

**PRECISE • RELIABLE • SECURE
CHAMBER FOR STABILITY TESTS**



TEST IT RIGHT THE FIRST TIME WITH MAXIMUS

CAPROMAX offers a range of MAXIMUS Series Humidity Chamber specifically developed, designed and manufactured for shelf-life or stability testing of drugs, health supplements, cosmetics, food, chemicals, packaging materials, components and others.

It stimulates the effects of temperature and humidity on the chemical, physical and biological characteristics of the product under test in an accurate and reproducible manner.

Using the latest technologies in environmental generation, distribution and control, this equipment operates in accordance to the requirements of ICH guidelines or other international standards.

Its simplicity in design is in-line with our vision to provide the industry with a reliable, easy to operate, low operation cost and low maintenance equipment.

Capromax MAXIMUS Series Humidity Chambers provide from standard solutions to fully customized needs of research, offering a wide range of options (capacity, temperature, humidity, etc.) and advanced control & data logging technology.



HOMOGENEITY IN TEMPERATURE AND HUMIDITY

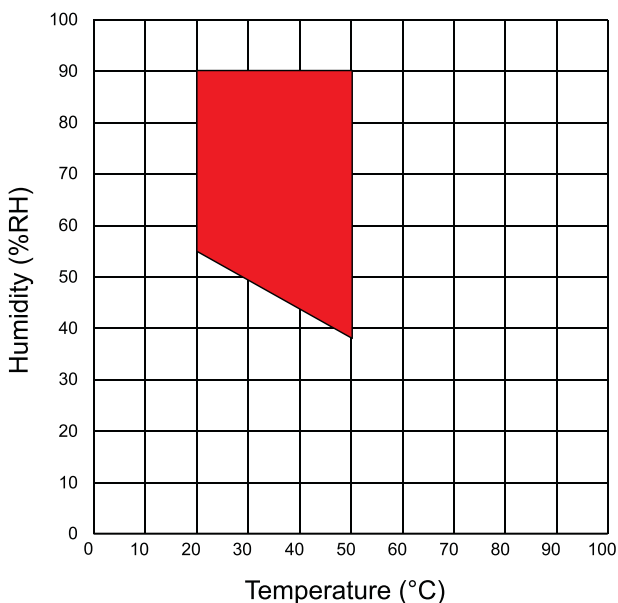
Despite its competitive price, no compromise has been made in the design, quality, reliability or durability of this equipment.

The **MAXIMUS** is suitable for:

- + **ACCELERATED** shelf-life / stability tests
- + **REAL-TIME** shelf-life / stability tests
- + **AGING** tests
- + **CONDITIONAL / ENVIRONMENTAL** tests

MAXIMUS SOLUTION:

- + Optimal chamber thermodynamics and air flow to ensure uniformity of climatic conditions
- + Latest electronic and PID control technology for precise climatic control
- + Robust and reliable electro-mechanical design
- + Simple and user friendly operation
- + Secure from unauthorised access
- + Flexible for numerous applications
- + Low operation and maintenance cost
- + Complete protection on operational safety
- + Quality construction materials and components
- + Environment friendly CFC free (R134a) refrigerant
- + Comprehensive operator and maintenance manual



Temperature – Humidity Chart For Maximus Humidity Chambers



MAXIMUS COMPETITIVE FEATURES:

- + All round interior and exterior stainless steel finishing
- + Special coated sensor to prevent long term drift in temperature and humidity reading
- + Air tight glass door with compression lock
- + In-build lamp to illuminate chamber interior
- + External door with key lock
- + Wire shelves for unobstructed air flow
- + Automatic power failure recovery with no operator intervention
- + Continuous operation with lightning and electrical surge protection
- + Refrigerant system protection and fault indicator lights

MAXIMUS OPTIONS:

- + SD Card Data Logger
- + Data Logging Software with SMS notification
- + External stainless steel water tank with water low alarm buzzer
- + Qualification documentation package (DQ, IQ, OQ & PQ)
- + Third party calibration certificates

CHAMBER FEATURES



Unique thermodynamics and air flow design for unparalleled temperature & humidity uniformity.



High efficiency circulation fans for fast temperature & humidity recovery.



Corrosion free stainless steel internal and external finishing.



LCD display and membrane keypad to simplify operation. Alarms are clearly displayed on screen.



External door with lock and key to secure from unauthorised access.



Air tight glass door and compression lock to prevent temperature & humidity fluctuation when external door is opened.



Protection fuses for all main electrical components.



Thermostat protection for heater and humidifier circuit.



Refrigerant system fault indicator lamps to ease user maintenance and troubleshooting.



Special protection coated sensor to prevent long term drift in temperature & humidity reading due to prolonged chemical fume exposure.



Proprietary PID controller for precise temperature & humidity control.



Optional SD Card Data logger for traceability.

TECHNICAL SPECIFICATIONS AT A GLANCE













M200

M450

M900

M1400

M2000

 EXTERNAL DIMENSIONS (HxWxD) (mm)	1,480 x 720 x 790	2,030 x 760 x 1,020	2,030 x 1,420 x 1,020	2,030 x 1,780 x 1,070	2,070 x 2,200 x 1,230
 INTERNAL DIMENSIONS (HxWxD) (mm)	660 x 510 x 610	1,230 x 560 x 610	1,230 x 1,220 x 610	1,610 x 1,320 x 660	1,610 x 1,700 x 740
 INTERNAL VOLUME (Liters)	205	420	915	1403	2025
 TEMPERATURE RANGE			20 - 50°C		
 TEMPERATURE UNIFORMITY			± 2°C		
 HUMIDITY RANGE			50 - 90 % RH		
 HUMIDITY UNIFORMITY			± 5 % RH		
 SHELVING	up to 2 shelves	up to 7 shelves	up to 7 shelves	up to 9 shelves	up to 9 shelves
 WEIGHT	approx. 280kg	approx. 380kg	approx. 500kg	approx. 600kg	approx. 750kg
 ELECTRICAL CONNECTION	single-phase + neutral + earth, 240V AC, 5A, 50Hz	3-phase + neutral + earth, 415V AC, 8A, 50Hz	3-phase + neutral + earth, 415V AC, 11A, 50Hz	3-phase + neutral + earth, 415V AC, 12A, 50Hz	3-phase + neutral + earth, 415V AC, 13A, 50Hz

** Other electrical supply options, capacity and temperature & humidity range are available upon request.



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