

FERTIMA

2025 CATALOG





Who We Are?

Fertima Agricultural Automation Systems A.Ş. is an innovative technology company leading the digital transformation of modern agriculture.

We make agricultural production more efficient, sustainable, and easier to manage by offering solutions such as smart greenhouse systems, precision irrigation and fertilization technologies, climate control, and data analytics.

We help farmers optimize their production processes with our automation systems that save water, energy, and labor. With our customer-focused approach, we develop customized solutions for producers of all sizes, working to increase efficiency and sustainability in agriculture.





Our Vision

Our vision is to become a globally recognized brand in the field of agricultural automation and to maintain our leadership in the sector.

MEET "FERTIMA", THE NEW NAME OF PRODUCTIVITY & TECHNOLOGY IN AGRICULTURE.



Fertima's goal is clear: To make technologies that increase efficiency, optimize resource use, and support sustainability in agricultural production accessible to everyone. With this vision, Fertima will continue to be a preferred brand not only in Türkiye but also internationally.

- The Address of Global Trust
- Strong Capital, Transparent Management
- Innovative Technologies, Tangible Gains
- From Farmers to Professional Greenhouses
- Strong Technical Service Network
- Investing in the Future with R&D

Our values



01 Innovation

02 Sustainability

03 Reliability

04 Farmer Focus

05 Efficiency

06 Collaboration

Advantages of Fertima Machines

01

Increased Productivity

It increases productivity by providing the nutrients that plants need at the right time and in the right amount.

02

Saving Time

Thanks to automatic systems, it eliminates the need for manual fertilization and saves labor.

03

Water and Fertilizer Savings

Prevents unnecessary fertilizer and water use with precise dosing and contributes to sustainable agriculture.

04

Homogeneous Nutritional Distribution

It supports healthy growth by delivering equal amounts of nutrients to all plants.

05

Earth and Environment Friendly

It reduces soil salinity and prevents environmental pollution by preventing excessive use of fertilizer.

 **FERTIMA**

Advantages of Fertima Machines

06

Protects Plant Health

It prevents nutrient deficiencies and ensures disease-resistant plants..

07

Automation and Remote Control

Thanks to smart systems, the fertilization process becomes automatic and can be monitored remotely.

08

Improves Product Quality

Plants with more balanced nutrition produce products of higher quality and higher market value.

09

Quick and Easy Application

It is much faster than manual processes and can be easily applied even in large areas.

10

Reduces Costs

It provides cost advantages to manufacturers in the long run by using less labor and resources.

FERTIMA

How to Choose the Appropriate Machine for Fertilization?

