

UltraMist™ Moist Room Control System Temperature and Humidity Control for Concrete Moist Rooms

- Controls temperature to $23 \pm 2^{\circ}\text{C}$ per ASTM C511
- Maintains a relative humidity level of not less than 95%
 - Keeps core samples looking and feeling moist
 - High efficiency system reduces water usage
 - All required parts are included. Easy to install
 - Temperature and Humidity Data Logging



All Required Parts are Included.

Control Panel:

- A programmable logic controller (PLC)
- LCD touch screen
- Heated probe temperature and humidity sensor
- Sediment filtration to prohibit nozzle clogging
- Two solenoid valves for hot and cold water

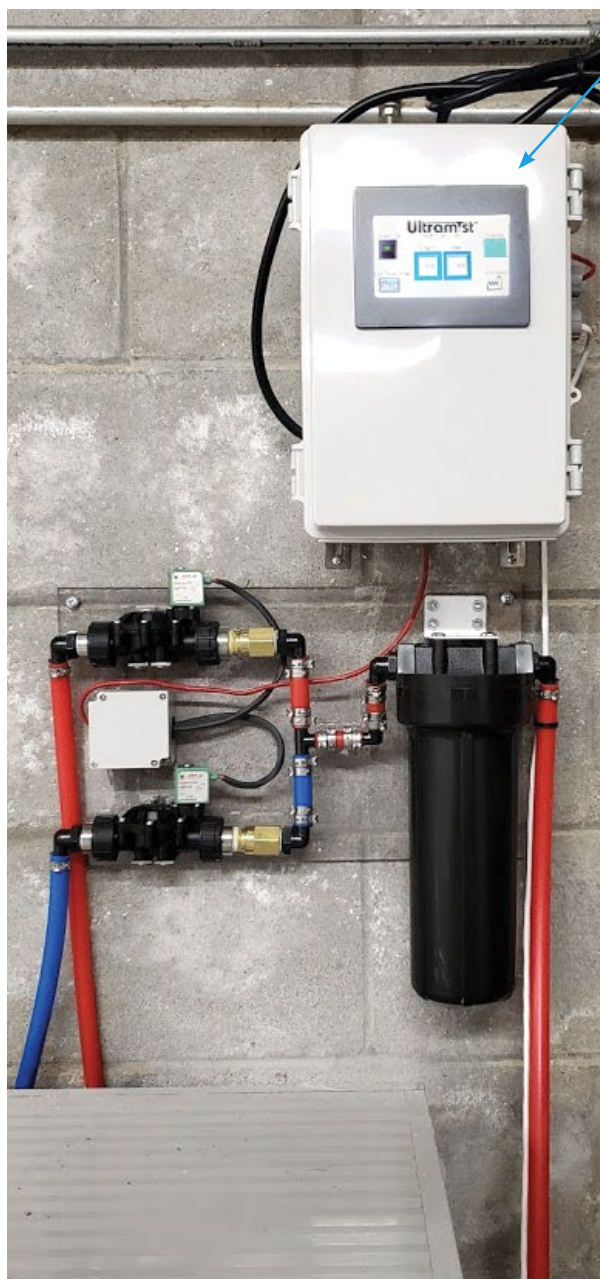
Mist Bar:

- UltraMist™ mist bar and nozzles are proven reliable since 1979.
- The 1/2"OD bars are easily connected with push-fit technology.
- Fifty-two feet of mist bar is provided. A nozzle is located every foot.
- The provided mist bar and nozzles cover a typical 10' X 15' room.



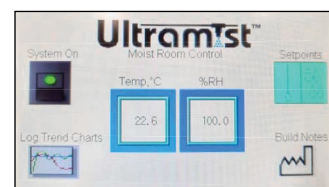
Facility Requirements:

- 110V 60HZ 20 amp outlet within 4 feet of the control panel
- Dedicated 40-gallon water heater set to a minimum of 125°F
- Hot and cold water plumbed near the control panel

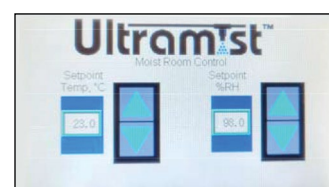


Data Logging:

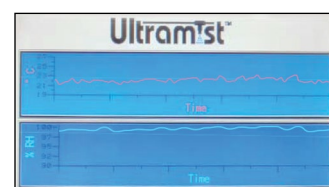
The PLC allows for real - time temperature and percent relative humidity data logging to be seen on the control panel. In addition, data logging of the temperature and percent relative humidity is recorded on a USB drive in .csv file format.



Main Screen



Setpoint Change Screen



Log Trend Charts -
real time logging

NOTE: PLC controls temperature by regulating hot and cold water valves. Your moist room will only get as cold as your cold water and as hot as your water.

Stop Unwanted Mold From Growing in Concrete Moist Rooms



Using Corrigan's activated oxygen (O3) technology with UltraMist effectively destroys the protective outside layers and replication capacities of molds, then converts back down to regular oxygen - leaving no toxic residuals.



Optional Add-on

Corrigan's TriOBreeze is natural and chemical free, with no maintenance.