Horticulture Industry Agriculture

Mjtech Fogsystems

HORTICULTURE
MASTER YOUR CLIMATE

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Plants exist for 80%-90% out of water. In addition of being a crucial growth medium, the plant evaporates this water for cooling itself. A high pressure fog system will ensure optimization and a more precise regulation of air humidity and temperature, which makes you more capable to regulate the moisture absorption by the leaves of the crops. You will also experience a reduction of water use compared to other systems, such as sprinkler or pad & fan installations.

All the atomized water evaporates in the greenhouse. This adiabetic cooling also ensures the CO2 remains longer in the greenhouse. This ensures cooling on an energy-efficient way, so your crops will feel more ‘comfortable’ in their environment.

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MJ-TECH: THE ULTIMATE REFERENCE!

Manufacturer and supplier of the best quality high-pressure fogsystems for horticulture, industry and agriculture.

MJ-Tech designs installations which create fog. This is being used to control humidity and to optimize natural cooling effects.

Due to our extensive experience and knowledge, based on worldwide projects, research and development, we are able to produce and assemble a suitable installation for each customer and situation.

BENEFITS

- Optimization and more precise regulation of air humidity and temperature due to the usage of a high pressure fog system.
- Reduction of water use compared to other systems. All the atomized water evaporates in the greenhouse.
- The optimized humidity ensures the improved capability of moisture absorption by the leaves of the crops.
- Energy-efficient cooling.

TECHNIQUE

A high-pressure pump compresses pure water through a special stainless steel nozzle, using a pressure of between 70 and 120 bars. The resulting fine fog does not end up on the surface but quickly evaporates into the air.

High-pressure atomisation allows you to control the humidity levels in the best possible way. The combination of heat and fine droplets creates evaporation. This evaporation extracts energy from the air, which results in a cooling effect.

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