



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

- Controls temperature to 23+/-2°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

UltraMist™ Moist Room Control

Facility Requirements:

- 120V 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 valve board
- Your moist room will only get as cold as your cold water and as hot as your hot water



Main Screen



Log Trend Charts - real time logging in °C or °F



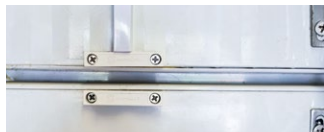
Valve Board

- Sediment filtration to prohibit nozzle clogging
- Two solenoid valves for hot and cold water

Control Panel

- A programmable logic controller (PLC)
- LCD touch screen
- Real-time temperature and percent relative humidity data logging, recorded on a USB drive in .csv file format

Magnetic Door Switch



Included with every system but optional to install, the magnetic door switch automatically turns the system off when the door opens, preventing personnel from getting wet.

Mist Bar



- UltraMist™ mist bar and nozzles are proven reliable since 1979
- The 1/2"OD bars are easily connected with push-fit technology
- 52 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

Sensor



Heated probe temperature and humidity sensor

Moist Room Control Options



Chiller System

For customers who may have a cold-water supply that gets above 65°F.

This system only cools your cold-water supply. The Moist Room insulation needs to be R25 rated, no greater than a 20°F temperature difference between inside and outside the room, no open windows/doors, and no operating HVAC duct work fighting the Moist Room Control.

Remote Monitoring Annual data fee required.

The PLC features remote access capabilities, enabling system monitoring and control from anywhere, with email alerts providing notifications of any alarms.

TriBreeze™ Activated Oxygen Technology

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



For customers who want to 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.