

Spark-Proof Refrigerators and Freezers (+2°C Refrigerator / -18°C Freezer)

SPARK-PROOF DESIGN



Fridge Model (+2°C) TR-270-SP



Freezer Model (-18°C) TF-180-SP



NOTE: Only the interior workspace is spark-proof

FEATURES

These spark proof refrigerator and freezer models have been specifically designed to allow for the safe storage of volatile samples which are unsafe for storage in standard refrigerators and freezers. All cabinets are completely spark free on the inside. This ensures that no electrical components, which may cause a spark in the event of a malfunction, are fitted within the workspace. These models meet the Ex'n non-sparking equipment requirements and for added safety, the refrigeration compressor is fitted with a unique 'spark proof start mechanism' should any flammable vapours be present outside the refrigerator at floor level.

In reference to AS/NZS60079.10:2004 for zoning of hazardous areas:

For zone 2 classification it is recommended that a refrigerator or freezer be located 300mm above floor level. The model TRF-SP stand suits all spark proof refrigerator and freezer models offered to raise them to a minimum of 300mm above the floor as required.

(TR) Spark-Proof Refrigerators +2°C to +6°C

- All electrical parts and controls are outside working space
- "Wet Wall" evaporator positioned behind the rear liner
- Natural gravity convection air movement
- Solid state electronic display
- Plastic inbuilt moulded liner (PS plastic has good antistatic properties)
- Powdercoated shelves and transparent storage drawers
- Inner condensate drains through a water trap to an external auto disposal container.
- Floor standing
- Cyclic Defrost
- Quiet operation
- Solid access door with magnetic gasket
- Microprocessor controller with built in Error codes
- Optional alarm contacts available

(TF) Spark-Proof Freezers -15°C to -18°C

- All electrical parts and controls are outside working space
- Natural gravity convection air movement
- Manual defrost
- Solid state electronic display
- Plastic inbuilt moulded liner
- Freezing coils positioned above each draw/bin compartment
- Fixed position pull out PVC drawers/bins
- Floor standing
- Quiet operation
- Solid access door with magnetic gasket system.
- Microprocessor controller with built in Error codes
- Optional alarm contacts available

Model	TR-130-SP	TR-240-SP	TR-270-SP	TF-90-SP	TF-180-SP
Capacity	130 Litres	240 Litres	270 Litres	90 Litres	180 Litres
Internal Dims (hwxwd mm)	70x46x43	127x45x43	146x46x43	65/43x40x40	124x40x38
External Dims (hwxwd mm)	84x54x53	151x55x56	165x53x57	87x54x60	151x55x56
Temperature Range	+2°C to +6°C			-15°C to -20°C	
Shelves	3	5	5 with 1 drawer	3	4
Electrical	1A 240V				
Defrost Method	Cyclic	Cyclic	Cyclic	Manual	Manual
Weight	50kg	66kg	90kg	45kg	66kg