Purpose of Use and Type of Agricultural Activity

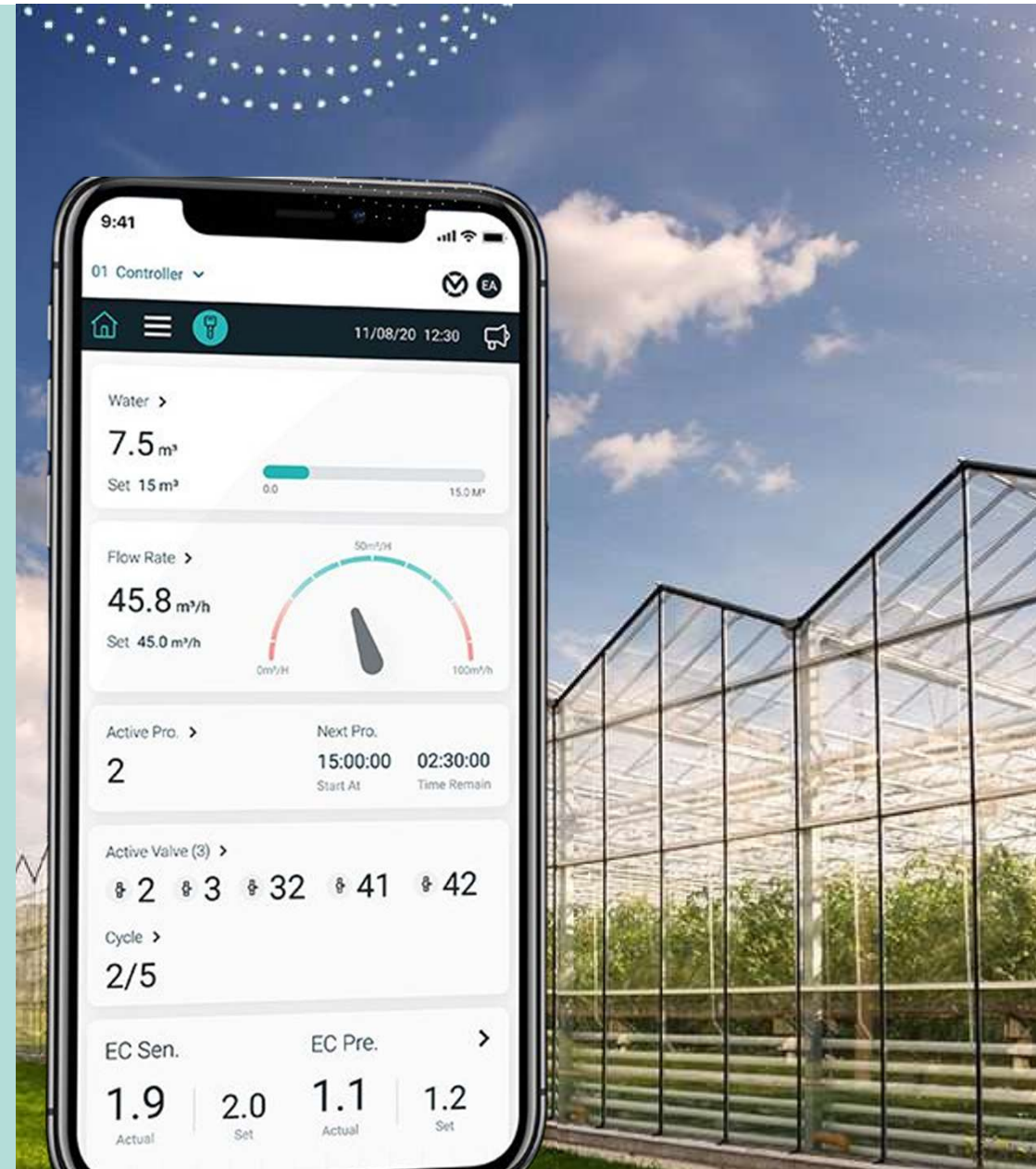
- Will the field be open or greenhouse farming?
- Is it suitable for systems such as soilless agriculture or drip irrigation?

Fertilization Method Liquid Fertilization (Fertigation):

- If fertilization is to be done through an irrigation system, it must be compatible with automatic dosing systems.
- Solid Fertilization: For granular or powder fertilizers, mechanical or pneumatic distribution must be available.

Level of Automation and Control Manual Systems:

- May be sufficient for small-scale production.
- Semi-Automatic Systems: Efficiency can be increased with certain adjustments.
- Fully Automatic and Smart Systems: Provide precise dosing, remote control, and data monitoring.



Capacity and Area Size

- Low-capacity models may be sufficient for small-scale farms.
- High-capacity, multi-compartment machines should be preferred for large-scale agricultural operations.
- Integrated Irrigation System Compatibility
- Compatibility with Drip Irrigation: Allows for fertilizer application along with water.
- Compatibility with Sprinkler Irrigation: Provides even distribution over large areas.

