



A VERDER COMPANY

 itc.es

# Dosing and control equipment

Water treatment and industrial  
process solutions



PRECISE CHEMICAL INJECTION





**Adjustment  
of discharge water pH**

Injecting acids or alkalis to adjust the pH of process wastewater.

**Dosing  
of flocculants**

Using powerful suction pumps to dose polyelectrolytes to dry slurry.

**Chlorination  
of drinking water**

Applying hypochlorite to disinfect water for human consumption.

**Free chlorine  
control**

Using free chlorine sensors to monitor and control free chlorine content at the plant exit and in distribution stations.

**Calcium  
hypochlorite**

High-efficiency, corrosion-resistant mixers to prepare calcium hypochlorite solutions.

**Legionella  
treatment**

Dosing biocides to treat and prevent legionellosis outbreaks.

# Water treatment



**Case Studies**

Practical and real world situations, providing applied solutions ☺



**Application  
sectors**



 **WASTEWATER**



 **DRINKING WATER TREATMENTS**



 **COOLING TOWERS**



**Paper manufacturing**

Dosing dyes, bleaches, retention agents and all kinds of reagents used in the paper manufacturing process.



**Disinfectant level control**

Monitoring and controlling the disinfectant capacity of water used to wash fruit and vegetables in the food industry.



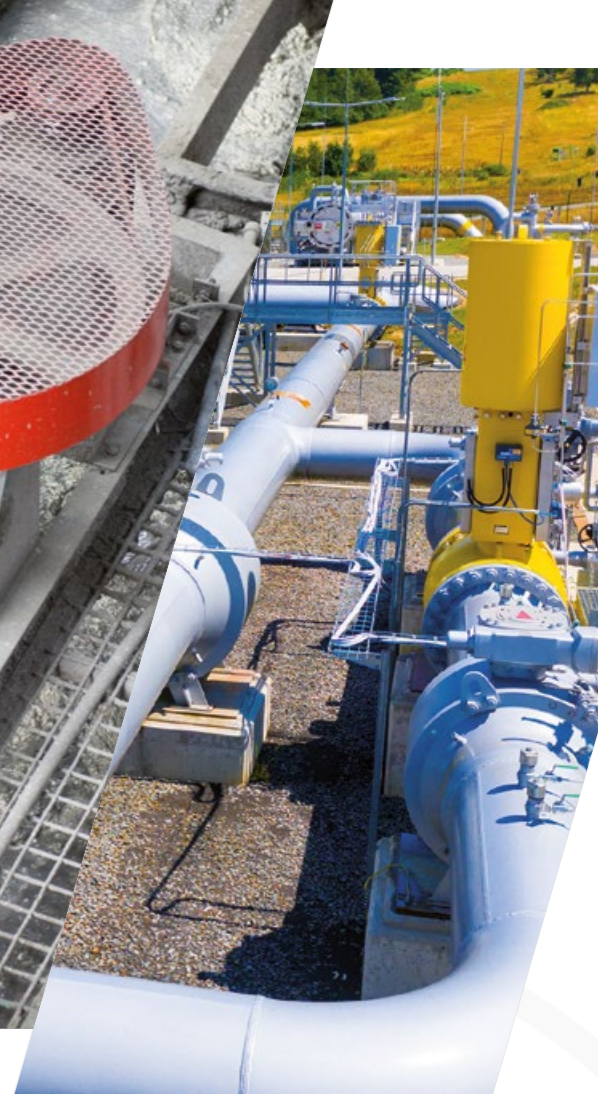
**Compact dosing systems**

Plug&Play configuration for easy installation and operation of dosing equipment, including all required accessories.



**Mineral extraction by flotation**

Using pumps to dose different reagents and ensure the recovery of ground mineral.



**Injection of antioxidants and fluidisers**

Oil treatment to improve its rheological properties with equipment designed in accordance with API 675 and ATEX configuration.

# Industrial processes

**Polyurethanes preparation**

Simultaneously dosing reagents in a proportion set by multi-head configuration pumps.

**Case Studies**

Practical and real world situations, providing applied solutions ☺



**Application sectors**



PAPER INDUSTRY



CERAMICS INDUSTRY



CHEMICAL INDUSTRY



FOOD INDUSTRY



MINING



OIL AND GAS

**Electromagnetic pumps**

High-performance, high-precision electromagnetic membrane pumps to dose liquid products. Made of materials that are resistant to the majority of chemicals used in processes where a product must be dosed.



