

CHAMBER DESIGN

As per GMP* guidelines for long duration test.
 Control Accuracy of temperature & humidity.
 Uniformity of conditions through out the chamber.
 Direct display of humidity in % **RH**.
 Pt 100 sensor for dry / wet bulb or capacitance type humidity sensor available.
 Printer interface compatibility.
 PC interface with RS 232-C / or RS-485 for multiple networking of controller.
 Built in high / low conditions alarm.
 Low water level cut off device.
 Complete stainless steel chamber also available.

CONSTRUCTION :

Inner S. Steel heavy gauge, outer CRCA powder and coated finish.
 PUF in-situ foam about 3" thick.
 Viewing window (Std) / full view inner door. (To select while ordering.)
 Castor Wheel for easy movability.
 High efficiency Refrigeration system (CFC Free)*
 Humidity Injection System with low water level cut off.
 Microprocessor based controller with **PID** action for Dry/Wet, Direc % **RH**, safety alarm.

SAFETY FEATURES :

Control system with inbuilt temp. deviation audio video alarm.
 A wet heater safety device.
 A dry heater safety device.
 Individual HRC fuses for Compressor, Air heater, Wet Heater and Mains.
 Validation : HMH Offers Validation Protocols for DQ, IQ, OQ & PQ Documentation complete with reports, calibration and te

TYPE OF CONTROLLER :

μP PID Controller with direct % RH setting (Pt 100 Sensor for Dry / Wet or Capacitance sensor.)	Order HE1
μP PID Controller - do - but with Printer Interface (centronic port)	HE1
μP P PID Controller - do - but with PC Interface through RS 232-C/RS 485 for multiple networking	HET
μP PID Profile Controller for Ramp / Soak for cyclic applications.	HETC

TECHNICAL SPECIFICATIONS :

Material of Construction : Inside S.S. & Outside S.S. Inside S.S. & Outside GI Powder Coat Finish.	Worki 50 X 50 X 50 ;
Humidity Range : 40% RH to 98% RH	50 X 50 X 70 ;
Temp. Range # : 10 ⁰ C to 60 ⁰ C	60 X 60 X 90 ;
Accuracy Temp. / RH : ± 0.20C & ± 3% RH	1m ³
(# Low temp. Range : -25 ⁰ C / -15 ⁰ C / -10 ⁰ C & 0 ⁰ C & 35% RH on request.)	(Bigger size o

NOTE :

An economical model is available with PID controller with direct % RH display having all above features but with out p
 (***Optional**). Due to continues R & D model & specifications may change. Picture shown with Optional accessories. €
 Rooms.