Compatibility with Fertilizer Type

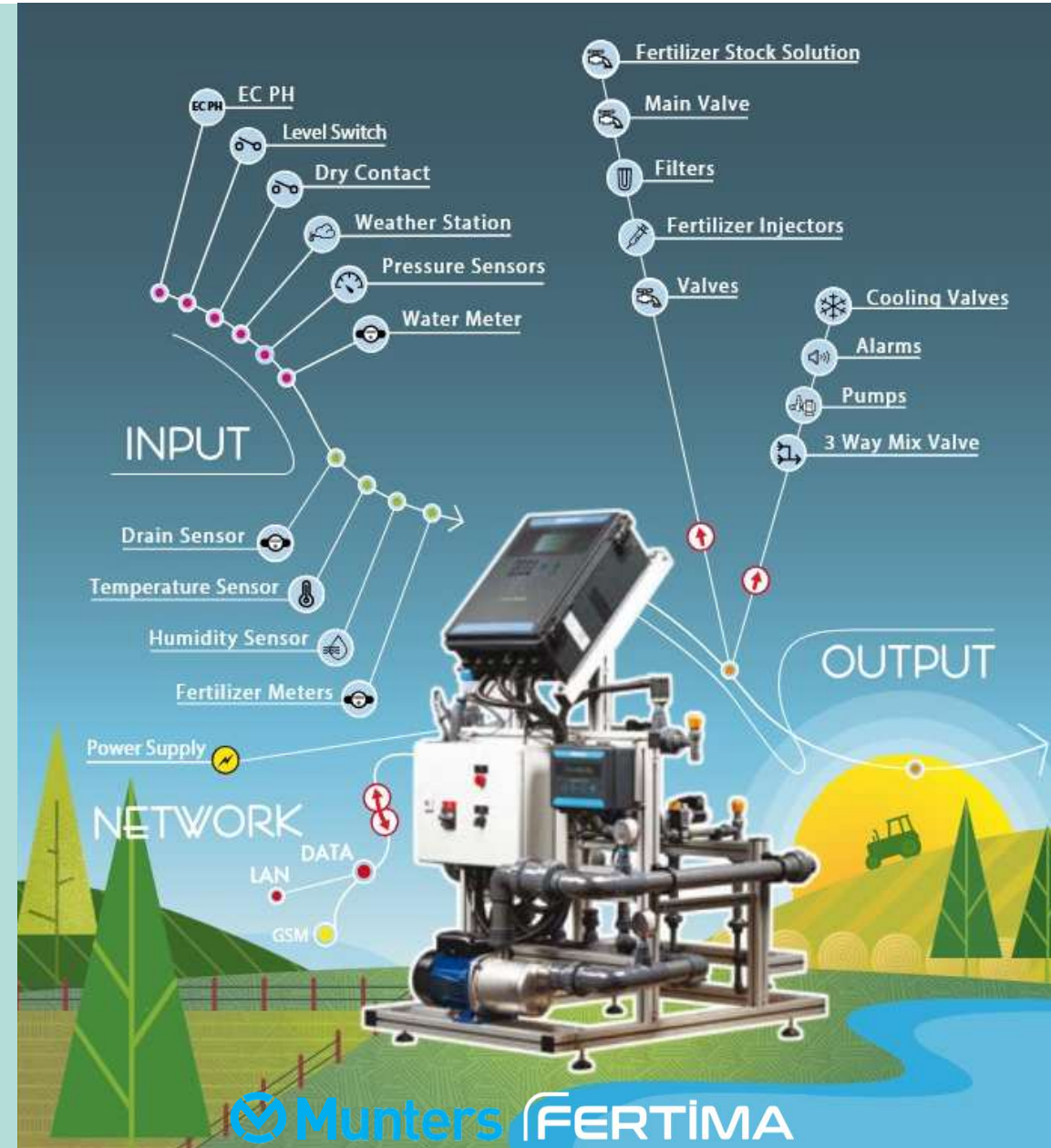
- It should be able to accurately mix and distribute liquid, powder, or granular fertilizers.
- It should have a mixing mechanism that prevents fertilizer settling.

