

# protect

Farm Management Made Easier

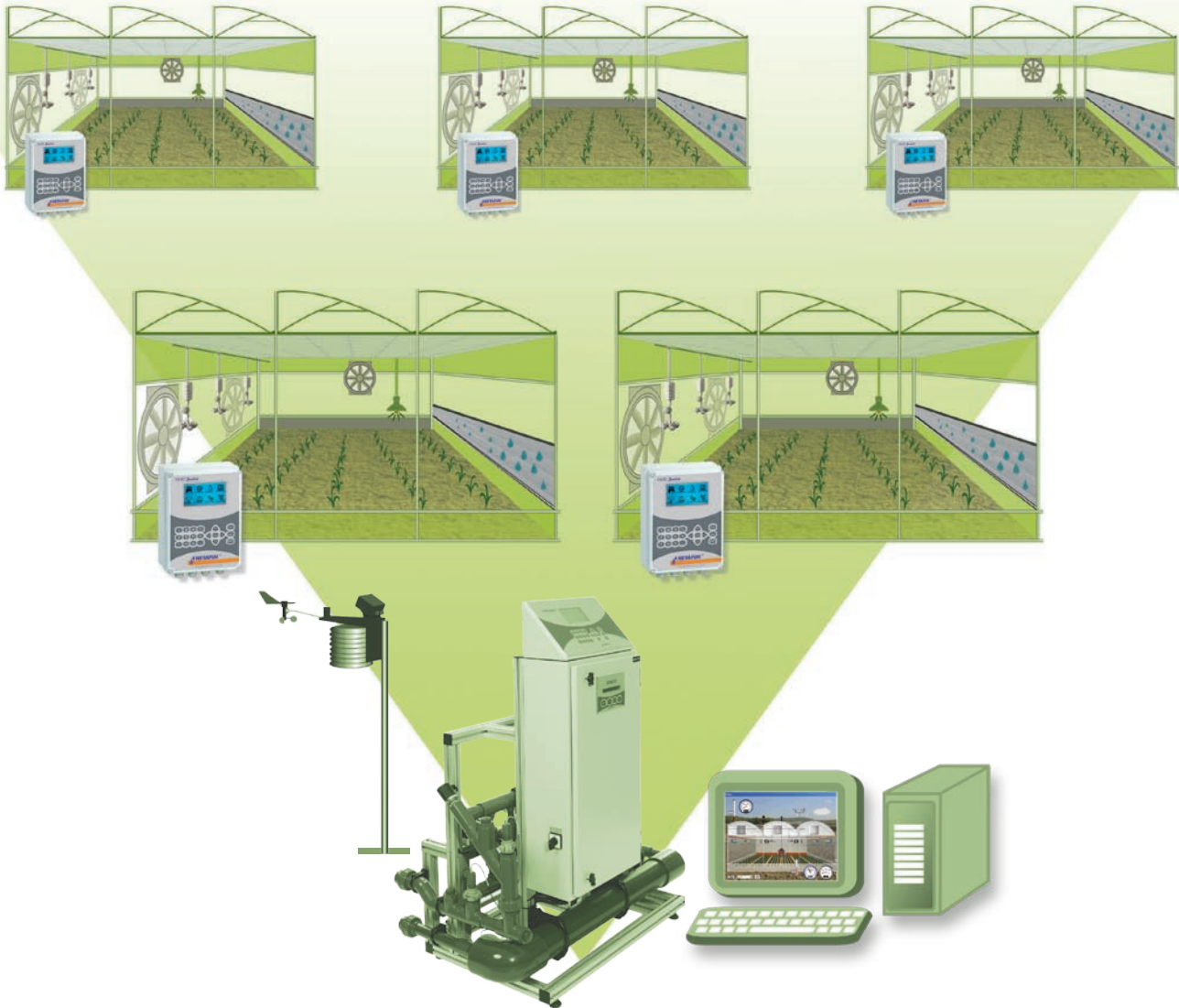


**Greenhouse**

A Better Way to Grow

# Greenhouse Solutions

## Comprehensive Solutions for Greenhouse Applications



Netafim™ leads the industry with inspirational and flexible solutions that are both cost-effective and resourceful for a wide range of greenhouse management. When it comes to close scrutiny and inspection of greenhouse control, Netafim's global expertise enables focused, modular solutions tailored to the exact crop type and climate of each greenhouse.

