

MicroCool®

fogging solutions



Greenhouse Environmental Control

The MicroCool® Greenhouse Environmental Control System provides ideal year-round growing conditions in both mechanically and naturally ventilated greenhouses. The MicroCool® system can maintain uniform climate control with humidity levels in extreme cold or dry hot climates. Our advanced fog technology produces a 10 micron water droplet through our patented nozzles that quickly evaporates to cool and humidify the air. The result is a controlled humidity level and temperature inside the greenhouse all year, preventing plant dehydration and promoting propagation, germination and plug production.

Best of all, the MicroCool system is easy to install and extremely cost effective to operate! Not only are plants happier but the MicroCool® System can reduce energy costs by as much as 30% over traditional Pad and Fan methods. Flexible hoses and swivel nozzles allow for a quick, simple and inexpensive installation that is completely modular and expandable. Optional Reverse Osmosis Systems and UV light bacteria-eliminating attachments are available to compliment the system.



Promote increased production and lower energy consumption in your greenhouse.

MicroCool® Humidity Control Systems are custom-designed and manufactured for each specific greenhouse structure and crop. The system can be easily installed by the grower. Pre-assembled sections connect quickly and simply, resulting in significant installation savings. The MicroCool® custom design team can assist you with any installation and maintenance questions.

MicroCool® fog systems can be integrated with fans, heaters, vents, screens and other devices to maintain constant humidity even under extreme conditions.

Humidity Control is one of a wide range of systems developed by MicroCool®. Since 1981, MicroCool® has exclusively manufactured its patented fogging nozzle. MicroCool® systems operate in over 40 countries worldwide.



Quiet and lightweight pump module.

- ▼ **Easily installed.**
- ▼ **Flexible hose lines and swivel nozzles set up quickly.**
- ▼ **Simple maintenance and operation.**
- ▼ **Choice of environmental controls or connection to existing control systems.**
- ▼ **Range of high-pressure pump modules operating at 1,000 psi (70 Bar). Quiet, compact and self-contained.**
- ▼ **High pressure flexible or stainless steel atomization line for even fog distribution.**
- ▼ **Patented nozzle can be oriented through 360° for precise fog delivery.**
- ▼ **Available in 50/60-hertz.**



Reduced energy and irrigation costs

Efficient control for temperature and humidity

Increased plug production, faster rooting, quicker growth, improved crop uniformity



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ISO 9001:2000

 Certificate No. 002419
 This product manufactured at the
 Nortec Air Conditioning Industries Plant,
 2740 Fenton Road, Ottawa, Canada, whose
 Quality Management System is certified as being
 in conformity with ISO 9001:1994



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 Printed on Recycled Paper

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Form 04-504