Energy Consumption and Efficiency

- Electric, solar, or mechanical system options should be considered.
- Models that offer high efficiency with low energy consumption should be preferred.

Durability and Ease of Maintenance

- It should be manufactured from stainless steel or chemically resistant materials.
- Models that offer easy maintenance and spare parts availability should be selected.

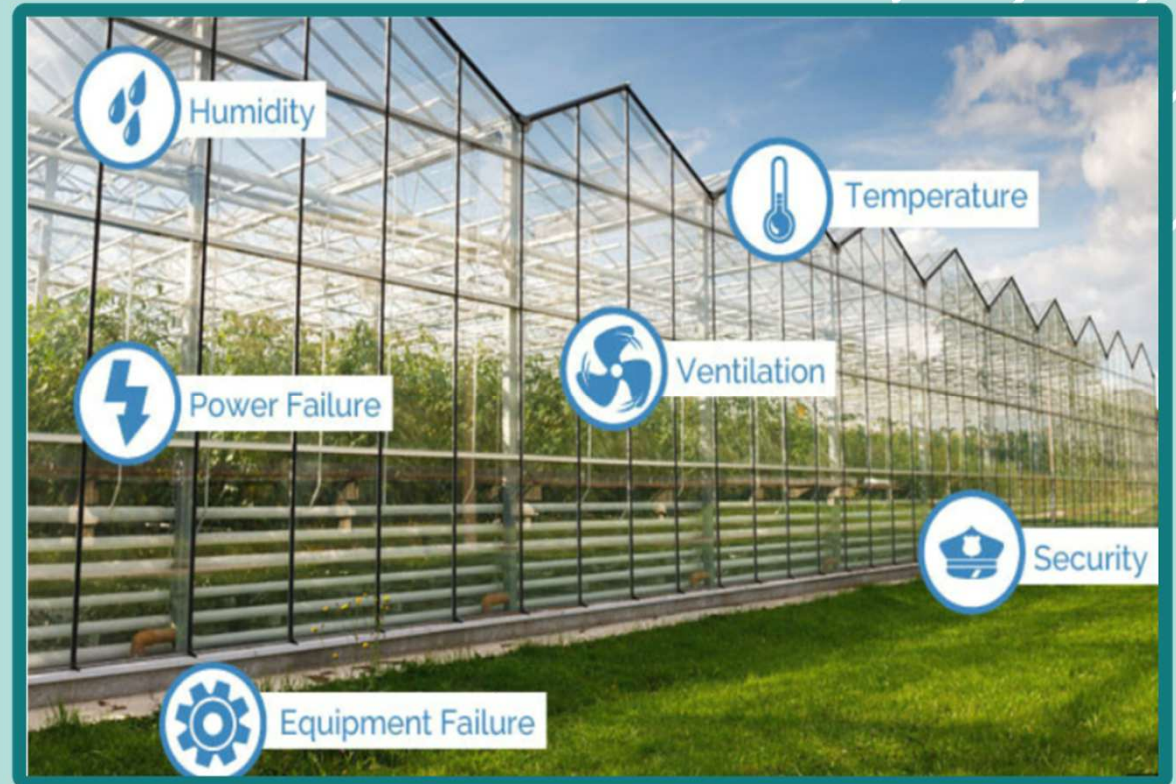


Sensor and Data Monitoring

- Must be equipped with sensors capable of measuring pH, EC (Electrical Conductivity), and water quality.
- Models that offer integration with smart agricultural systems should be preferred.

Brand and After-Sales Support

- Must be purchased from reliable manufacturers.
- Technical support, warranty, and service should be robust.



FERTIMA PRODUCTS AND INTEGRATION FEATURES



Proper pH Adjustment

At Fertima, we offer smart irrigation and fertilization solutions that precisely control the ideal pH level of the plant root zone.



Hydraulic Infrastructure

As Fertima, we offer durable and efficient hydraulic infrastructure solutions for agricultural fertilization processes. Our modern infrastructure, consisting of chemically resistant chrome-bodied pumps, injectors, and special PVC piping systems, optimizes fertilization processes, increases agricultural efficiency, and ensures long-lasting use.



