



These Quick Freezers are designed for quick freezing and storing of Blood Components, Serum, Vaccines, Biological and Medical Specimens, Clinical Samples etc. at low temperatures.

These units are available in horizontal and vertical versions. Constructed of double walls, the exterior is made of sheet steel while the interior is stainless steel having PUF insulation to minimize heat loss.

Salient Features:

- Choice of 4 different models to suit individual needs
- Low Temperature up to -20°C (in AC room)
- Stainless steel inner chamber
- Extremely efficient PUF insulation to minimize heat loss
- High-tech solid state digital indicator-cum-controller

Optional Accessories:

- Seven days circular chart recorder

Technical Data				
	Vertical Freezers		Horizontal Freezers	
	RQFV-170	RQFV-265	RQF-170	RQF-265
Minimum Temperature	-20°C	-20°C	-20°C	-20°C
Internal Volume	170Ltrs.	265Ltrs.	170Ltrs.	265Ltrs.
Int. Dimensions W x D x H (mm)	500 x 430 x 850	580 x 500 x 990	600 x 400 x 700	950 x 400 x 700
Ext. Dimensions W x D x H (mm)	630 x 580 x 1380	700 x 660 x 1590	1150 x 500 x 910	1500 x 500 x 910
Inner Chamber Material	Stainless Steel 304 (AISI Grade, Non Corrosive, Non Magnetic)			
Outer Body Material	Powder Coated CRCA Steel			
Recommended Voltage Stabilizer	VS - 02	VS - 02	VS - 01	VS - 01

Supply: 220-240 Volts, 50 Hz Single Phase.



LED
Standard



LCD
Optional



TFT
Optional

Salient Features :

- Temperature up to -20°C / -40°C (AC room)
- Upright models with small foot prints
- Unique design of thermal barrier for better energy efficiency
- Machine filled PUF insulation to eliminate void pockets
- Adjustable trays
- Hermetically sealed Compressor with CFC free refrigerant
- Alarms for high/low set parameters
- Sensor failure alarm
- Electrical circuit breaker
- Time delay for compressor switch on
- Overload cut off relay for compressor
- Rounded inner chamber for easy cleaning
- Attractive door profile
- Microprocessor controller with LED display of Temperature with set, process value & audio visual alarm (standard)

Optional

- 4" LCD version with additional features (Details overleaf)
- Touch screen display (TFT) with additional features (Details overleaf)
- Validation protocol with IQ, OQ, PQ Documentation

REMI Deep Freezers are designed for storage of biological samples in biotech, life science, clinical research as well as medical & pharmaceutical specimens, serums, vaccines, blood components. These freezers are available with temperatures up to -20°C and -40°C.

These freezers are available in standard & GMP versions.

LCD Display

Features

- 4 Inch attractive LCD display
- Intelligent Controller helps maintain temperature in case of sensor failure
- Battery Backup for Temperature Controller
- Auto tuning of controller
- Self-Diagnosis for errors
- Histogram format of 24 hours temperature recording
- Power failure and resumption recorded with date and time
- Settable High / low alarm points
- Memory for storage of upto 1000 records
- Centronic interface to record Temperature, Date, & Time by attaching Dot Matrix printer with adjustable print interval
- Alarm on equipment / output for remote alarm
- PC communication through RS-485 with data acquisition software
- Remi '**Datasoft**' Data acquisition software complying to 21 CFR part 11 as per USFDA Guidelines (optional)

Touch Screen Display

Features

- 7 inch big colour touch screen
- PLC (Programmable logic controller)
- Memory of 10,000 records
- Centronic interface to record Temperature, Date & Time by attaching Dot Matrix printer with adjustable print interval
- PC communication through REMI Datasoft
- Ethernet port
- Battery backup in case of power failure for display, alarms & off-line data logging (optional)

REMI 'Data Soft'

Features

- Multiple level alpha numerical password with password ageing
- Secured audit trail report
- Alarm report with mention of alarm condition
- Mean Kinetic Temperature able to be calculated for any days & alarm deviation report
- Reports in graphical and tabular form
- Data Stored in PC server with Lan connectivity and can be monitored on PC with password authentication
- Multi chamber data acquisition on single software
- Communication through RS 485 / TCP IP
- GSM Mobile Alert for six Numbers

Optional Accessories

To be Ordered separately

- Data logger for 8 Point temperature recording with sensor printer interface and software
- Seven days circular chart recorder
- Software as per 21 CFR Part 11 requirements
- PLC Based Control System with HMI Touch Screen
- Biometrics Magnetic Door Access for Secured Door opening with software to maintain log
- Validation (mapping) consist of one cycle for temperature at any one set point for 24 hours on empty and loaded condition
- Standby Refrigeration System
- GSM alert through SIM card

Technical Data

	RQV-200 Plus	RQV-300 Plus	RQV-400 Plus	RQV-500 Plus	RQV-600 Plus	RQVD-200 Plus	RQVD-300 Plus	RQVD-400 Plus
Internal Volume (Liters)	200	300	400	500	600	200	300	400
Number of trays	2	3	4	5	6	2	3	4
Internal Dimensions W x D x H (mm)	660x765x450	660x765x650	660x765x850	660x765x1050	660x765x1250	640x755x 430	640x755x 630	640x755x830
External Dimensions W x D x H (mm)	800x975x1020	800x975x1220	800x975x1420	800x975x1620	800x975x1820	800x975x1020	800x975x1220	800x975x1420
Minimum Temperature	-20°C					-40°C (AC room)		
Insulation (CFC free polyurethane foam)	70 mm minimum for Body & 80 mm for Door					80 mm minimum for Body & 80 mm for Door		
Temperature control	Microprocessor							
Display	1" - 7 Segment, Big Size LED							
Power Failure Alarm	Visual Alarm							
Door Open Alarm	Audio Visual Alarm in case door open for over one minute							
Illumination	8 Watts Fluorescent Tube							
Internal Body Material	Stainless Steel - 304 grade (Standard Models), Stainless Steel - 316 grade (GMP Models)							
External Body Material	Powder Coated CRCA Steel (Standard Models), Stainless Steel - 304 grade (GMP Models)							
Noise Level	Less Than 65 db(A)							
Recommended Voltage Stabilizer	VS-02	VS-02	VS-03	VS-03	VS-03	VS-02	VS-03	VS-03

Supply: 220-240 Volts, 50 Hz Single Phase.