

Refrigeration

Ultra-low Temperature Chest Freezers

- ◆ Choice of temperature ranges:
 - -10°C to -45°C
 - -60°C to -85°C
- ◆ Unique refrigeration system with single-stage, Danfoss® compressor and patented refrigerant used
- ◆ Recessed control panel with keypad setting and bright, LED temperature display
- ◆ Low loading height
- ◆ R404a refrigerant
- ◆ Built-in overtemperature safety system with audible alarm
- ◆ Quiet operation, <51dB
- ◆ PVC laminated, galvanised steel interior with steel lid and 100mm polyurethane insulation
- ◆ Double seal lid gaskets and sublids
- ◆ Counterbalanced lid with locking handle
- ◆ Defrost water drain hole provided
- ◆ Battery back-up maintains settings and alarms
- ◆ Mounted on heavy-duty, 50mm diameter castors for manoeuvrability
- ◆ Low energy consumption

Cat. No.	Temp. range -10 to -45°C* Temp. range -60 to -85°C*	RG416-07 RG416-42	RG416-12 RG416-44	RG416-17 —
Capacity, maximum	litres	130	299	416
	2ml cryotubes [#]	8400	21600	31500
Dimensions, H x W x D	External, mm	920 x 725 x 730	920 x 1305 x 730	920 x 1705 x 730
	Internal, mm	650 x 320/520 [†] x 450	650 x 900/1100 [†] x 450	650 x 1300/1500 [†] x 450
Weight	kg	56	78	94

*At ambient temperatures up to +25°C (+30°C - 130 litre models only) and voltage fluctuation <±10%. Only suitable for 50Hz supplies.

[#]Using RG416 racks, 50mm high cryoboxes with 10 x 10 dividers.

[†]There is a raised ledge, 250 x 200mm H x D at the right side of the chamber base to accommodate the compressor housing beneath.

As described. For 220-230V 50Hz single phase supplies. For use in ambients up to +25°C (+30°C - 130 litre models only).

- RG416-07** -10°C to -45°C, 130 litres
- RG416-12** -10°C to -45°C, 299 litres
- RG416-17** -10°C to -45°C, 416 litres
- RG416-42** -60°C to -85°C, 130 litres
- RG416-44** -60°C to -85°C, 299 litres

Accessory Racks

Stainless steel. For use particularly with cryogenic boxes up to maximum dimensions 135 x 135 x 51mm L x W x H. With handle and retaining bar (to secure boxes during transportation). Dimensions stated are overall W x D x H. Supplied singly and empty.

	Dimensions, mm	Shelves
RG416-90	140 x 140 x 335	6
RG416-95	140 x 140 x 610	11

Note:

Maximum rack capacities for RG416 chest freezers are as follows*

- 130 litres freezer will hold 3 x RG416-90 and 6 x RG416-95
- 299 litres freezer will hold 3 x RG416-90 and 18 x RG416-95
- 416 litres freezer will hold 3 x RG416-90 and 27 x RG416-95

*Other configurations are possible, please advise your requirements.



RG416-07



RG416-17