Pharmaceutical Refrigerator

LabTech Manufacturer of Lab. Ind. & Med. Equipments

Temperature range : from 2℃ to 10℃

Feature

Precise Temperature Control System
Microprocessor PID controller ensures the most accurate temperature control and maintains cooled temperature during defrost cycle by unique designated technology

PC Software System
RS-232C / 485 interface to LIS / HIS requirement with monitoring software is supplied

Self-Diagnostic and Alarm System

- High / Low working room temperature Alarm
- Electric power failure Alarm
- Status of door opening warning Alarm
- Low battery for controller warning Alarm
- Operating temperature check in high and low
- Password locking system for set temperature

Non-CFC/HCFC Refrigeration System
CFC/HCFC-free Hermetically sealed compressor and Natural Refrigerant gas are used for compliance with the New Environmental Regulation

IQ-OQ Documentation & Validation
is provided on request as optional order

High-density Polyurethane foam Insulation
With 60mm thickness Insulation provides excellent low temperature and maintains cool temperature for a long time in case of power failure

Vacuum sealed Pair Glass Door
With embedded invisible heating film prevents viewing window from moisture condensation

Automatic Defrost and Dehumidify System
Unique air flow circulation and defrost system provides high precision temperature uniformity and stability

User Friendly Design
- Built-in Fluorescent lamp with ON/OFF switch and circulation fan stops while door is opening
- Door key Lock device and password lock for safety
- Height adjustable epoxy powder coated shelf

Magnetic packing with adjustable tension Door
Magnetic packing with adjustable enforced tension door prevent cold temperature from any air leakage

Pt-100Ω RTD Sensor
Provides the exact temperature control for products in the chamber(Option : Sensor in liquid bottle)

Custom made order is available
Specifications can be changed without prior notice for quality improvement.
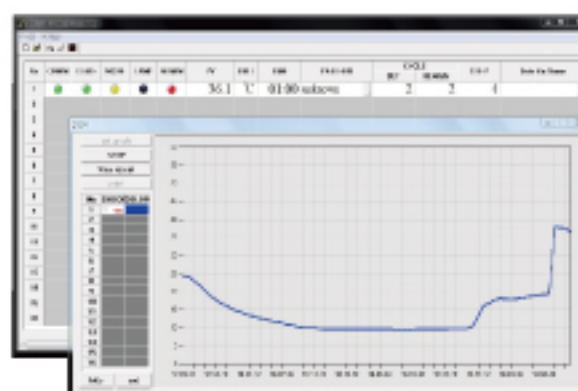
Pharmaceutical Refrigerator

Control System

- Compliance with International
  Medical standard and KFDA

- Audible / Visible Alarm System

PC Software System

RS - 232/485 Interface
Graphic monitoring for
temperature on real-time

Alarm System

- High / Low temperature alarm
- Electric power failure alarm
- Status of door opening warning alarm
- Low battery level warning alarm
- High and low temperature check alarm
- Password for set parameters protection
- Self-Diagnostic and alert system
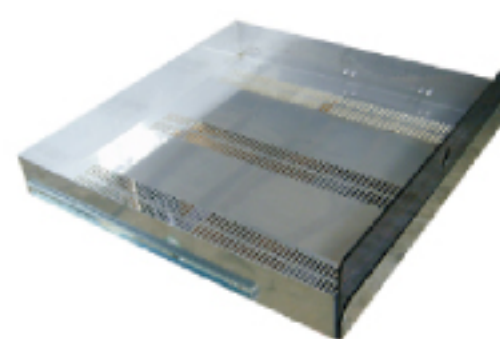
Equipped as Standard

Battery Back up System

Optional Accessories

7-days Chart Recorder

STS Drawer Shelf

Digital Recorder

MODEL		LCV-202GR	LCV-203GR	LCV-204GR
Dimensions	Inner	560 x 660 x 800	620 x 700 x 1410	1140 x 700 x 1410
(W x D x H mm)	Outer	683 x 775 x 1490	740 x 805 x 1985	1260 x 805 x 1998
Capacity		295 ℓ	612 ℓ	1125 ℓ
Refrigerator	Non-CFC	1 / 4 HP	1 / 4 HP	1 / 2 HP
Defrost Heater		300 W	300 W	300 W
		Stable temperature during defrost cycle		
Epoxy Powder Coated Wire Shelf		3 EA	6 EA	12 EA
Controller		Microprocessor Digital PID Controller with Battery back up system		
Display		4 Digit LED Display & LED signal lamps		
Temperature		2℃ to 10℃		
		Set accuracy ± 0.1℃ / Uniformity ±1℃ at 4℃		
Temperature Alarm		Set High limit & Low limit temperature, Audible and Visible Alarm		
Material	Interior	Stainless Steel 304		
	Exterior	Epoxy powder coated EGI steel		
Door		Vacuum Sealed Pair Glass Swing Door : Invisible heat film embedded,		
		Key locker, Adjustable tension spring, Magnetic packing door		
Air Circulation		Turbo Fan with automatic stop / run during door open		
Safety		High / Low Temp. Protector, ELCB, Thermal Protector		
Electric Supply		110V 60Hz or 220/230V 50/60Hz		

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