

# INTRINSICALLY SAFE FREEZER (-10°C to -20°C)

**LABEC** manufactures an **Intrinsically Safe 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 -20°C.

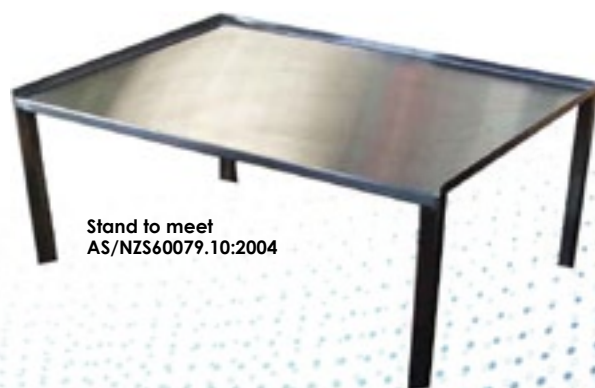
**NOTE: Only the interior of the chamber is intrinsically safe.**

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 intrinsically safe 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.



Stand to meet  
AS/NZS60079.10:2004

## **OTHER STANDARD FEATURES INCLUDE:**

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

Serving the Scientific, Medical and Research industries since 1945

**LABEC**

**LABEC**

Laboratory Equipment Pty Ltd

Laboratory Equipment Pty Ltd

email: sales@labec.com.au

Ph: 02 9560 2811 • Fax: 02 9560 6131

www.labec.com.au

## SPECIFICATIONS

# INTRINSICALLY SAFE FREEZER (-10°C to -20°C)

Model	LISF-90	LISF-180	LISF-300
Capacity (litres)	90	180	300
Int. Dim. (cm) H x W x D	4 x drawers	6 x drawers	6 x fixed shelves
	11 x 39 x 35 each	17 x 38 x 35 each	20 x 47 x 44 each
Ext. Dim. (cm) H x W x D	88 x 54 x 53	150 x 55 x 56	192 x 60 x 64
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) AMPS	400	600	600
Weight (kg)	68	87	106

Serving the Scientific, Medical and Research industries since 1945

**LABEC**

**LABEC**

Laboratory Equipment Pty Ltd

Laboratory Equipment Pty Ltd

email: sales@labec.com.au

Ph: 02 9560 2811 • Fax: 02 9560 6131

www.labec.com.au