MULTIFUNCTION Q/MA (WMF)



MANUAL-DIGITAL (WMD)



MULTIFUNCTION Q/MA (MF)



pH/ORP CONTROL (PR)

**Dosing solutions**

Precise chemical injection for water treatment and industrial processes.

**Stepper motor pumps**

Dosing pumps with high precision, broad adjustment possibilities (1:3000) and an excellent suction capacity, including with viscous products, with stepper motor and advanced control functions to precisely and efficiently automate chemical product dosing.



DOSMART AC PP



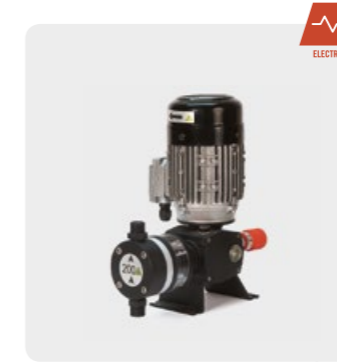
DOSMART AC PVDF



DOSMART AC SS

**Electric pumps**

Electric dosing pumps with a positive return system, piston or membrane to dose liquid products with a dosing flow between 2.5 and 3,200 l/h that can be adjusted, without having to stop the pump, from 0% to 100% of its capacity.



DOSTEC 40



DOSTEC 50



DOSTEC AC



EFR



EFR DUPLEX



TEKDOS

**Hydraulic accessories**

**Foot valves**



**Foot valves**  
PP or PVDF. 4x6, 6x8, 6x12 and 10x12 connection



**Foot valve with disc strainer**  
PP. 6x12 or 3/4" connection



**Foot valve with disc strainer**  
PP. 1 1/4" connection

**Injection valves**



**45 mm**  
Tube of 4x6, 6x8, 6x12 or 10x12. 1/2" thread in PP or PVDF



**45 mm**  
Tube of 6x8, 6x12 or 3/4". 3/4" thread in PP, PVDF or AISI 316



**108 mm**  
Tube of 3/4". 3/4" thread in PP, PVDF or AISI 316



**120 mm**  
Tube of 1 1/4". 1 1/4" thread in PP, PVDF or AISI 316

**Others**



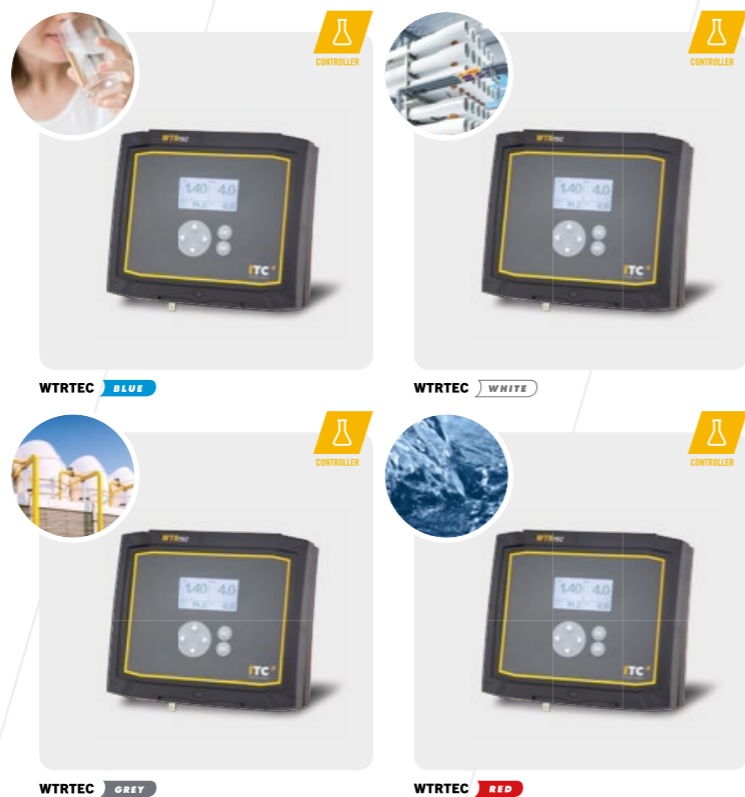
**Multifunction valve**  
PP or PVDF. 4x6, 6x8, 6x12 and 10x12 connection



**Degassing head**  
PP or PVDF

**Dosing control**

Multiparametric controllers to monitor free chlorine, pH, ORP (RedOx), flow and temperature, as well as adjust them through the control outlets for water treatment dosing pumps. The configuration options allow online control using an analogue output (mA) with PIQ adjustment.

