

HP Fogging

High Pressure Fogging with optional control

Description

Low humidity will have 2 dramatic effects on crops, plant stress and high abortion rates on flowers and fruit.

Our fogging system has been designed to be simple to install, usually no welding required, aluminum lateral; pipes 1.5m long, and the grower can install if they wish.

Systems can be designed to suit any environment size and are typically split up into zones to reduce pump size and power requirements. Our system is also designed to be installed in greenhouses that either have no or other environment control systems as we have a stand alone fogging controller as an option for the system that accounts for:

- ◆ Time of day
- ◆ Minimum temperature
- ◆ Maximum humidity

This controller then allows the grower to assess the efficiency of the 'true' fog and make adjustment's to settings to refine performance.

Applications

Greenhouses
Glasshouses
Nurseries
Propagation areas
Working areas
Crop holding areas

Controller Monitors

Temperature
Relative humidity

Optional Features

PC Interface
1-25 Additional
Temperature Sensors



Before fogging



After fogging



Advantages to the Grower

- Enhanced fruit set
- Watch trends in relative humidity and temperature over time to modify settings
- Alarms for high and low levels provide peace of mind when not on site
- Analyze and compare several different sites to get a correct overall picture of the temperature and moisture profile

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Frame Mounted Pump and Control System

This system includes a positive displacement pump, contactors, relief valve system, low level pump protection, filter system, rubber shock dampen system, water supply tank with float switch.

Fogging Heads and Pipes

Fogging heads nozzles come in either ceramic or brass with anti drip facility. Fogging laterals are aluminum lengths 1.5m and are mechanically fixed with a patented system to allow pressures in excess of 1800PSI.

System Design

When designing a fogging system for you we take into account

- ◆ *Typical and maximum temperatures and relative humidity within and outside the structure*
- ◆ *Structure cubic air volume and configuration*
- ◆ *Enthalpy calculations*
- ◆ *Typical air exchanges that can be expected*
- ◆ *Water source and quality*
- ◆ *Control system requirements and options*
- ◆ *Power source and reliability*

