

A range of refrigerator and freezer models particularly suited to routine laboratory applications with sizes from small benchtop to full height free standing. Thermo Electron refrigerators provide features not available in domestic models and meet the demanding requirements of the laboratory environment. All models will operate in ambient temperatures of up to 32°C and will recover temperature more rapidly after door openings or power cuts.

Prior to delivery units are factory tested for 24 hours using a calibrated datalogger and temperature mapped with internal probe sensor for accurate temperature verification. Chart trace results are included with all manuals.

Racking systems for any size and combination of sample container are available for all cabinets. These allow the most efficient use of space and allow rapid location of any specimen.

Product Features

- Sparkfree interiors, giving reduced risk of internal explosion
- Automatic temperature control
- Thermostat mounted outside cabinet
- Tough white exterior
- Easily cleaned molded plastic interior
- Lockable door for product security
- Evaporator design minimises temperature gradient
- Adjustable shelves
- Manual defrost
- CFC-free and HCFC-free refrigeration system and insulation
- CE approved
- Laboratory rated
- Product FR218SF and FR157SF feature digital control for $\pm 3^{\circ}\text{C}$ temperature accuracy



FR259SF pictured

Specifications

Cat No	FR292SF	FR259SF	FR291SF	FR218SF	FR157SF
Capacity ltrs (cu. ft)	82 (2.8)	142 (5)	277 (9.7)	343 (12.0)	418 (14.8)
Sparkfree Interior	Yes	Yes	Yes	Yes	Yes
External Dimensions HxWxD	650 x 500 x 515	850 x 500 x 590	1486 x 530 x 630	1835 x 605 x 575	2050 x 595 x 635
Internal Dimensions HxWxD	541 x 448 x 373	749 x 448 x 446	1343 x 421 x 470	1250 x 475 x 500	1475 x 495 x 500
Weight (kg)	25	30	51	69	71
Shelves Supplied	2 /1 drawer	2 /1 drawer	5 /1 drawer	4	4
Door Lock	Yes	Yes	Yes	Yes	Yes
Temperature Range	0°C to 10°C	0°C to 10°C	0°C to 10°C	0°C to 10°C $\pm 3^{\circ}\text{C}$ Digital	0°C to 10°C $\pm 3^{\circ}\text{C}$ Digital
Max. Ambient	32°C	32°C	32°C	32°C	32°C
Matching Freezer	FR282SF	FR281SF	FR298SF	FR220SF	FR156SF

* Depth decreases by 150 mm in bottom compartment

Ordering Information

Cat No	Description
FR292SF	Sparkfree Laboratory Freezer, 2.8 cu ft
FR259SF	Sparkfree Laboratory Freezer, 5 cu ft
FR291SF*	Sparkfree Laboratory Freezer, 9.7 cu ft
FR218SF	Sparkfree Laboratory Freezer, 12 cu ft
FR157SF	Sparkfree Laboratory Freezer, 14.8 cu ft

Accessories

Cat No	Description
FR156/1	Audible, visual alarm thermometer and external alarm system
FR156/2	Remote alarm contact / volt free
FR156/3	Audible, visual alarm thermometer, indicator only
FR156/16	Access point, 25 mm diameter
FR156/22	4-20 milliamp, analog output