AGRIOCOM

IOT FOR EVERY FARM

IRRIGATION AUTOMATION

SOLUTIONS

2026

PRODUCT CATALOGUE





www.agriocom.com

AGRIOCOM

IOT FOR EVERY FARM

INTRODUCTION

AgrioCom is an international technology company specialising in smart irrigation automation and precision agriculture solutions. With more than 20 years of industry expertise, we help growers automate irrigation, optimise water and fertiliser use, and improve productivity through reliable IoT technologies.

Our solutions combine intelligent field controllers, wireless communication, and the AgriCommander cloud platform into one seamless system. From a single valve to large-scale agricultural projects, every component is designed for simple installation, dependable operation, and effortless management.

Today, AgriCom technologies are successfully operating on farms across multiple countries, controlling thousands of irrigation devices in demanding agricultural environments.

What We Deliver

- Wireless Irrigation Automation
- Pump Station Control
- Precision Fertigation
- Forecast & Soil Monitoring
- Automatic Irrigation Planning
- Cloud Farm Management
- Remote Monitoring & Alerts
- Professional Technical Support



Customer Benefits

- Reduce labour costs
- Save resources
- Improve yield

One Platform. Complete Irrigation Control.

CATALOGUE

01 VALVE CONTROL

AgrioValve Mini
AgrioValve Super
LoRa Gateway

03 PUMP & FERTIGATION

AgrioPump Lite
AgrioPump PID
AgrioPump Pro

05 SOIL TENSIOMETER

Tensiometer
Irrigation Planning

07 COMPOST TEMPERATURE

Compost Temperature Probe

08 AGRICOMMANDER CLOUD

Irrigation Control
My Farm Weather

10 ACCESSORIES

Drip Line
Sensors
Pipes
Valves & Other Equipment

MORE INFORMATION

www.agriocom.com

Please visit our website for detailed information about our products, services and articles about irrigation automation.

AGRIOVALVE

Battery-Free LoRaWAN Valve Controller

AgrioValve MINI



AgrioValve SUPER



Product Details		
Criteria	**Mini**	**Super**
Battery free	☑️	☑️
Valve outputs	2	2
Pressure monitoring	☑️	☑️
Tensiometer inputs	—	2
Water meter inputs	—	2
Warranty	5 years	5 years

AgrioValve is a compact wireless valve controller designed for permanent installation in irrigation systems. Powered by an integrated solar panel, it operates for years without batteries. AgrioValve provides reliable operation in harsh outdoor environments, including heat, rain, dust, and UV.

Unlike traditional valve controllers that rely on a centralised field computer or local controller, each AgrioValve connects directly to the cloud. This architecture simplifies installation, improves system reliability, and removes the limitations of a central controller. Additional valve controllers can be deployed anywhere on the farm without expanding field control hardware, making the system highly scalable for projects of any size while keeping installation costs low.

KEY FEATURES

- 100% Solar Powered
- LoRaWAN Wireless
- Rugged & Waterproof
- Fast Response
- Cloud Connected
- Easy Installation

TECHNICAL SPECIFICATIONS

Communication	LoRaWAN class B
Operating temperature	-30 .. +60
Enclosure rating	IP67
Mounting	Pole
Certification	FCC, RoHS

APPLICATIONS

- 🌾 Field Crops
- 🍇 Vineyards
- 🍎 Orchards
- 🥬 Vegetables
- 🌱 Greenhouses

SCAN ME

AGRIOVALVE

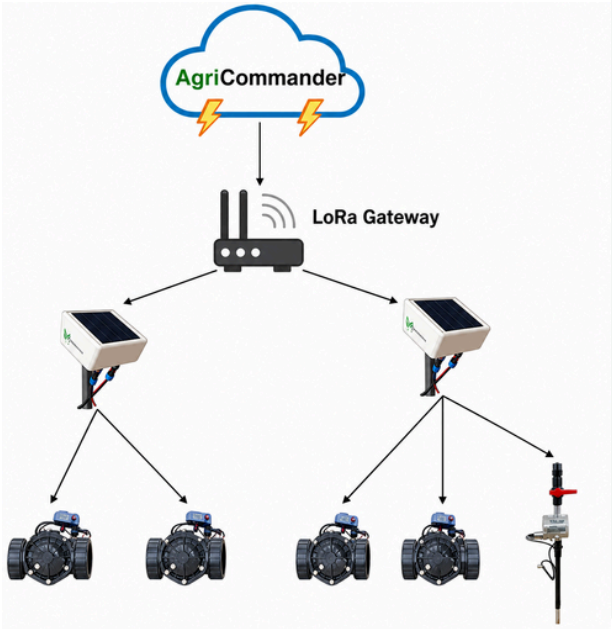


DESIGNED FOR PERMANENT OUTDOOR INSTALLATION

AgrioValve is built for years of unattended operation in demanding agricultural environments.