Control Computer and Electrical Control Elements

Fertima's intelligent control systems have been developed to manage agricultural processes in the most efficient way.



Aluminum Frame and Skeleton Structure

Fertima's irrigation and fertilization units optimize agricultural processes with their durable and integrated structure.

This integrated system, consisting of an aluminum frame, hydraulic infrastructure, control computer, electrical panel, and sensors, ensures long-lasting use with its resistance to fertilizer and acid chemicals.



OUR PRODUCTS AND THEIR FEATURES

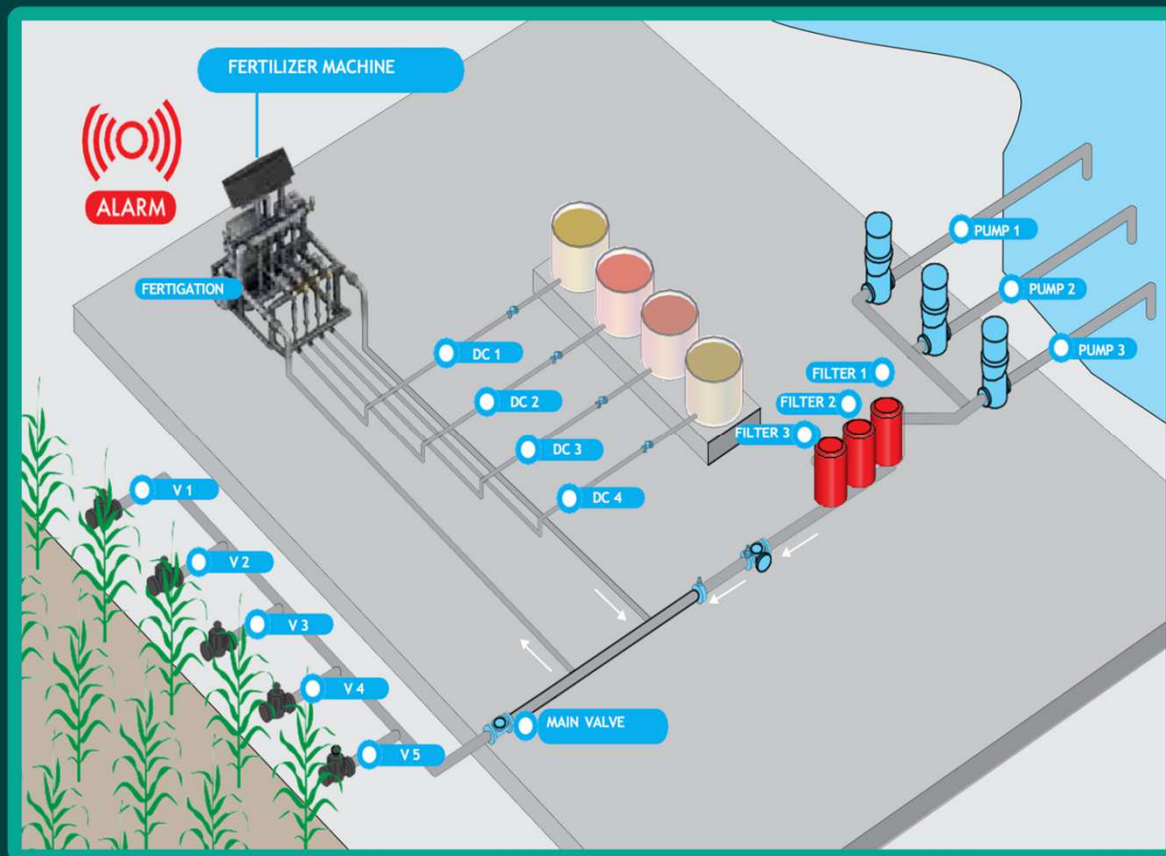


Advanced Fertilizer / Acid Dosing and EC-Ph Unit

Fertima controllers and automation systems offer next-generation solutions that increase efficiency and sustainability in agricultural production.

