

CLOUD TECH'S HUMIDIFICATION SYSTEM FOR TEA INDUSTRIES

HUMIDIFICATION WITH FRESH AIR INTAKE

**EFFECTIVE COOLING &
HUMIDIFICATION**

**FRESH AIR
INTAKE**

NO WETTING

**WATER & AIR MIX
AUTOMIZATION**

**MAINTENANCE
FREE**



Cloud Mister Humidification System

INTRODUCTION

Cloud Tech systems were among the first used to cool and humidify environments. Over the last many years, research and development has kept Cloud Tech Humidification systems as a front runner in every industry that requires cooling, humidifying. Cloud Tech Systems (Mechanical Environmental Controls) designs and manufactures environmental control systems that cool, humidify.

Cloud Tech currently has World's best technology for effective Humidification with Cloud Mister Humidification System without wetting.

TECHNOLOGY

The Cloud Tech system consists of an arrangement of Cloud Misters, whose function is controlled by a central control module which consist of PLC unit signalled by Humidity, temperature controllers with sensors. The control module maintains the RH & Temperature requirements of different zones by controlling the flow of compressed air and water and activates the operation of the different zones Cloud Misters based on signals received from a sensors of these zones, which is specified according to the application.

The Cloud Tech system uses ordinary water, filtered, pumped and compressed air at 3 bar pressure is delivered down through PU pipes to Cloud Misters. Unique Cloud Misters are placed at various distances along the pipe. These misters with 4 nos of atomizing nozzles then creates water into billions of micron (1- 2 microns) sized particles which cool the surrounding air, as well as increasing its relative humidity without wetting.

LIST OF HUMIDIFICATION SYSTEM SETUP- CONTROL MODULE (CTHC100)

The major components of the control module are Program unit with outputs with digital controls signalled by Humidity controller, Timer, electrical protection.

Other than control module (CTHC100), this system consists of:

1. PU pipes for water & air flow.
2. Cloud Misters.
3. Air Compressors.
4. Starter Panel.
5. Solenoid valves.
6. Pressure regulators.
7. Pressure switch.
8. Filters

Salient Features of Cloud Tech Humidification System

- Effective Humidification (Upto- 95%)
- Effective Cooling without wetting.
- Fresh air intake.
- Water and air mixed atomization, 100% aerification, no blocking.
- Auto control system with sensors, keep stable and suitable indoor environment.
- Large spraying volume, long- term use.
- No clogging.
- No leakage.
- Maintenance free.

“REVOLUTION IN HUMIDIFICATION FOR TEA INDUSTRIES”

CLOUD MISTER HUMIDIFICATION SYSTEM

BY

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