The integrated solar panel powers the controller without batteries or external wiring, minimising maintenance and installation costs.

SYSTEM ARCHITECTURE



INSTALLATION EXAMPLES







1. Mount beside the valve.
2. Connect one or two solenoids
3. Optionally connect pressure switches
4. Power on.
5. Ready in AgriCommander cloud

PROJECT HIGHLIGHT 3000 HA POTATO FARM



1300 AgrioValve deployed

> 3000 ha area

Operators reduced to 4

> 10% water saving

99.9% valve online time

CUSTOMER BENEFITS

Reduce field visits

Reliable irrigation

Easy expansion

Operate from anywhere

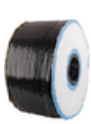
No maintenance

RELATED PRODUCTS



LORA GATEWAY

PAGE 9



DRIP LINE

PAGE 9



PRESSURE SWITCH

PAGE 9



SOLENOID VALVE

PAGE 9

PUMP STATION AUTOMATION

INTEGRATED PUMP, PRESSURE & FERTIGATION CONTROL

PRO

Advanced pump and fertigation controller



- Control water pump
- Adjust pressure
- Low / high pressure protection
- Pressure before and after filter
- EC, pH, Water meter
- Switch on / off fertiliser pump
- 7" touch screen

Best For: large irrigation projects

PID

Precision fertigation controller



- Inject by amount / time, proportional to water flow
- Switch on / off water pump
- Control mixer
- EC, pH, Water meter
- Retrofit to old pump
- 7" touch screen

Best For: High-value crops requiring accurate dosing

LITE

Advanced pump and fertigation controller



- Switch on / off water pump
- Switch on / off fertiliser pump
- Pressure input
- Manual & remote operation

Best For: simple pumping stations

CONNECTIVITY

4G Communication
AgriCommander cloud
Remote control & monitor
Alarms & notifications

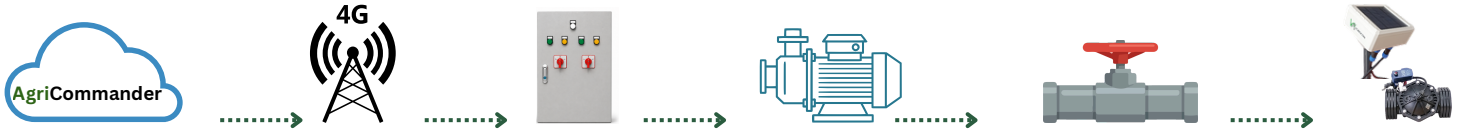
PUMP CONTROL

Control 1 - 2 pumps
Adjust pressure per block
Low / high pressure protection
Pressure before and after filter
EC, pH, water meter

FERTIGATION

By time
By amount / time
Proportional to water flow
Fertiliser flow meter
Retrofit to any injection pump

SYSTEM ARCHITECTURE



CLOUD APP FUNCTIONALITY

Automatic control by irrigation program
Push notifications for emergency
Manual remote control
Irrigation & fertigation history

APPLICATIONS

- Field Crops
- Vineyards
- Orchards
- Vegetables

SCAN ME

FULL CONTROL OF WATER & FERTILISER






PRODUCT DETAILS

FEATURES	LITE	PRO	PID
Communication		4G	
Pump VSD control	—	✓	—
Fertiliser pump on / off control	✓	✓	—
Fertiliser VSD control	—	—	✓
Fertiliser mixer on / off control	—	✓	✓
Fertigation by amount, water flow proportional	—	—	✓
Pressure sensor input	1	2	2
EC & pH input	—	✓	✓
Flowmeter input	—	✓	✓
Fertiliser meter input	—	✓	✓
High / low pressure protection	✓	✓	—

Sensors

Pressure sensor



Water meter



EC / pH



Fertiliser flow



Choose LITE if ...



- Basic pump ON/OFF control is needed
- Only pressure monitoring is required
- Simple pumping station
- you already have a local pump controller

Choose PRO if ...



