



**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 CFC free 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)
- Weight carrying capacity of each tray : 30 Kg Uniformly distributed
- Auto door closer
- Smart Handle with LED door closure indication

## Optional

- 4" LCD display with additional features (Details overleaf)
- Touch screen display (TFT) with additional features (Details overleaf)
- Validation protocol with IQ, OQ, PQ Documentation
- Port for calibration probes / safety back up

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
- 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

## Touch Screen Display

### Features

- 7 inch big colour touch screen
- PLC (Programable logic controller)
- Memory of 15000 records
- Centronic interface to record Temperature, Date & Time by attaching Dot Matrix printer with adjustable print interval
- Ethernet port
- Battery backup in case of power failure for display, alarms & off-line data logging (optional)
- Remi '**Datasoft**' Data acquisition software complying to 21 CFR part 11 as per USFDA Guidelines (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 RS-485 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
- Power failure and resumption recorded with date and time

## Optional Accessories

### To be Ordered separately

- Data logger for 8 Point temperature recording with sensor printer interface and software
- 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)	80 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	No							
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.