HUMIDITY CHAMBER

Brand: BioGenix®

OVERVIEW

Product Description

BioGenix Humidity Chambers are designed as per ICH Guidelines for precise monitoring of temperature and humidity conditions required for long-term, intermediate & accelerated stability studies at chemical, pharmaceutical, and agrochemical manufacturing facilities. These chambers are manufactured to comply with GMP requirements.

PRODUCT FEATURES

❖ Fulfills storage conditions of 25°C – 60% RH, 40°C – 75% M RH, 30°C – 65% RH
❖ Precise monitoring of temperature and humidity conditions
❖ Unique design of thermal barrier for better energy efficiency
❖ Machine filled CFC free PUF insulation to eliminate void pockets
❖ Powerful fan motor for forced air circulation to maintain uniform conditions inside the chamber within permissible limit Heating by long life SS tubular heaters
❖ Hermetically sealed Compressor with CFC-free refrigerant.
❖ Chamber calibration port on the side
❖ Adjustable trays
❖ Output for remote alarm
❖ Microprocessor controller with LCD display & capacitance type sensor
❖ 4 " attractive LCD display for direct display of humidity & temperature
❖ Auto tuning of controller
❖ Battery Backup for Controller
❖ Settable High / Low alarm points
❖ Centronic interface to record temperature, Humidity, Date & Time by attaching Dot Matrix printer with adjustable print interval

•BioGenix "Data soft" data acquisition software complies to 21 CFR part 11 as per USFDA Guidelines (Optional)

•Power failure and resumption recorded with date and time

•PC communication through RS – 485 with data acquisition software

• High-temperature safety cut-off & alarms for high/low set parameters

•Low water level alarm and power cutoff of boiler tank heater

•Time delay for compressor switch on

•Overload cut-off relay for compressor

•Rounded inner chamber for easy cleaning

•Auto door closer

•Attractive door profile

•Data logger for 8 points (4+4) temperature/humidity recording with sensor, printer interface, and software (Optional)

•Weight carrying capacity of each tray: 30 Kg Uniformly distributed

•Smart Handle with LED door Closure indication

TFT
Optional

Touch Screen Display

❑ 7 inch big colour touch screen

❑ PLC (Programable logic controller)

❑ Memory of 1000 records

❑ Centronics 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)

❑ Programmable cyclic timer for controlling illumination conditions

❑ BioGenix "Datasoft" Data acquisition software complying to 21 CFR part 11 as per USFDA Guidelines (optional)

BIOGENIX "DATA" SOFT FEATURES

•Multiple level alphanumerical 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

TECHNICAL FEATURES:

✓ Display	7 inch big color touch screen
✓ Temperature Range & Accuracy	10 Degree C to 60 Degree C, +- 1 Degree C
✓ Humidity Range (Rh) & Accuracy	40% to 95%, +- 3%
✓ Temperature & Humidity control	Microprocessor with Capacitance type sensor
✓ Power Failure Alarm	Visual Alarm
✓ Illumination	8 Watts Fluorescent Tube
✓ Internal Body Material	Stainless Steel - 316 grade
✓ External Body Material	Stainless Steel - 304 grade
✓ Insulation	80 mm minimum for Body & 80 mm for Door, CFC free polyurethane foam
✓ Noise Level	Less Than 65 db(A)
✓ Supply	220-240 Volts, 50 Hz Single Phase.
✓ Recommended Voltage Stabilizer	VS-04

TECHNICAL SPECIFICATIONS:

Temperature Range & Accuracy	10°C to 60°C, ± 1°C
Humidity Range (Rh) & Accuracy	40% to 95%, ± 3%
Temperature & Humidity control	Microprocessor with Capacitance type sensor
Display	4'' LCD Screen, Large size Display for ease of reading
Power Failure Alarm	Visual Alarm
Door Open Alarm	Audio Visual Alarm in case door open for over one minute
Humidity/Temperature Variation Alarm	Set Humidity ± 3% Rh, Set Temperature ± 1°C, Audio Visual Alarm
Illumination	8 Watts Fluorescent Tube
Internal Body Material	Stainless Steel – 316 grade
External Body Materia	Stainless Steel – 304 grade
Insulation	80 mm minimum for Body & 80 mm for Door, CFC free polyurethane foam
Noise Level	Less Than 65 db(A)
Recommended Voltage Stabilizer	BS-04

ORDER INFORMATION (Also Make as Per Required Size)

	SC-6 Plus	SC-10 Plus	SC-12 Plus	SC-16 Plus	SC-19 Plus	SC-28 Plus	SC-35 Plus
internal Volume (Liters)	200	280	370	450	540	800	1000
Number of tray	2	3	4	5	6	6	7
Internal Dimensions W x D x H (mm)	660 x 655 x 450	660 x 655 x 650	660 x 655 x 850	660 x 655 x 1050	660 x 655 x 1250	800 x 800 x 1250	800 x 800 x 1580
External Dimensions W x D x H (mm)	800 x 1095 x 1020	800 x 1095 x 1220	800 x 1095 x 1420	800 x 1095 x 1620	800 x 1095 x 1820	960 x 1370 x 1950	960 x 1370 x 2270

Dealer Details