- Automatic pump pressure control is needed
- Large irrigation projects
- Pump protection and monitoring are required
- Fertiliser pump and mixer control are needed

Choose PID if ...



- Precise fertiliser dosing is required
- Fertigation follows water flow
- High-value crops
- Existing injection pumps need automation

RELATED PRODUCTS



FLOW METER

PAGE 10



VALVE CONTROLLER

PAGE 1



PRESSURE SWITCH

PAGE 9



PRESSURE SENSOR

PAGE 9

LORA TENSIOMETER WITH DISPLAY

Plan your irrigation wirelessly



Tensiometers have long been used by growers to measure soil water tension and support irrigation decisions. They measure how much force plant roots must apply to extract water from the soil.
Unlike capacitive soil-moisture sensors, a tensiometer measures soil water tension directly and does not require soil-specific calibration. It provides stable, easy-to-interpret data that can be used for irrigation automation.

Key Features

- High-precision soil water tension measurement
- E-paper display readable in direct sunlight
- 2+ years battery life
- LoRaWAN, no SIM card required
- Cloud analytics & irrigation planning

Field installation



Direct field reading



Product Details

Criteria	Data
Communication	LoRaWAN
Display	E-Paper
Length	40 cm *
Data range	0 .. -100 kPa
Accuracy	±2 kPa
Warranty	1 year
Protection	IP65

- Other probe lengths available on request

AUTOMATIC IRRIGATION PLANNING

How it works

1. Start with experience

Irrigate as usual.
your existing schedule becomes the baseline.

2. Gather data

We record. Soil tension. Weather. Irrigation events. Drying speed

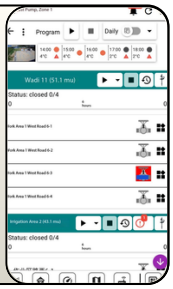


3. Learn the response

The system learns when water stress begins and how the soil responds to irrigation.

4. Generate irrigation plan

It calculates when irrigation should start and how long it should run.

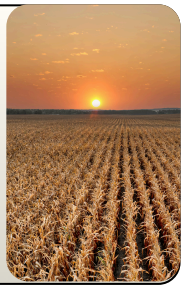


5. Improve continuously

Each irrigation cycle adds new data and improves future recommendations.

6. Automatic irrigation

Once enabled, irrigation runs automatically according to the calculated plan.



WHAT THE SYSTEM LEARNS

Soil tension before irrigation → Irrigation duration → Soil response → Drying rate → Weather forecast → Next irrigation

