

# Fertigation

## Irrigation Water Treatment Solutions



PRECISION AGRICULTURE





### Increased crop production

ITC technology delivers the right amount of fertilisers at each stage of a crop's development through irrigation water, thus increasing its productivity.



### Reduction in fertiliser usage

Using dosing pumps, nutrients are supplied uniformly and simultaneously to the root area, optimising and reducing the use of fertilisers.



### Greater dosing control

ITC devices make control and programming easier, including remotely, with the electrical conductivity and pH setpoint values being reached more quickly.



### Lower environmental impact

Through even application and effective control of the amount of product used, we ensure that nutrients are properly absorbed, reducing the environmental impact caused by the process' excess chemicals.

# Fertigation means ITC



### Case Studies

Practical and real world situations, providing applied solutions ☺



## Sectors of application



 EXTENSIVE CROPS



 FRUIT GROWING



 GREENHOUSES



 OPEN AIR HORTICULTURE



 ORNAMENTAL CROPS



 LANDSCAPING AND GOLF

**Fertiliser injection**

Dosing pumps with manual adjustment or advanced control, single or multi-head, for injecting fertilisers into irrigation systems.



DOSTEC AC



DOSTEC 40



DOSTEC 50



EFR



MULTIFERTIC

**Fertigation solutions**

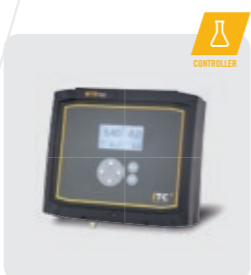
Dosing equipment, dosing control and irrigation programming.

**Acid and disinfectant dosing, pH control**

Equipment for injecting acid and controlling pH levels.



DOSITEC



WTRTEC RED



DOSMART AC

**Basic fertigation control**

Advanced-control dosing pumps, with dosing in proportion to the flow rate, with no need for a controller.



DOSTEC AC (+ WOLTMAN WATER METER)



DOSMART AC (+ WOLTMAN WATER METER)

**Advanced fertigation control**

Advanced control solutions for in-line dosing and irrigation programming. Remote control of devices.



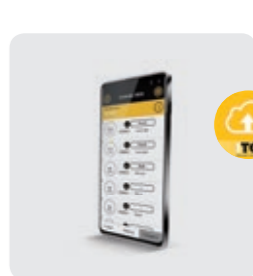
WTRTEC GREEN



CONTROLLER 3000



WATER CONTROLLER 3000



CLOUDMANAGER APP

**Dosing without electricity**

Dosing pumps for 12 or 24 VDC batteries or solar panels and additional dosing pumps powered by the irrigation water without any loss of pressure.



DOSMART AC (24VDC)



DOSTEC 40 (12-24VDC)



FERTIC



ECOFERTIC

**Mixers**

Turbine mixers with outstanding efficiency for dissolving solid fertilisers and mixing together products in tanks.



MIXERS (0.6 / 1.1 / 1.3 / 1.5 / 2.0)

**Plug & Play solutions**

Irrigation systems and dosing kits for fertigation that is tailored to the customer's needs.



DOSING KIT



DOSING AND CONTROL STANDS

**Benefits of ITC devices**

- Better use of water, energy and fertilisers
- Increased crop productivity
- Space saving
- Maintain a constant flow rate in any circumstances
- Ease of use and remote control
- Uniform fertiliser dosing
- Inexpensive to maintain and a local technical service
- Injection precision



**CloudManager**

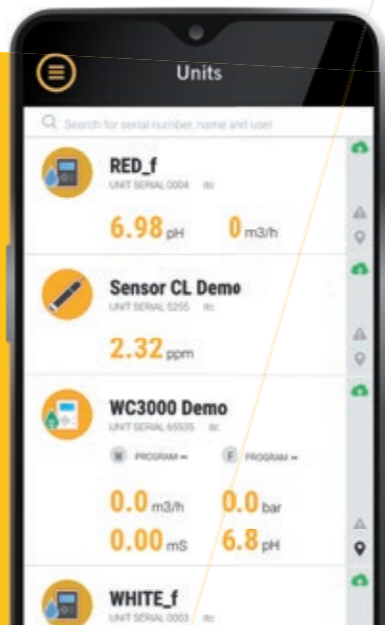
Remote management of pumps with advanced control and fertigation controllers and irrigation programming.

**Simplicity**

- User-friendly, intuitive programming
- 50 irrigation programmes
- Filter cleaning and pump start-up
- Watering factor

**Accuracy**

- 48 fertigation programmes
- Dosing and control of 6 different products
- Combined ratio and EC control
- pH control

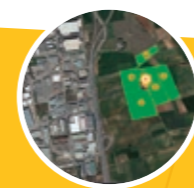


English, Spanish and French versions available



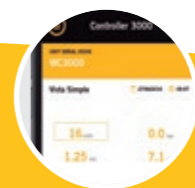
**REAL-TIME INFORMATION**

Check if the irrigation programme has started correctly with a suitable flow rate and the desired valves on your telephone or tablet. Set alarms for any problems.



**INTUITIVE OPTIMISATION**

Satellite view of the facility's water resources: see the irrigation sections shown on a satellite image of each Flow section, allowing you to check and organise the system.



**CONDUCTIVITY AND PH READINGS**

View the last 100 EC, pH, flow and pressure readings on your mobile device. The adjustment settings can be corrected remotely on a smartphone or tablet in an instant.



**CHECK THE ACTUAL COST**

Option to know the exact cost of the crop. Reports are generated automatically and allow you to obtain data on water and fertiliser usage, sorted by sections and dates.



**WEATHER FORECAST**

Having a five-day weather forecast is extremely useful for anticipating the most appropriate actions to take.



# Leader in fertigation and dosing

ITC was created in 1988 and it manufactures dosing pumps and dosing control equipment for injecting fertilisers and phytosanitary products.



## Global distribution network

ITC has an extensive global distribution network and a team that is committed to offering an agile, direct and local service.

Thanks to **30 years in the sector**, we are a leading manufacturer of dosing pumps for fertigation.

DISTRIBUTOR DELEGATION



## Our values

### Commitment

We are eager to build projects that add value, over and above the strictly economic side.

### Desire to improve

Great professionals who are eager to find new challenges that add value and seize any opportunities that arise.

### Proximity

A team that is close at hand, both for internal and external relations, ready to work together to overcome any problem that may arise.

### Integrity

Unshakeable honesty and consistency between principles and actions.

### R&D

Continuous investment in products and processes.

### Quality

Quality is a priority. ISO 9001-certified company.

### Support

Specialised technical support service for each product range.

### Training

Customised training programmes for distributors.



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DOSING PUMPS

