

Incubators-Humidity

Models: HC30-R, Humidity/Environmental Test Chambers, 850 liter



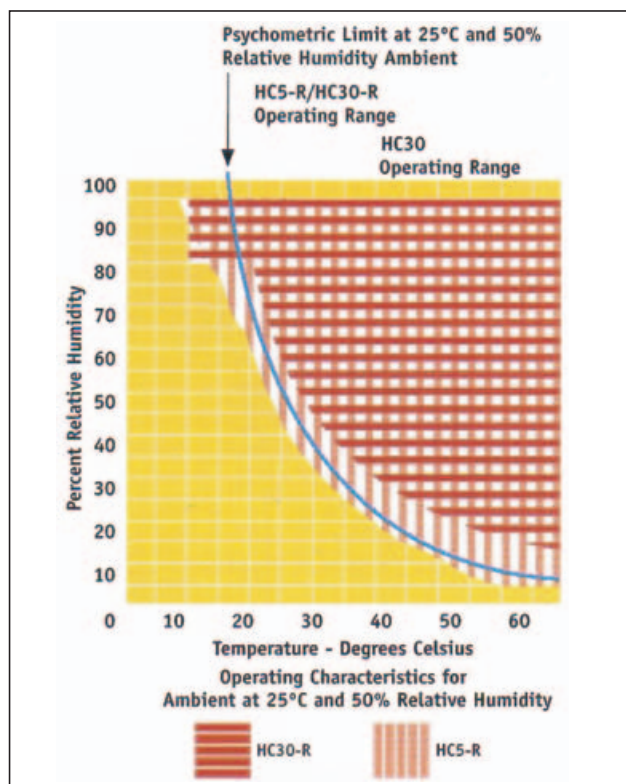
MRC Humidity Test Chambers provide a controlled environment for a wide range of industrial & biotechnical testing applications. This line is designed to duplicate natural conditions, that allows you to determine the limitations of a sample when exposed to various temperature and moisture fluctuations.

Features/Benefits:

- Stainless steel chambers are seamless for durability, corrosion resistance and quality
- Low-pressure water vapor generator system provides humidification without generating additional heat
- Microprocessor controls and digital readout display both temperature and humidity values
- Refrigerated models provide extended performance for temperature and RH ranges
- Two layers of insulation to maintain temperature & reduce heat loss

Applications:

- Shelf Life and Half-Life Testing
- Packaging
- Sterility Testing
- Mil-Specifications
- Component Burn-In
- Vapor Transmission
- Pharmacobtic



Vapor Generator for Humidity Control. MRC offers an innovative, low-pressure water vapor generator to control chamber humidification. This process compresses moisture and injects it into the chamber. Our humidity controller system is more reliable than the nebulization used by other manufacturers. This process is preferable to steam generation because steam introduces additional heat to the chamber atmosphere that can compromise temperature control. MRC's innovative vapor generator technology prevents the humidity generation components from vibrating, thus reducing maintenance and ensuring value.

Units are plumbed for standard water hookup and have a drain located in the bottom of the chamber. Operators can use a gravity feed water system or in-house water supply.

Microprocessor Controls and Digital Display for both Temperature and Humidity.

Microprocessor temperature and humidity controls with digital display provides optimal stability and allow for accurate control. Controllers have easy-to-use keypad, touch pads and a calibration feature. Setpoints have memory capabilities in the event of power outages.

Safety Features. The MRC safety controller provides independent, overtemperature protection (OTP) that operates independently from the main controller. The dual-control, failsafe function means a second system will ensure that temperature setpoint is never exceeded. By operating independently, it will take over and control the heating function if the main temperature setpoint is exceeded.

Water-Jacket Models Temperature Control. The small size Models HC5 and HC5-R feature a 16-gallon water-jacket design for optimal thermal insulation. These units are well equipped with separate fill and drain ports for quick and easy use. Uniquely designed copper strips act as a natural deterrent to algae growth and the anti-fungal door gasket is easily removed for cleaning or replacement.

Air-Jacket Models for Temperature Control. Our other floor models feature large air-jackets, that evenly disperse air within the walls to maintain excellent uniformity and ensure proper insulation. A blower is located in the top of the chamber and air ducts are on the sides.

Humidity/Env. Test Chambers Model	HC30R/HC30R-2
System Type	Humidity Test Cabinet
Controls/Display	Single Setpoint mProc.
Jacket Type	Air Jacket
Chamber Capacity (Liters)	850 Liters
Temperature Range	10° to 70°C
Temperature Uniformity	± 0.5°C at 37°C
RH Control Range	Amb. +10 to 95% at 25°C
External Dimensions in cm	109X89X216
Internal Dimensions in cm	78.7X69.8X156.2
Shelves Supplied	6 Shelves
Maximum Shelves	16 Shelves
Shipping Weight in kg	309 Kgs.
Certifications	UL, CE
Electrical Requirements	
Max. Watts at 120Vac	1680
Max. Watts at 220Vac	16500
Max. Amp draw at 120Vac	14
Max. Amp draw at 220Vac	7.5
Power Frequency/Phase	50-60 Hz/Single Phase