Netafim's smart Nutrigation™ management provides growers with innovative, scalable systems that ultimately enhance and improve their bottom line. Netafim's Climate Control System can manage up to 50 Greenhouses simultaneously while being combined with Nutrigation™ management for every greenhouse. In the end, it's all controlled by advanced PC software with a user-friendly interface.



# Netafim™ CMT

## Innovative Concept, Flexible Solution

Netafim™ offers flexible solutions that come with competitive price tags for providing monitor and control of dozens of greenhouses. A global expert in climate, water, energy and Nutrigation™ management, Netafim™ delivers flexible, innovative systems that can be adjusted to various climates and crops. Some of the Netafim systems are designed for simple applications while others are very sophisticated and targeted to high-end greenhouses located mainly in cold climates. Additional benefits include:

- User friendly controllers
- Advanced PC software
- Sophisticated water systems
- System reliability and longevity
- Project Integration
- After sale service

## Climate Control Challenges of Modern Greenhouses

It's an industry understatement that growers constantly place most of their focus on optimizing and maximizing their yields. It's also no industry secret that a greenhouse's internal climate can greatly influence the crops within. Thus for all greenhouse growers, monitoring and controlling climate and other processes is highly significant in order to meet the following targets:

- Air Temperature
- Air Humidity
- CO<sub>2</sub>
- Light
- Water
- Nutrients



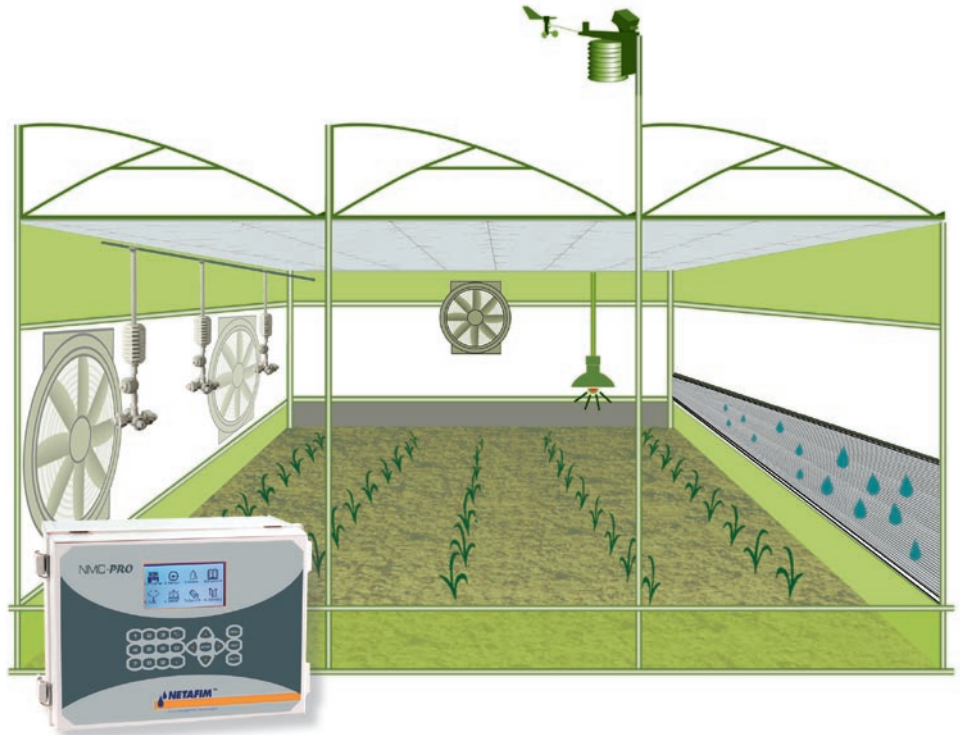
# Greenhouse Solutions

## Small to Mid Range Applications

Netafim™ offers standard applications available at cost-effective prices that save farmers labor and time by operating various processes such as:

- Heating
- CO<sub>2</sub>
- Cooling
- Humidification
- Crop protection
- Assimilation light
- Nutrigation™

