



Agriculture



Greenhouse



Irrigation control that makes sense

FERTIJET PRO

Advanced Analog and Galileo Cloud Control Fertigation System for Ultimate Precision in Greenhouses & Open Fields



Analog dosing channels • Perfect EC/pH control • Ultimate precision

TOTAL CONTROL

FERTIJET PRO

Advanced Analog and Galileo Cloud Control Fertigation System for Ultimate Precision in Greenhouses & Open Fields

The ultimate solution for precision fertilization. Equipped with an advanced analog servo valve and seamlessly integrated cloud technology, this revolutionary system sets a benchmark for dosing accuracy in both greenhouse and open field cultivation.



Cloud Based

Monitor and control your Fertijet PRO remotely with Real-time insights to empower your irrigation and nutrient dosing.

Continuous Uniform Flow

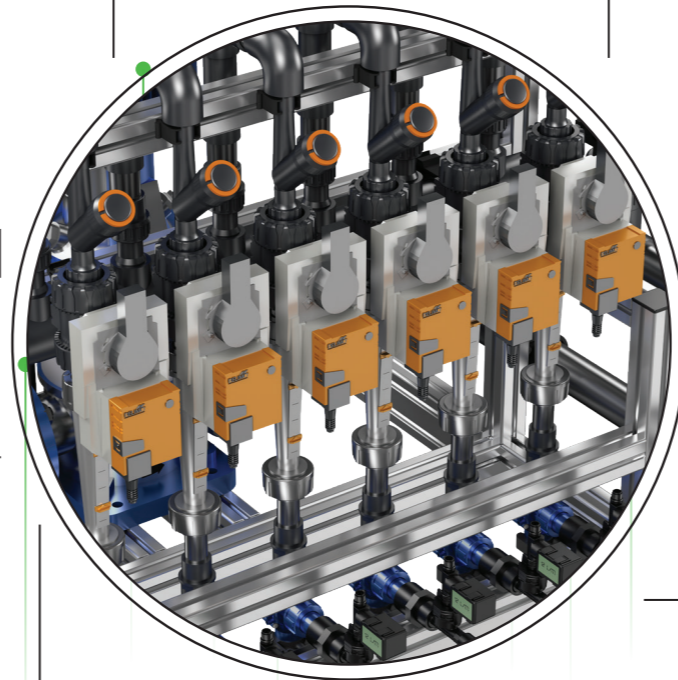
Achieve even higher accuracy with continuously and uniformly flowing fertilizers through the dosing channels.

Analog Servo Valve

This valve allows for a consistent and uniform flow of fertilizers into your water system

Highly Accurate Flow Meter

Each dosing channel is equipped with a digital display, providing accurate insights into fertilizer flow.



Rapid EC/pH Targeting

Attain high-speed and nearly instant targeting of EC/pH or proportional dosing, all while maintaining accuracy and uniform dosing solutions.

Precise Electric Servo Valve

Enjoy high-resolution accuracy with the electric servo valve, ensuring reliability and minimal maintenance.

Homogeneous Fertilizer Flow

Homogeneous and continuous flow of fertilizers into your water system, while the unique analog flow meter close feedback.

Dedicated Software & PID Algorithm:

Dedicated software and PID algorithms controls the motorized Fertijet PRO system using different PID mechanism for each dosing channel adjusted by the flow meter feedback.

Galileo Cloud Enhancements

Benefit from additional improvements using the new Galileo cloud capabilities, now with additional cpu power & capabilities.



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Experience the future of agricultural management with Galcon's advanced cloud capabilities. Monitor and control your Fertijet PRO remotely, whether you're managing a greenhouse or an open field.

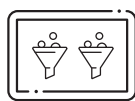
Real-time insights empower you to adjust nutrient dosing, schedules, and parameters on-the-fly for maximum productivity.

At the heart of Galcon's Fertijet PRO lies an analog servo valve, designed to achieve unrivaled dosing precision. This valve allows for a consistent and uniform flow of fertilizers into your water system, ensuring each drop of water carries the precise fertilizer concentration needed for optimal crop nutrition and growth. The Galileo Controller, equipped with dedicated software and PID algorithms, enables local or remote control of the Motorized Fertijet PRO machine and the entire irrigation and fertilization process. Keeping the exact ratio between the dosing channel as the recipe programmed due to different PID mechanism for each dosing channel adjusted by the flow meter feedback.

Advantages:



Ongoing and uniform fertigation through the dosing channels, for maximum precision



Precise fertilizer flow meter, with digital display for each dosing channel



Ongoing control of channel flow from closed to open mode



High response speed and short stabilization time



Operated by dedicated software in the Galileo controller

Features:

Each system is tailor made to fit the exact requirements of channels number, working pressure & desired fertilizers flow rate, including:

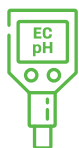
- Homogeneous and continuous fertilizer flow using electric analog servo valves (that replace the ON/OFF valves) on the fertilizer channels, ensuring maximum precision and speed in achieving the required pH/EC values of the fertilizer mixture.
- Speedy response and stabilization time, immediately achieving the required pH/EC values while maintaining high precision and uniform solution dosage.
- Operated via dedicated software in the Galileo cloud controller, the analog Fertijet PRO machine is operated throughout the fertigation process.
- The system is available with 1-6 fertilizer channels that are activated simultaneously while fully synchronized.
- Proportional fertigation or according to EC/pH control
- The analog Fertijet PRO machine is assembled on a stainless aluminum frame and includes Venturi injectors, electronic flow meters with digital display, booster pump, SERVO fertilizer valves, pressure gauge, fertilizer meters and more.

Technical Features:

Support the global range of power supply and field conditions:

- Controller – AC power connection
- Can be ordered with a 50Hz/220V or 60Hz/110V Galileo controller
- Three-phase 60Hz/220/440V or 50Hz/380/400V booster pump
- Working pressure 2-7 bar

Sensors and Accessories



Electrodes and EC/ pH controller



Pressure sensors



Fertilizer Meters



Electronic flow meters with digital display

