

# Aquatronics™ Humidity System

Cutting-Edge High Volume Shrinkage Prevention



## The Aquatronics™ High Volume Humidity Control System

Aquatronics™ smart humidity system efficiently optimizes relative humidity while controlling water and energy consumption. It's patented nozzle technology uses air to precisely atomize water.

Pressured air and water combine in the nozzle resulting in a fine, dry fog. This humidifies the environment without wetting surfaces. Our fully-customizable system can be used for any humidification application.

### Aquatronics™ Advantage

- Patented nozzle design evenly distributes fine fog (as small as 6-10 microns)
- 100% water efficiency - No drain required
- High-tech control system with touch screen for precise humidity control
- App-based remote access capability via smart phone or computer
- Plug-and-play module that only requires air and water source
- Low air (20PSI) and water (40PSI) operating pressure
- Customizable to adapt to any size room or facility
- Low maintenance
- Non-clogging large nozzle orifice
- No standing water tanks - No risk of bacterial colonization



**Increases humidity levels up to 98% without wetness**

**High Volume Humidity Sprayer**



**Humidity**



# 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, especially during the hot summer months, have a tendency to decrease humidity levels, which can cause products to dehydrate. This results in product shrinkage and costly product loss.

## System Applications

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

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



## System Options Available



### Canon Nozzle

- Designed for large applications
- 2mm orifice
- Pre-fabricated mounting brackets
- Stainless steel nozzle with a large, clog-free spray orifice
- Water discharge: 1.0-1.5 gal/hr
- Droplet size: 6-10 microns
- No drain required

### Block or Bar Nozzle Options

- Designed for applications smaller than 10,000 square feet
- Pre-fabricated mounting brackets
- 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 spray direction
- Droplet size: 6-8 microns

