sensitive Thermocouple/ Resistor					
Refrigerant	R134a (CFC Free)					
Interior Material	Molded Plastic Liner					
Exterior Material	Powder Coated Steel					
Door Material	Solid Door					
Power Requirements	10AMP/ 240 Volt/ 50hz					
Power(W)	400	600	600	600	620	620
Weight (kg)	68	87	106	106	120	120

Model	SPCF-300	SPCF-675
Capacity (litres)	300	675
Int. Dim. (cm) H x W x D	chest	chest
	600 x 900 x 600	600 x 1800 x 600
Ext. Dim. (cm) H x W x D	903 x 1012 x 715	903 x 2055 x 715
Temp. Controller	Digital Display, Hi/Low Memory	
Temp. Min	-25°C	
Temp. Max	-10°C	
Temp. Setting Accuracy	+/-0.1°C	
Temp. Fluctuation	+/- 2.0°C	
Temp. Sensor	Sensitive Thermocouple/ Resistor	
Refrigerant	R134a (CFC Free)	
Interior Material	Molded Plastic Liner	
Exterior Material	Powder Coated Steel	
Door Material	Solid Door	
Power Requirements	10AMP/ 240 Volt/ 50hz	
Power(W)	175	425
Weight (kg)	65	107

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