



CHEST CRYOGENIC

105 °C FREEZERS



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Chest Cryogenic - 105 °C Freezers

Chest Cryogenic – 105 °C Freezer CRQ 1400

Chest cryogenic (-105 °C) freezer CRQ 1400 is a 105 L, horizontal laboratory freezer for safe storage and semi-permanent preservation of biological and laboratory specimens. It ensures long-term protection and preservation of sample integrity by maintaining a vitrified state within and outside the cell. The fin fan cooler and mixed CFC-free cooling system facilitates optimum cooling with low energy consumption. The audio-visual temperature deviation alarm system and digital display enable easy operation.

Features

- ✦ Single stage refrigeration system
- ✦ Class I protection class
- ✦ Rapid cooling rate
- ✦ Digital temperature display for easy and accurate operation
- ✦ CFC free mixed refrigerant and foaming agent (environmental friendly)
- ✦ Energy efficient preventing temperature fluctuations
- ✦ Dual door sealing with insulation
- ✦ Audio-visual temperature deviation alarm system (customizable)
- ✦ Casters with brakes
- ✦ Lockable door to prevent unauthorized access

Chest Cryogenic - 105 °C Freezers

Chest Cryogenic - 105 °C Freezer CRQ 1401

Chest cryogenic (-105 °C) freezer CRQ 1401 is a 200 L, horizontal laboratory freezer for safe storage and semi-permanent preservation of biological and laboratory specimens. It ensures long-term protection and preservation of sample integrity by maintaining a vitrified state within and outside the cell. The fin fan cooler and mixed CFC-free cooling system facilitates optimum cooling with low energy consumption. The audio-visual temperature deviation alarm system and digital display enable easy operation.

Features

- ✦ Single stage refrigeration system
- ✦ Class I protection class
- ✦ Rapid cooling rate
- ✦ Digital temperature display for easy and accurate operation
- ✦ CFC free mixed refrigerant and foaming agent (environmental friendly)
- ✦ Energy efficient preventing temperature fluctuations
- ✦ Dual door sealing with insulation
- ✦ Audio-visual temperature deviation alarm system (customizable)
- ✦ Casters with brakes
- ✦ Lockable door to prevent unauthorized access

Chest Cryogenic - 105 °C Freezers

Chest Cryogenic – 105 °C Freezer CRQ 1402

Chest cryogenic (-105 °C) freezer CRQ 1402 is a 300 L, horizontal laboratory freezer for safe storage and semi-permanent preservation of biological and laboratory specimens. It ensures long-term protection and preservation of sample integrity by maintaining a vitrified state within and outside the cell. The fin fan cooler and mixed CFC-free cooling system facilitates optimum cooling with low energy consumption. The audio-visual temperature deviation alarm system and digital display enable easy operation.

Features

- ✦ Single stage refrigeration system
- ✦ Class I protection class
- ✦ Rapid cooling rate
- ✦ Digital temperature display for easy and accurate operation
- ✦ CFC free mixed refrigerant and foaming agent (environmental friendly)
- ✦ Energy efficient preventing temperature fluctuations
- ✦ Dual door sealing with insulation
- ✦ Audio-visual temperature deviation alarm system (customizable)
- ✦ Casters with brakes
- ✦ Lockable door to prevent unauthorized access

Applications

Used for long-term storage and safe preservation of biological samples, laboratory specimens and stem cells in clinical, medical and research institutes

Chest Cryogenic - 105 °C Freezers

Specification

Model No	CRQ 1400	CRQ 1401	CRQ 1402
Capacity	105 L	200 L	300 L
Loading capacity	20 pieces / 20' GP	12 pieces / 20' GP	12 pieces / 20' GP
Interior temperature (adjustable)	(-60 °C to -105 °C)	(-60 °C to -105 °C)	(-60 °C to -105 °C)
Cooling system	Single stage refrigeration	Single stage refrigeration	Single stage refrigeration
Condenser	Fin fan cooler	Fin fan cooler	Fin fan cooler
Refrigerant	Mixed CFC refrigerants	Mixed CFC refrigerants	Mixed CFC refrigerants
Temperature display	Digital	Digital	Digital
Evaporator	Copper tube	Copper tube	Copper tube
Sensor	Pt100	Pt100	Pt100
Alarm	Audio-visual	Audio-visual	Audio-visual
Door handle material	Aluminum	Aluminum	Aluminum
Door material	Single foamed	Single foamed	Single foamed
Door orientation	Top open	Top open	Top open
Power supply	220 V / 50 Hz or 115 V / 60 Hz	220 V / 50 Hz or 110 V / 60 Hz	220 V / 50 Hz or 110 V / 60 Hz
Rated input	0.7 kW	0.75 kW	0.85 kW
Power consumption	9.0 kW.h / 24 h	9.6 kW.h / 24 h	11.2 kW.h / 24 h
Interior material	Stainless steel	Stainless steel	Stainless steel
Exterior material	Powder coated steel	Powder coated steel	Powder coated steel
Insulation thickness	150 mm	125 mm	125 mm
Interior dimension (W x H x D)	410 x 550 x 460 mm	710 x 560 x 510 mm	1010 x 580 x 510 mm
Exterior dimension (W x H x D)	1140 x 930 x 760 mm	1390 x 930 x 760 mm	1690 x 930 x 760 mm
Weight	100 kgs	160 kgs	180 kgs