These systems optimize resource use in soil and soilless greenhouses, open-field agriculture, and livestock facilities, ensuring reliable fertilization with precise EC/pH control and uniform dosing.

Integrated with sensors, actuators, and other components, Fertima controllers manage ambient heating, cooling, humidity, and air quality through real-time data analysis, providing a smart and automated agricultural infrastructure.



Advanced Fertilizer / Acid Dosing and EC-Ph Unit

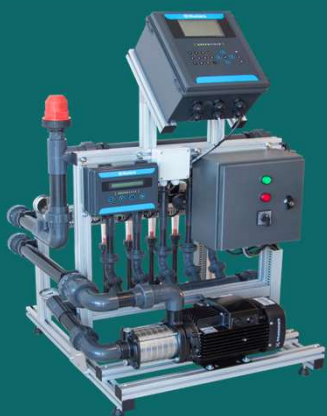
Fertima controller and automation systems provide ideal environmental conditions for maximum efficiency in agricultural production.

Our intelligent control system optimizes temperature, humidity, ventilation, lighting, and irrigation, sending commands to actuators to create the optimal environment for plants and animals.

By automating fertilization processes in soil and soilless greenhouses, fields, and gardens, it contributes to higher yields with less fertilizer.

OUR PRODUCTS

Our products are designed and manufactured entirely by Fertima engineers. This allows us to develop products tailored to user needs in agricultural production when necessary.



IOKIT

IOKIT is a fully configurable, cost-effective fertilizer/acid dosing unit system that injects fertilizers precisely and accurately according to field/plant requirements.



IOJET

IOJET is a fully configurable, cost-effective fertilizer/acid dosing unit system that injects fertilizers precisely and accurately according to field/plant requirements.



IOFLEX

IOFLEX is a highly configurable, highly stable, and advanced fertilizer/acid dosing unit system that injects fertilizers precisely and accurately according to plant requirements.

OUR PRODUCTS



Green Box T+H Ünit

- High-precision sensors,
- Temperature and relative humidity measurement,
- Microclimate and external conditions monitoring.
- Cylindrical housing provides protection against direct moisture and extreme climates.