THE RESULTS

20 - 30% less water
Better use of every irrigation cycle

Less irrigation time
Avoid unnecessary watering

Better growing conditions
Keep root-zone moisture in range

Less manual decision-making
The system adapts the plan

RELATED PRODUCTS



TENSIO METER

PAGE 5



VALVE CONTROLLER

PAGE 8



LORA GATEWAY

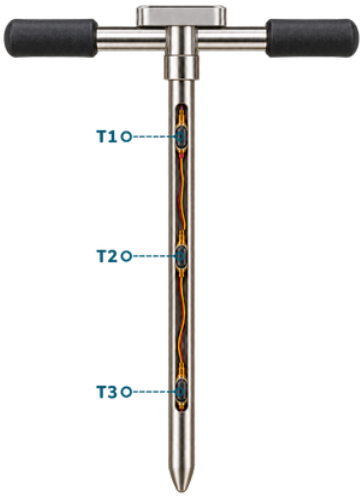
PAGE 9



PUMP CONTROLLER

PAGE 3

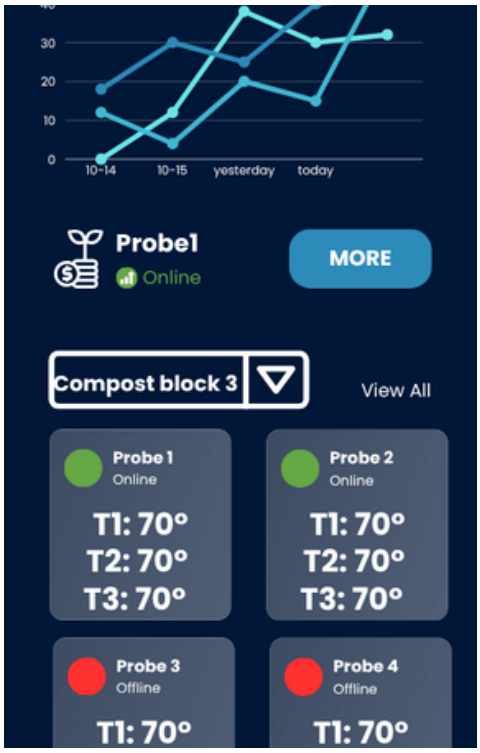
COMPOST TEMPERATURE PROBE



TAKE CONTROL OF YOUR COMPOST

MONITOR TEMPERATURE & ENSURE MICROBIAL ACTIVITY





Product Details	
Criteria	**Data**
Power	1 x 3.7V AA battery 2+ years
Probe length	1.5m, 2m, customized
Sensors	2 - 3 or customized
Accuracy	0.5 °C
Display	E-paper sunlight readable display
Communication	LoRaWAN
Material	316L stainless steel, spear-shaped tip, 10–12 mm diameter, 3mm thick



LEARN MORE AT https://agriocom.com/ctp/

AGRICOMMANDER CLOUD

Your Farm Under Your Command

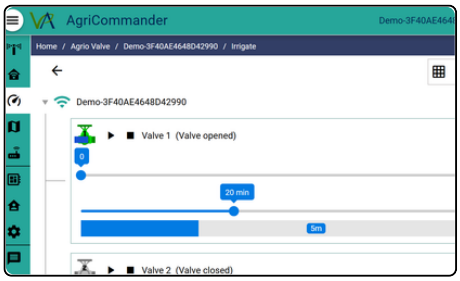
5 LEVELS OF IRRIGATION AUTOMATION

01

INDIVIDUAL VALVE CONTROL

Open or close any valve remotely through AgriCommander

Start with simple, direct field control

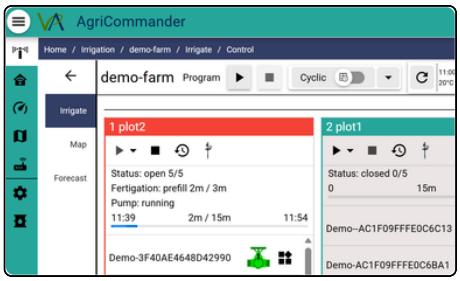


02

IRRIGATION SHIFT CONTROL

Combine valves into irrigation shifts, assign pump and fertigation equipment and operate each shift manually

For precise application and testing

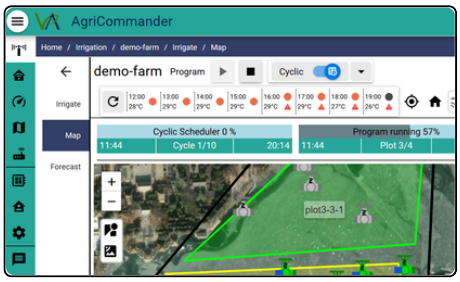


03

AUTOMATIC PROGRAM

Arrange irrigation shifts into a program and execute them automatically in sequence. Switch between multiple programs instantly

Automate complete irrigation cycles

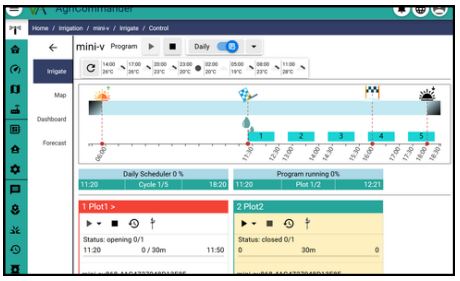


04

AUTOMATIC SCHEDULING

Schedule irrigation programs to start automatically by time. AgriCommander executes your programs automatically.

Eliminate routine manual starts

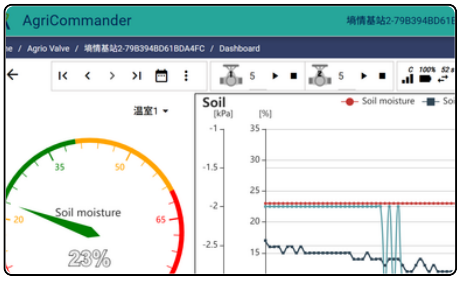


05

INTELLIGENT IRRIGATION

Combine soil data, irrigation history and weather forecasts to calculate when and how long to irrigate. Enable automatic execution when ready

