



# Munters GreenField

## Irrigation Controller

Munters GreenField and GreenField ECO controllers provide control and management over industrial and small to medium size irrigation systems respectively, maximizing the yield and the quality of the harvest while automating irrigation and fertigation processes.

### Features

- Cost-effective solution provides a high return on investment
- Automated control enables extracting the maximum from irrigations system
- Precision control improves fertilizer availability
- User friendly interface simplifies configuring and programming
- Alarms package keeps the farmer up to date in real time about any issues that arise
- Advanced data storage enables high level of data analysis



Munters GreenField

Munters GreenField and GreenField ECO help to boost plants growth and give the exact amount of water and nutrients the plant needs, to reduce costs, waste and environmental impact.

GreenField and GreenField ECO software package enables configuring dynamic irrigation programs, capable of responding to a large range of environmental inputs. The hardware package supports analog and digital inputs as well outputs that can be configured according to the farmer's specifications.

Munters GreenField features a modular design that allows scalability to grower's exact needs. Both controllers ensure an advanced EC/pH control and are compatible with Munters GreenJet, a complete fertigation unit.



Munters GreenField ECO

### Munters GreenField App

Munters GreenField App, an advanced app used to connect to GreenField or GreenField ECO controllers, enables full management over the irrigation and fertigation operations anywhere, anytime from any device.

GreenField App guarantees 24/7 access to irrigation controllers, a simple and enhanced user experience, Web, Cloud and cellular connectivity, push notifications, and irrigation controllers analytics.

GreenField App can work even without internet access by simply plugging a display directly into Munters CommBox, which is connected to the controller.



		GreenField	GreenField ECO
<b>Hardware</b>			
	Surge suppression on 115/230VAC power; 1 internal, 1 optional external	✓	✓
Power	Surge protection on inputs and outputs	✓	✓
	Current	Dual power CPU, 115/230VAC or 12VDC	115/230VAC, 80 watt
Output	24VAC output	Up to 256	Up to 15
Input	Digital/Pulse	Up to 32	Up to 6
	Analog	Up to 44	Up to 5
Communication/Remote Control		✓	✓
Expansion capabilities		✓	-
<b>Functionalities</b>			
Weather Station		✓	-
Misting and cooling		✓	✓
Pump house control		Up to 6 pumps	Up to 3 pumps
Automatic filter flushing control		DP/Time, analog pressure sensor	DP/Time
Remote valves via radio RF		✓	-
Control fertigation unit		Up to 8 dosing channels	Up to 8 dosing channels
EC-pH control with alarms		Single & dual	Single
Water recycle control		✓	-
	Radiation	✓	-
	Time	✓	✓
	Temperature, humidity, VPD	✓	-
Irrigation trigger	Soil Moisture Sensor	✓	-
		✓	-
Drain measurements and control		✓	-
Flow protection	High/Low alarms	✓	✓

### GreenJet

Munters GreenJet is a complete fertigation unit and includes pump, dosing channels and water loop.



### Expansion Box

Each controller can support up to 3 expansion boxes. Adds up to 64 relays.



### Green EC-pH

Green EC-pH transmitter is designed to receive a signal from the EC and pH sensors that measure the water acidity (pH) and electrical conductivity (EC) and translate the signal into a 4 – 20 mA output to be read by GreenField or GreenField ECO.



### Weather Station

Provides data on outdoor conditions (temperature, humidity, wind speed and direction, rain detection, radiation).



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