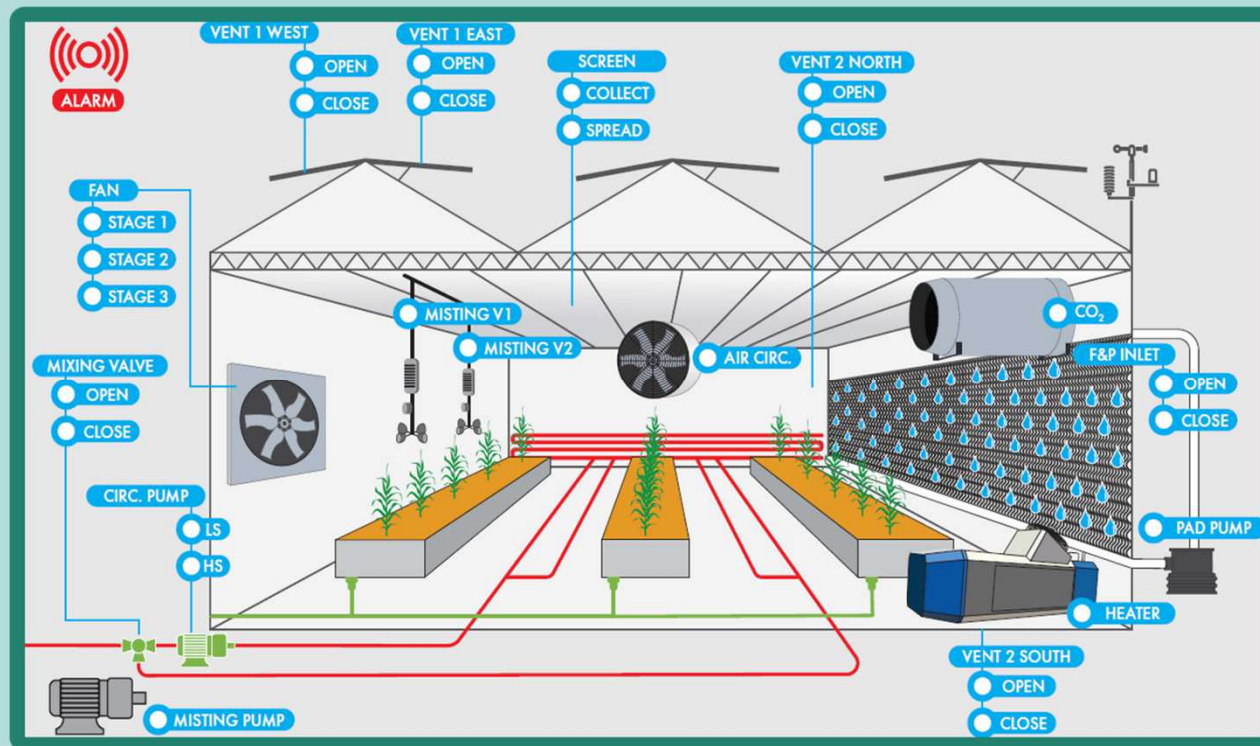
Water Temperature Sensor

A water temperature sensor provides accurate data on the temperature of the water flowing through hot water pipes. This data is used to control heating systems.



Meteorological Weather Station

- Temperature,
- Solar Radiation,
- Rainfall,
- Wind Speed,
- Wind Direction



Ventilation - Screens - Heating - Misting - Fans & Cool Pads
 Air Circulation - CO2 Level - Lighting - Crop Protection - Weather Station data
 Humidity and Temperature sensor

Munters' Solution Partner in Türkiye

We Joined our Forces with Munters in Agricultural Automation and Fertilization Systems.

In line with our goals of increasing efficiency, quality, and sustainability in the agricultural sector, we at Fertima are proud to announce that we have signed a distributorship agreement with Munters, the world's leading climate control and automation brand.

Within the scope of this strategic cooperation;

- Agricultural automation solutions,
- Advanced fertilization systems,
- Climate control and energy efficiency products,
- **Current stock assurance, original spare parts supply, extensive technical service support and flexible payment advantages will be offered to our customers.**



 **Munters**  **FERTIMA**

Munters' Türkiye Solution Partner

Fertima is committed to ensuring the safe and uninterrupted progress of your projects with its strong logistics infrastructure and expert technical staff at every stage, from pre-sales to after-sales.

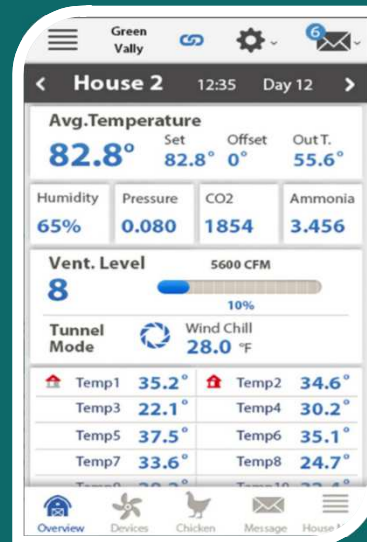
We are thrilled and proud to offer innovative technologies that make a difference in the industry, **backed by Fertima's assurance and Munters' quality.**

For more information and collaboration opportunities, please contact us.



Munters' Türkiye Solution Partner Spare Parts and Service

As always, we provide the highest quality and fastest technical service for your spare parts needs.



With the **ROTEMNET WEB** application, you can control your system from your smartphone, tablet and PC.





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