

# AirStreme™

## Automated Misting System

Easy to Use  
Easy to Install  
Easy to Program

The Airstreme™ product line is a complete offering of technologically advanced automated misting equipment and solutions. Professional quality design and precision controls make Airstreme™ systems and solutions the preferred choice of many commercial and industrial operations for applications including odor control, pest control, environmental cooling, dust suppression and humidification.

### Atomization

Atomization is defined as the conversion of a liquid into fine particles." The process of atomization has been, and continues to be used extensively in a wide range of applications and markets for its unique ability to effectively distribute liquids into the air.

Airstreme™ automated misting systems operate hydraulically to atomize liquids under high pressure through specialized tubing and nozzles, producing a mist or spray as warranted by the application.

### Controller/Pump Assemblies

Airstreme™ automated misting systems use technologically advanced and integrated controller/pump assemblies to pressurize water or dedicated solutions for misting applications. Each system offers a variety of programmable controls for enhanced functionality and automation.

### High Pressure Tubing

High pressure discharge tubing is connected from the outlet part of the controller to each atomizing nozzle in sequence and is capable of operating at pressures exceeding 250 psi. The flexible high pressure tubing is UV stabilized and has a wide range making it ideal for outdoor applications. The tubing also has excellent resistance to a wide range of chemicals including petroleum products, soaps, salt solutions and bases.

### Atomizing Nozzles

Specialized atomizing nozzles provide ultra-fine atomization at a wide range of pressures and flow rates. Their micro physical size allows for placement into small confined areas and provides a neat and clean appearance. The nozzles are designed with a stainless steel core assuring flow rates and durability. Self sealing o-rings provide a leak proof seal by hand tightening [no tools required] making installations fast and easy.



• **Durable**

• **Economical**

• **Performance**

• **Exceptional Quality**

• **Fully Automated**

## Odor Control

Odor neutralizing solutions can be drawn from a tank or directly injected into the misting systems inlet water supply to produce an ultra fine mist to combat airborne malodours. Nozzle layout is configured to maximize contact of mist with malodorous gases by strategic positioning at critical point sources.

**Reduce airborne odors**

**Improves public relations**

- Trash Rooms • Landfills • Compost • Transfer Stations • Sewage Treatment • Food Processing • Livestock Operations • Rendering Plants

## Pest Control

Pest control solutions can be drawn from a tank or directly injected into the misting systems inlet water supply to produce an ultra fine mist, effectively reducing the number flying and biting insects within or around a given area.

**Reduces flying & biting pests**

**Improves animal comfort**

- Livestock Operations • Golf Courses • Restaurants • Residential • Marinas • Outdoor Events • Hotels

## Environmental Cooling

Airstreme™ mist cooling systems provide efficient cooling flash evaporation of water through specialized misting nozzles without problems of excessive wetting or residual moisture. "Flash-evaporative cooling has been proven to reduce heat stress in both humans and animals by lowering ambient air temperatures."

**Reduces heat stress**   **Increases productivity**

**Improves animal comfort and health**

- Livestock Operations • Industrial Cooling • Exhaust Cooling • Outdoor Events • Theme Parks • Restaurants • Foundries

## Dust Suppression

Mist produced by the atomizing system attaches itself to fugitive dust particles to remove them from the air. The system provides effective dust suppression without excessive wetting of materials or equipment and can be an alternative to expensive dust collection systems.

**Reduces fugitive dust emissions**

**Creates a safe & healthy work environment**

- Landfills • Composting • Transfer Stations • Grain Storage • Recycling Facilities • Livestock Operations • Aggregate Processing

## Humidification

When combined with a humidistat, Airstreme™ misting system can maintain very precise humidity levels (20%-95%) without causing wetting. Nozzle layouts can be configured to achieve uniform or area-specific humidification.

**Reduces product shrinkage**   **Reduces product spoilage**

- Vegetable Storage • Tobacco Storage • Textile Storage • Greenhouse • Ventilation • Wineries

Introducing a sophisticated automated misting system with features and versatility like no other competitively priced system in the industry. AirStreme AMS05 series controllers integrate advanced electronics and durable mid-pressure pumps into one sleek and refined misting system. Imagine having the flexibility of digital programming with a back lit display and 365-day calendar clock to accommodate even the most demanding range of programming options.

