



Smart fog[®]

Complete Ripening Room Humidification Solution

In the ripening room environment, the refrigeration and ethylene treatment creates low humidity. This causes the produce to dehydrate, crack and spot in some cases, reducing the quality of the produce. High humidity improves quality by adding moisture to the fruit, reduces bruising and cracking, and extend the shelf life of the produce.

Smart Fog[®] utilizes the patented enforcement technologies to reverse the correlation effect. This causes a consistent water droplet size of **4.2 microns** to be distributed and enforced into the air uniformly. All systems operate utilizing only low pressure compressed air (100 psi) and any available water pressure. The system is also capable of distributing any water dissolving materials through the system, without chemical waste on the floor.

Using our fully automated ES100 System specially designed for **SIMPLE INSTALLATION & LOW MAINTENANCE**, you'll be able to achieve the following:

- ✓ **PRECISELY MAINTAIN HUMIDITY**
- ✓ **MAINTAIN OPTIMUM PRODUCT QUALITY**
- ✓ **CONTROL ETHYLENE**
- ✓ **ELIMINATE MOLD, BACTERIA & DUST**
- ✓ **CONSERVE ENERGY & WATER**
- ✓ **SAFETY! LOW OPERATION PRESSURE**
- ✓ **NO WETTING ENSURED**

MADE IN THE USA

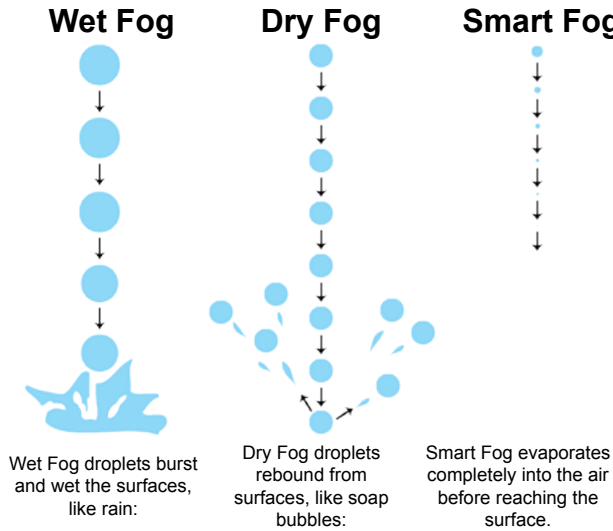


**MAINTAIN DISEASE FREE OPTIMUM
PRODUCE CONDITION FOR MAXIMUM
SHELF LIFE & QUALITY**

Get a free quote today! Call toll free: 1-800-921-5230

www.smartfog.com - info@smartfog.com

WHAT IS SMART FOG?



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

The secret of Smart Fog lies in the small droplet size of the water and the engineered spacing between the air and water. Smart Fog has succeeded in manipulating the droplet size to be the smallest in the industry. According to researchers the use of Smart Fog aids in the reduction of dust and air borne bacteria/viruses from the air.

Classification	Droplet size	Time for particle to fall 10 feet (seconds)
Wet Fog	11-49	40 - 1,020
Dry Fog	6-10	1,019 - 12,000
Smart Fog	2-4	12,001 - 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.

SYSTEM FEATURES

Compact Design

The ES100 System comes in a easy to mount 12"x16" box with either one or two Smart Fog Steams (depending on the size of the facility - see below specs for details). The system comes with an installation and operations manual, that will guide you step-by-step on how to install it. No need for professionals!

Easy-to-maintain Mechanism

Ease of maintenance by one-touch disassembly. Connection to a optional water purifier keeps it in almost maintenance-free condition.

Reliability

Smart Fog systems are maintenance free, and don't need to be replaced, allowing 100% Continuous duty cycle. Maximum mechanical simplicity providing increased dependability.

Support

Satisfying customer needs effectively has made us the most reliable solution in the Industry. We take pride in providing personalized support and counseling.