Optimise irrigation using real field data



EXPERIENCE AGRICOMMANDER

Discover how simple irrigation automation can be

REQUEST A LIVE DEMO

agriocom.com/commander

SCAN ME

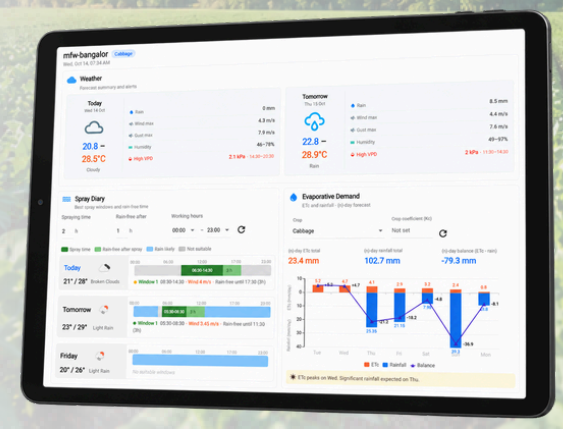
FREE FOREVER

TURN WEATHER DATA INTO BETTER DECISIONS

MFW

MY FARM WEATHER





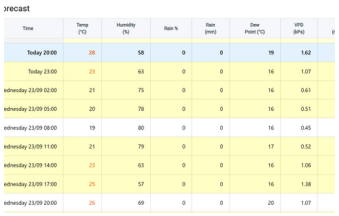
Smart Planning For Every Farm

Current & future calculations without a weather station

KEY FEATURES

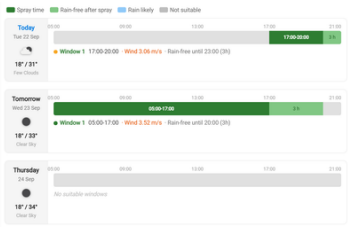
Farm forecast

A reliable and accurate forecast for your exact farm location including temperature, rain, wind, humidity and more



Spray window

Find the best time for spraying opportunities with clear time windows and the expected rain-free periods after application



Daily alerts

Be informed & stay ahead. Receive early warnings that can affect your crops and operations

- Heavy rain
- High temperature
- Strong wind
- Frost risk

Daily ET

Know the water demand. Calculate daily evapotranspiration for the next 5 days based on forecast data



HOW IT WORKS

01 **Your Location & Crop**

02 **Weather Data & Calculations**

03 **Clear Recommendations**

04 **Better Results**

EXPERIENCE MY FARM WEATHER

Discover free, reliable and accurate weather services without buying expensive hardware

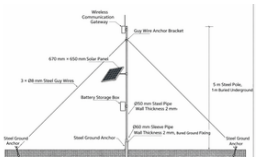
START FOR FREE NOW

agriocom.com/mfw

SCAN ME

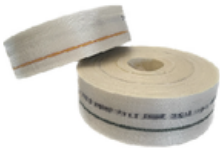
RELATED PRODUCTS

COMPATIBLE EQUIPMENT & ACCESSORIES

IMAGE	PRODUCT	DESCRIPTION
	Solenoid Valve	Electrically operated irrigation valve for automatic opening and closing of irrigation blocks. Compatible with AgrioValve controllers.
	Dripline	Delivers water directly to the crop root zone through evenly spaced emitters. Available in different configurations to suit crop requirements.
	Pressure Switch	Detects water pressure at the valve outlet, helping verify irrigation operation and identify potential failures.
	Pressure Sensor	Provides continuous pressure measurements for pump regulation, pipeline monitoring and abnormal-pressure detection.
	LoRaWAN Gateway	Connects wireless field devices to the AgriCommander cloud, enabling remote monitoring and control across the farm.
	Solar Power Kit for LoRaWAN Gateway	Stand-alone solar power system for remote gateway installations. Includes solar panel, charge controller and mounting accessories.
	Installation Tools & Accessories	Connectors, fittings, pipes and installation accessories for assembling and maintaining drip irrigation systems.
	Air Release Valve	Automatically releases trapped air from irrigation pipelines and allows air to enter during drainage, helping protect the system and maintain stable flow.
	Injection Pump	Diaphragm pump for controlled injection of liquid fertiliser into irrigation pipelines, delivering nutrients directly to crops through the irrigation system.