Whether used for misting water or chemical formulations, AirStreme AMS05 Controllers provide high quality and reliable service for many industrial and consumer applications. AMS05 Controllers set the standard for class, function and versatility.

## FEATURES AND BENEFITS

- **Integrated Controller Design** – pump and programmable controller in one clean and polished system.
- **Adjustable Programming** – offers time of day and repeat cycle programming with adjustable run and off times.
- **Touch Pad Programming** – Easy to use and easy to program.
- **Weather/Corrosion Resistant Enclosure** – manufactured from impact resistant thermoplastics that will not rust, dent or peel.
- **Internal Pressure Gauge & Regulation** – allows precise control of flow and pressure control and prevents tampering.
- **Remote Control Ready** – includes circuitry to accommodate an AirStreme remote control.
- **365-day Calendar Clock** – real time clock and calendar with auto daylight savings time adjustment.
- **Large Backlit LCD display** – easy to read, even in low light.
- **Non-Volatile Memory** – holds programs indefinitely, an assurance against unreliable power.
- **Battery Back-up** – retains and restores calendar and clock functions in power outages.
- **Multiple Inputs** – see list of pre-programmed inputs below.
- **Tamper Proof** – lockable enclosure and internally mounted components with software lock-out prevents tampering.
- **Easy to Install** – quickly mounts to a wall or tank.
- **Electrically Certified** – certified to North American electrical standards.

## ODOUR CONTROL

## MOSQUITO CONTROL

## FLY CONTROL

## ENVIRONMENTAL COOLING

## DUST SUPPRESSION



## Available Accessories

Rain Sensor / Wind Sensor / Tank Level Sensor  
Low Pressure Switch / Tank Mix (Agitation)

**Easy to Install - Mount on the wall or on the tank.**

Provide a level of refinement and class to satisfy even the most discerning client. Optional wall or tank mounting adds flexibility and variety to installations while maintaining a clean and sophisticated appearance. Quick connect fittings allow fast and secure connections of plumbing parts while internally mounted components and programming lock-out features prevent tampering.



\*tank mounting brackets sold separately.



**Customize your programming to meet every need.**

With both event and repeat cycle programming included in the AMS05 advanced software package, operators can easily customize the misting settings to meet the specific needs of almost any application. From simple everyday event based programming to individual day repeat & event based programs, the AMS05 controller is the ultimate in automated misting.

**Programming Specifications**

- Event Based Programming: Based on single misting events at specific times during the day. Max 10 events per day. Program everyday the same or customize each day. ON times can be adjusted for each event.
- Repeat Cycle Programming: Based on a repeat misting sequence within a given event time period. Adjustable ON & OFF sequence. Max 10 events per day.
- Programming Parameters: Min Run Time: 15 sec / Min Off Time: 1 min.

**Operating Specifications**

- Optimal Operating Pressure: 200 psi
- Max Relief Pressure: 250 psi
- Max Dry Suction lift: 79 inches
- Max Ambient Air Temp: 50 degrees C
- Min Ambient Air Temp: 5 degrees Celsius

**Dimensions**

- Height: 14.5" + 2.5" (Mounting Flanges)
- Width: 12.5" + 2" (Hinges & Latches)
- Depth: 7.5"

**Electrical Specifications**

- Voltage/Frequency: 115V 60Hz.
- Current Draw: 6.3 Amp
- HP Rating: 1/3
- Electrically Certified (UL 508)

**Models**

- AMS05-35 (35 gph pump, 3 to 20 nozzles)
- AMS05-60 (60 gph pump 15 to 50 nozzles)

**Available Colours**

Blue (Standard), Green, Black, Grey

**Plumbing Specifications**

- 1/2" Inlet Tube Connection
- 3/8" Return Tube Connection
- 1/4" or 3/8" Discharge Tube Connection

**Ordering Specifications**

Example: AMS05 – 60 - Blue  
Model – Series - Colour