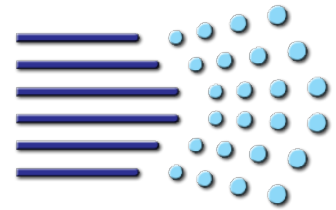


# Smart fog®

## NURSERY/GREENHOUSE SOLUTION



**PROVIDING AN IDEAL ENVIRONMENT FOR THE PLANTS  
HUMIDITY, COOLING, SPRAY  
3 FUNCTIONS IN ONE SYSTEM**

### THE SMART FOG ADVANTAGE

#### KEEP RELATIVE HUMIDITY WITHOUT WETTING

Our technology utilizes the patented enforcement technologies to reverse the correlation effect. This causes a consistent water droplet size of 4.2 microns ( 3-10 times smaller than any other dry fog system in the market) to be distributed and enforced into the air uniformly. This technology enables to create the necessary humidity in the greenhouse, while keeping all surfaces dry.

#### SPRAYING

The system also gives an advantage of never having to spray by hand again. The system provides the means of spraying any water dissolving insecticides, fungicides, fertilizer, disinfection and other material uniformly throughout the greenhouse. The dry fog droplets cover and penetrate with a thin film allowing maximum effect of any material applied through the system.

#### COOLING

With 100% evaporative vapor, every drop dispensed into the air cools the environment. The fractal phenomenon provides additional cooling by decreasing the vapor temperature.

#### OTHER SYSTEM ADVANTAGE POINTS

- **ELIMINATE** MOLD & DUST
- **ELIMINATE** AIR BOURNE PATHOGENS & DISEASES

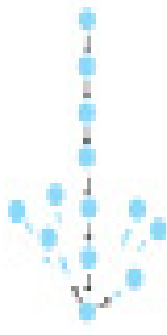
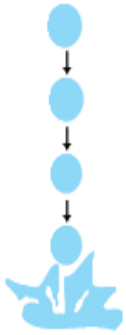


Get a free quote today! Call toll free: 1-800-921-5230  
[www.smartfog.com](http://www.smartfog.com) - [info@smartfog.com](mailto:info@smartfog.com)

# WHAT IS SMART FOG?

## Smart Fog

“Smart Fog is a fog that does not moisten the exposed surfaces”



Dry Fog droplets rebound from surfaces, like soap bubbles:

The secret of Smart Fog lies in the small droplet size of the water. At this size the droplets rebound from surfaces like soap bubbles. Smart Fog Inc has succeeded in manipulating the droplet size to be the smallest in the industry. According to researchers, the use of Smart Fog aids in reducing dust & air borne bacteria/viruses from the air.

Classification	Droplet size	Time for particle to fall 10 feet (seconds)
Wet Fog	10-49	40 - 1,020
Smart Fog	2-9	1,019 - 25,400

## ES100 SYSTEM

The **Smart Fog ES100**, provides a complete solution for maintaining humidity. The system comes with a user friendly control, allowing 24/7 automated control maintaining the required relative humidity. All systems operate utilizing only low pressure compressed air (100 psi) and any available water pressure.

### SYSTEM FEATURES

#### Compact Design

The ES100 System comes in a easy to mount 12"x16" box with either one or two Smart Fog nozzles (depending on the size of the facility - see below specs for details). The system comes with an installation and operations manual, for fast and simple installation. Smart Fog does provide a installation supervision service if required (please ask when requesting a quote).

#### Easy-to-maintain Mechanism

Ease of maintenance by one-touch disassembly. Connection to a optional water purifier keeps it in almost maintenance-free condition. The Smart Fog nozzles are maintenance free, and don't need to be replaced, allowing 100% continuous duty cycle. Maximum mechanical simplicity providing increased dependability.

#### Chemical Injection

The system can inject any water dissolving chemical/material through the system. All materials and chemicals injected through the system are distributed in the air equally - eliminating costly waste.

#### Conserve Water & Energy

ES100 System requires 15-20% less energy & 40-60% less water to achieve relative humidity than any other system in the market.

#### Support

Satisfying customer needs effectively has made us the most reliable solution in the industry. We take pride in providing personalized support and counseling, and resolving the customer's concern in a speedy manner.

#### System Requirements:

- Compressed Air: 2-5 CFM at 100 psi
- Water: 1.5-3 GPH 10-60 psi
- Electricity: 110VAC

All systems proudly engineered and manufactured in the USA

Get a free quote today! Call toll free: 1-800-921-5230  
[www.smartfog.com](http://www.smartfog.com) - [info@smartfog.com](mailto:info@smartfog.com)