

REMI

PLUS
Performance
Leading Technology
User Friendly
Safety

Deep Freezers



The 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.

Performance

- Temperature up to -20°C / -40°C (AC room)
- Upright models with small foot prints
- Validation protocol with IQ, OQ, DQ Documentation as per ICH guidelines

Leading Technology

- Machine filled PUF insulation to eliminate void pockets
- Hermetically sealed Compressor with CFC free refrigerant
- Unique design of thermal barrier for better energy efficiency
- Microprocessor controller with LED display
- Sensor failure alarm

User Friendly

- Digital LED display of Temperature with set, process value & audio visual alarm
- Adjustable trays
- Data logger for 8 Point temperature recording with sensor, printer interface and software(Optional)
- Also available 4" LCD version with additional features (Details overleaf)

Safety

- Alarms for high/low set parameters
- Electrical circuit breaker
- Time delay for compressor switch on
- Overload cut off relay for compressor



Specifications subject to change without notice



Deep Freezers

Additional Features for LCD version:-

- 4 Inch attractive LCD display
- Intelligent Controller helps maintain temperature in case of sensor failure
- Battery Backup for Temperature Controller - 12 V, 7.2 Ah sealed maintenance free, Fully charged battery runs for more than eight hours
- Automatic Calibration
- 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 with date and time
- 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 /security gate
- PC communication with RS-485 and software complying to 21 CFR part 11 as per USFDA guidelines

Features of Software complying to 21 CFR part 11

- Multiple level alpha numerical password with password ageing
- Electronic signature and menu entered comment
- 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 any PC with password authentication
- Multi chamber data acquisition on single software

GMP versions are available only with LCD display with its built-in features and software



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)	640x755x430	640x755x630	640x755x830	640x755x1030	640x755x1230	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							
Temperature control	Microprocessor							
Display	1" - 7 Segment, Big Size LED							
Power Failure Alarm	Audio Visual Alarm							
Door Open Alarm	Audio Alarm in case door open for over one minute							
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
Electrical	220-240 volts, 50Hz, Single Phase							



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