System Capacity:

ES100-1 Unit for rooms up to 1000 sqft
ES100-2 Unit for rooms up to 3000 sqft

System Requirements:

- Compressed Air: 2-4 CFM at 100 psi
- Water: 1.5-3 GPH 1-10 psi
- Electricity: 110VAC

All systems proudly engineered and manufactured in the USA

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HOW THE SYSTEM WORKS

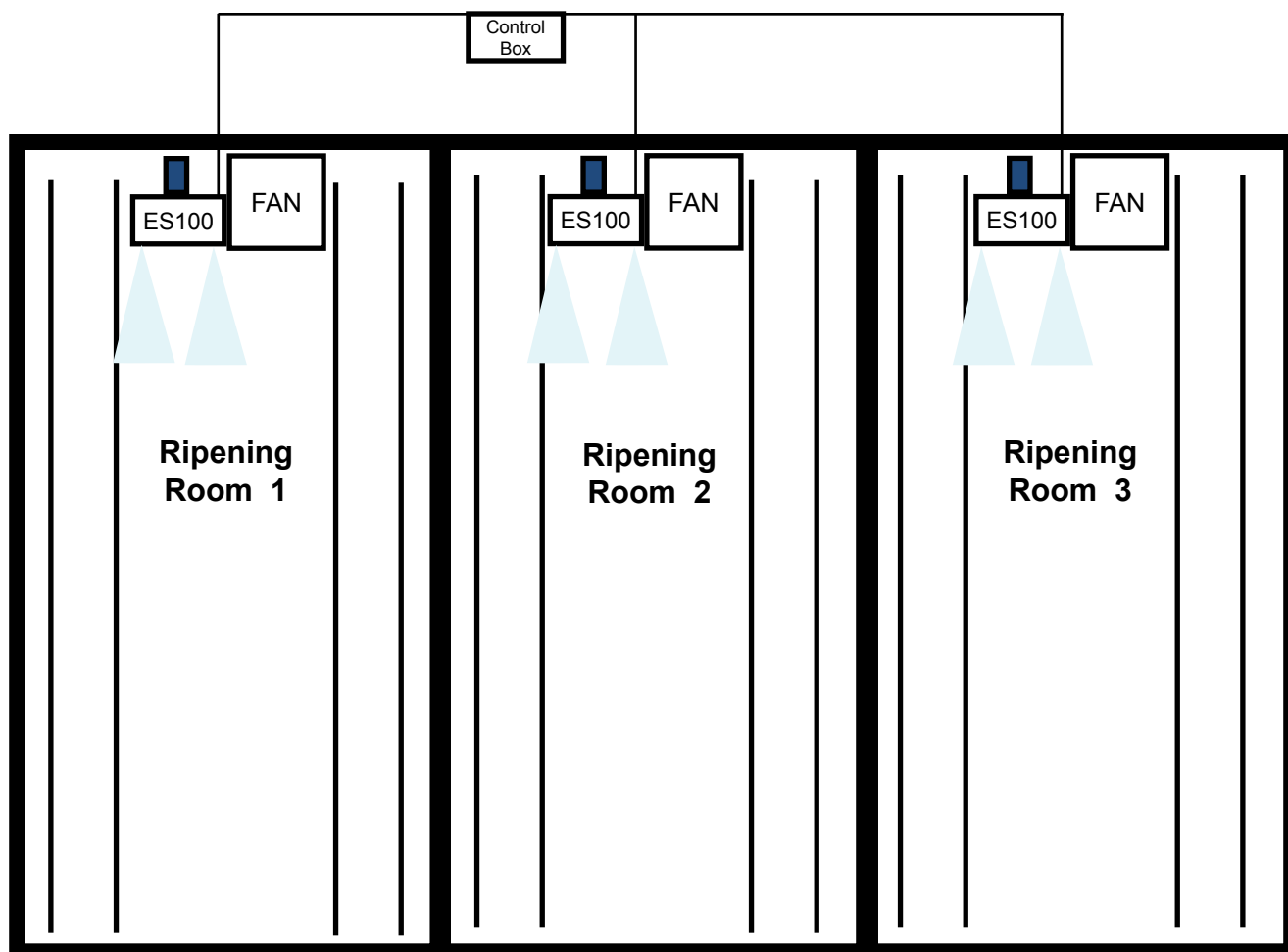
As seen in the diagram below, for each 3-4 ripening rooms we have one controller. Each room has one ES100 box plus a relative humidity sensor.

The required relative humidity is set at the controller for each room, as required. The controller reads from each room the relative humidity, and commands the ES100 to supply the required humidity. All rooms can work independently from each other.

Smart Fog controllers are designed for ease of use and user friendly operation, requiring minimal input from the user.

The controller can be connected to a PC for data collection and centralized control.

RIPENING ROOM SAMPLE LAYOUT



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