

The Importance of Humidity

Many companies incur high expenses in order to maintain ideal temperatures and humidity levels within their applications. HVAC can be a solution to keep products at the proper temperatures but air conditioning units during the hot summer months have a tendency to decrease humidity levels, which as a result can cause products to dehydrate or dry out. This can get very costly in terms of product shrinkage.



Humidity



Aquatronics Advantage

- Patented nozzle technology design evenly distributes fine fog (droplet size as small as 4 microns).
- Smart touch screen display that allows for easy and precise humidity and temperature control right at your fingertips.
- App based remote access capability via smart phone or computer.
- Plug and play module that only requires air and water source.
- 100% water efficiency. No drain required.
- Low operating pressure 40PSI.
- Customizable to adapt to any size room or facility.
- Optional "zone control" allows for individual control for different humidity levels in separate areas within a facility.
- Closed loop system that works on line pressure so it sprays fog from water source with every spray.
- Low maintenance required.
- Nozzles are capable of increasing relative humidity levels up to 98% without any wetness.

The Aguatronic System

Aguatronics is a state of the art smart humidity system that efficiently optimizes relative humidity in any application. Aguatronic's patented nozzle technology incorporates fractal geometry to precisely atomize water using air. Within the nozzle, air's potential energy is converted into kinetic energy and then mixed with water. This high velocity mixture causes the water droplets to atomize and discharge through the nozzle in the form of a fine consistent fog.

System Applications

This system can be applied to a wide variety of applications. Following are some examples and common uses for the system.

- Cold Storage
- Paper & Textiles
- Wineries
- Theatre/Performing Arts
- Manufacturing
- Hatcheries
- Laboratories/Clean Room
- Disinfection Equipment



Nozzle options available



Canon Nozzle

- Designed for application 50,000 plus square feet
- 2mm orifice
- Pre-fabricated mounting brackets
- Stainless steel nozzle with large clog free spray orifice
- Water discharge: 0.5-1.5 gal/hr
- Droplet size: 5-20 microns
- No drain required

Fogmist™ Track or Block

- Designed for applications smaller than 50,000 plus square feet
- Pre-fabricated mounting brackets
- Stainless steel block nozzle
- Track option is ideal for applications that require fog to be sprayed in a grid formation
- Nozzle capacity: 1/16 – 1/8 gal/hr
- Adjustable direction spray