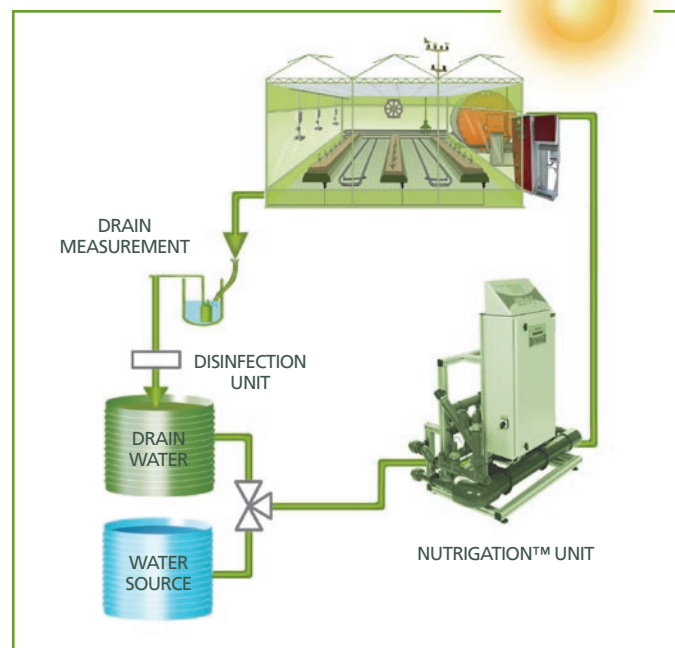
The systems are user-friendly and easy to install, maintain and operate.



## Water Recycling Management

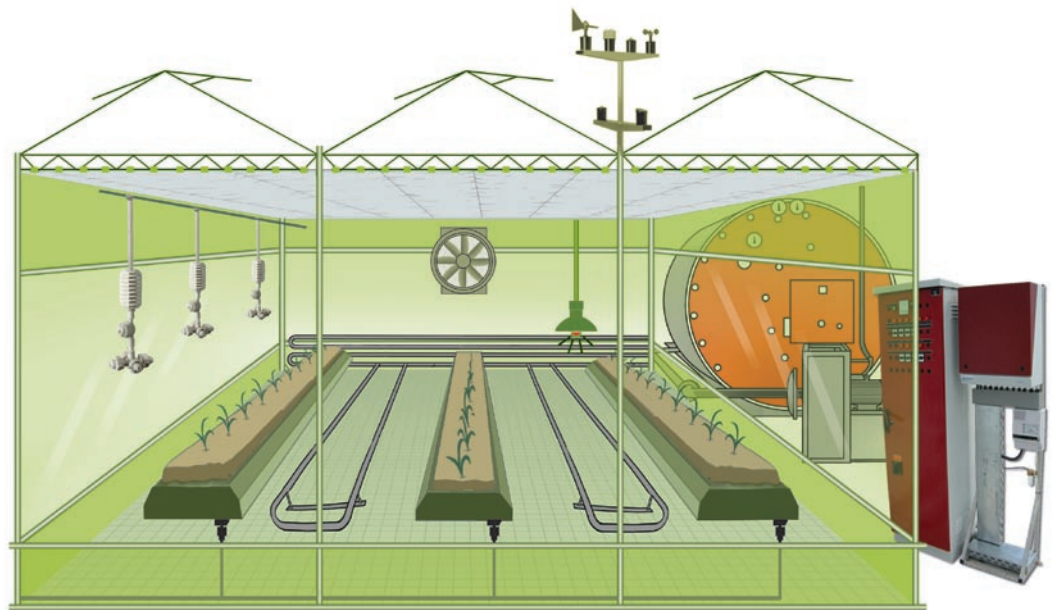
Netafim systems provide comprehensive solutions for soilless culture that include:

- Precise Nutrigation™
- Soil moisture measurement
- Drainage measurement and collection
- UV Disinfection Control Systems
- EC Pre mixing and control (Drain water with water source)



## Robust Solutions

Netafim™ delivers sophisticated systems that in addition to various standard applications offer Energy Management including Water Heating Systems with Heat Buffer Tanks, Modulating Boilers and CO<sub>2</sub> Condensers.



## Growing in Soilless Culture

In soilless culture, it's critical for growers to possess precise control over each milliliter of water and every drop of nutrient that each crop receives. Inaccurate water delivery to a soilless culture can potentially cause loss of production and root problems.

## Irrigation Strategy

Netafim™ Irrigation Controller can be set according to the radiation sum threshold combined with drain measurement. This provides the ideal quantity of water and fertilizers at the precisely defined intervals between irrigation sessions.





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