RELATED PRODUCTS

COMPATIBLE EQUIPMENT & ACCESSORIES

IMAGE	PRODUCT	DESCRIPTION
	Pipe Sealing Band	Flexible sealing material for irrigation pipe joints and connections. Helps reduce leakage and improve joint sealing.
	Gear-Operated Butterfly Valve	Manual isolation and flow-control valve for main and sub-main irrigation pipelines. Gear drive enables smooth operation of larger valve sizes.
	Pressure Relief Valve	Protects irrigation pipelines and equipment by automatically releasing excessive system pressure.
	HDPE Irrigation Pipe	Durable polyethylene pipe for irrigation mains and sub-mains. Lightweight, corrosion-resistant and suitable for permanent field installation.
	Flexible Flanged Coupling	Flexible pipe connection that accommodates minor misalignment, vibration and movement between pipeline components.
	Flanged Check Valve	Prevents reverse water flow and protects pumps and irrigation equipment when the system stops or pressure changes.
	Ultrasonic Water Meter	Measures instantaneous flow rate and total irrigation water consumption with no moving parts

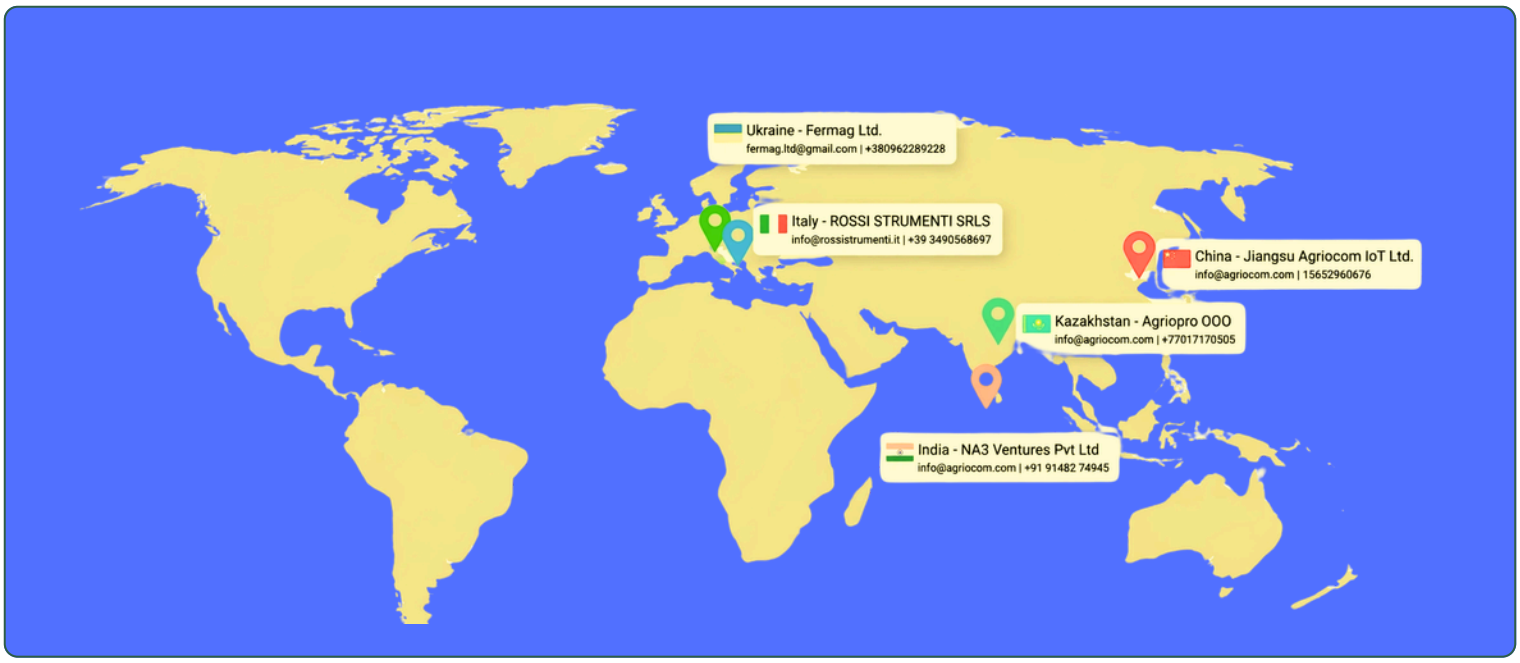
PRODUCT COMPATIBILITY

Specifications and availability may vary. Contact Agriocom to confirm compatibility and select the right accessories for your irrigation system.



Where To Buy

GLOBAL OFFICES AND CONTACTS



China

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SCAN TO LEARN MORE

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