



PRODUCT CATALOG

Brand - **BioGenix**

DEEP FREEZER

Product Description

• Deep Freezer

- BIOGENIX is a quality upright freezer designed for professional storage of frozen items. With perfect space utilization, the reliable and robust storage freezer has a wide range of applications within all food segments, where quality and design matters. The BIOGENIX can stand alone, or with advantage be placed side-by-side with the identically designed refrigerator .



Reliability and Key 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

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 up to 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 color touch screen
- PLC (Programmable logic controller)
- Memory of 15,000 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)
- BioGenix Data soft Data acquisition software complying to 21 CFR part 11 as per USFDA Guidelines (optional)

BIOGENIX '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
- 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 Specification

Model	BSD-200 Plus	BSD-300 Plus	BSD-400 Plus	BSD-500 Plus	BSD-600 Plus	BSD-200 Plus	BSD-300 Plus	BSD-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)	640 x 755 x 430	640 x 755 x 630	640 x 755 x 830	640 x 755 x 1030	640 x 755 x 1230	640 x 755 x 430	640 x 755 x 630	640 x 755 x 830
External Dimensions W x D x H (mm)	800 x 975 x 1020	800 x 975 x 1220	800 x 975 x 1420	800 x 975 x 1620	800 x 975 x 1820	800 x 975 x 1020	800 x 975 x 1220	800 x 975 x 1420
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 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
	220-240 volts, 50Hz, Single Phase							

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

Applications

- Deep Freezers are designed for the storage of
 - biological samples in biotech
 - life science
 - clinical research as well as medical & pharmaceutical specimens, serums, vaccines, blood components



Dealer Details



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