

**HELIX**  
HYDRO



# CONTROLLER 3000

Fertigation Controller



# CONTROLLER 3000 SOFTWARE SCADA

## SUPERVISORY CONTROL AND DATA ACQUISITION

### VERSATILITY

Easy installation and fertigation management Controller 3000 PC with comprehensive menus with constant Real-Time information on the most fertigation parameters.

- ✔ Irrigation instantaneous flow:GPH or m3/h
- ✔ pH Value
- ✔ Conductivity value: mS
- ✔ Irrigation network pressure: PSI or bar
- ✔ Activated irrigation station(s)

### TRACEABILITY

Controller 3000 with optional software. allows the display data to be stored in the ITC Cloud Manager server.

- ✔ Total water usage for each individual station
- ✔ Total fertilizer usage for each irrigation station
- ✔ Total acid usage for each irrigation station
- ✔ All alarms.their trip functions.and time of alarm

### TECHNICAL FEATURES

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<b>Web SCADA</b>	WEB BROWSER
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<b>RS 485 Port</b>	COMMUNICATION GATE
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<b>Electrical Supply</b>	V230V / 50 / 60HZ / 0,0KW
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<b>Protection</b>	IP55
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### SIMPLICITY

From a simple irrigation timer. the Controller 3000. manages independent fertigation programs for each irrigation station.

- ✔ Desired proportionality for individuals fertilizers
- ✔ pH set point
- ✔ Conductivity value, as set point or alarm
- ✔ Regulates up to 6 different fertilizer independent
- ✔ for every irrigation station

### MANAGEMENT

From the stored information. the user can see and print all the historical data related to the irrigation/ fertigation parameters intable or graph from providing comprehensive management of water and agrochemicals.

- ✔ Graphs of water usage. maximum/minimum values averages
- ✔ Graphs the pH. maximum/minimum values and averages
- ✔ Graph the conductivity. maximum/minimum values and averages
- ✔ Graph of the irrigation network pressure. maximum/minimum values and averages

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<b>Input</b>	1 EC
	1 FLOW METER
	1 PRESSURE
	12 FERTIGATION PROGRAMS

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<b>Output</b>	6 4/20 mA
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## Applications

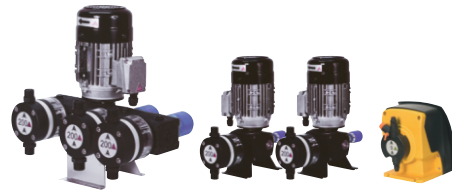
Greenhouse fertigation



Fertigation in golf courses and landscaping



Fertigation in agriculture and horticulture



## Reading and Regulation

Display and control:  
Flow, pH, Ec and Pressure

Q

pH

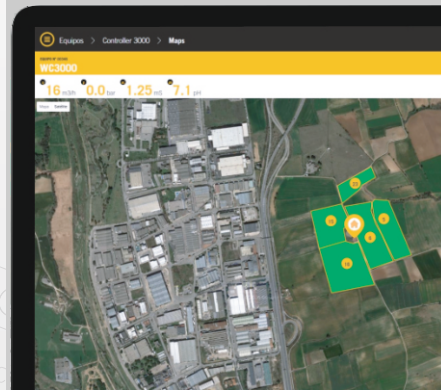
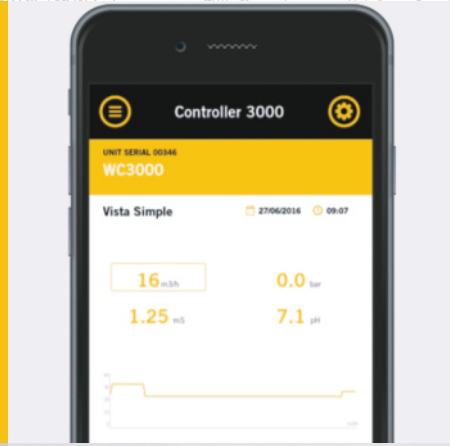
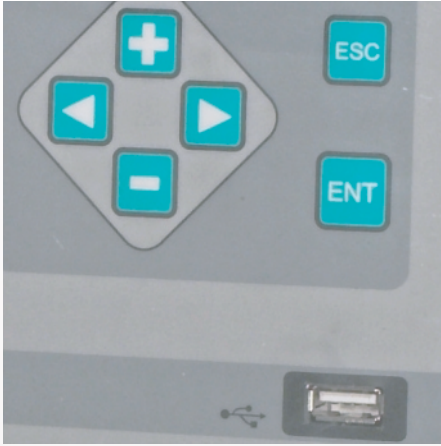
EC

P

## Software PC

Fertigation SCADA:  
Display, Programming and  
Historical data management  
through PC





# Fertigation Controller

- ✔ Regulation up to 6 independent products
- ✔ Fertigation in open field, greenhouse and landsca in
- ✔ Monitoring and Regulation

Flow • EC • pH • Pressure



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