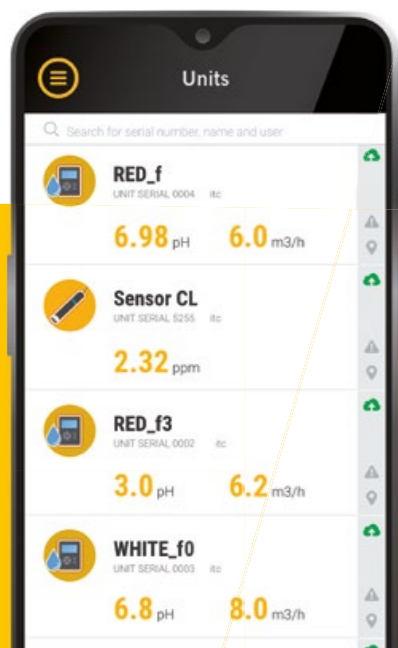


**Control solutions**

Monitoring and controlling proportional chemical dosing for water treatment and industrial processes.

**Plug&Play solutions**

Full, compact equipment that saves on space and installation time. They can include pre-assembled sensors, controllers and support elements, allowing for easy, fast system assembly.



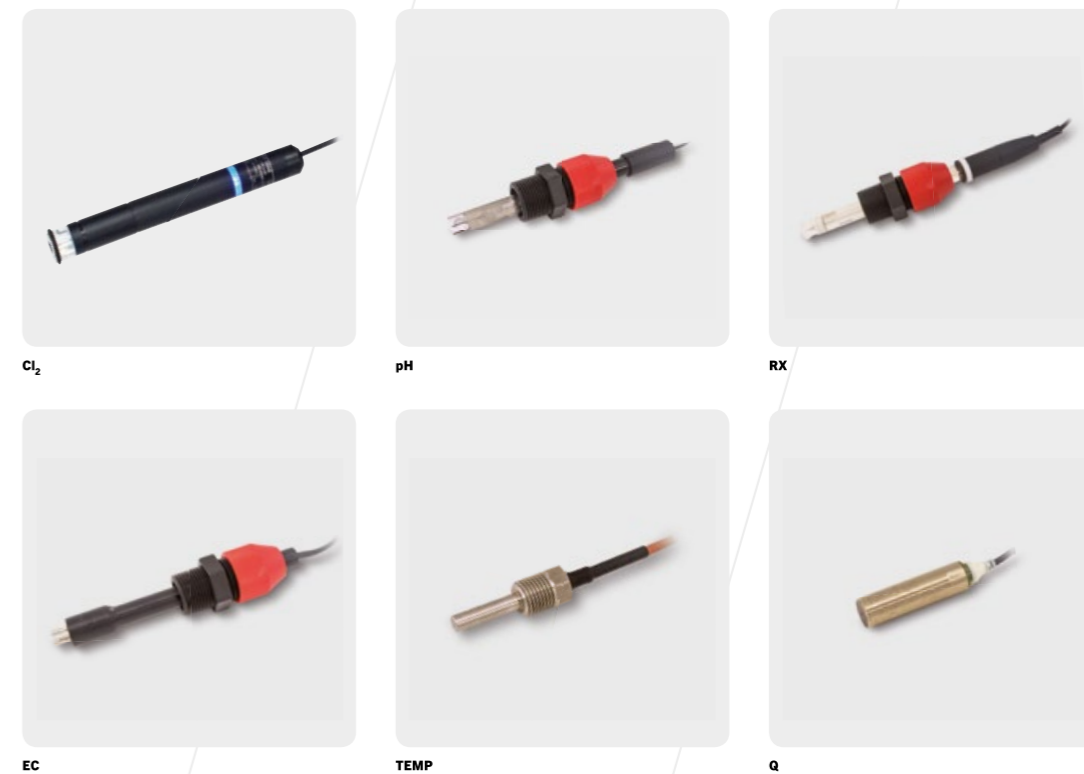
**CloudManager**

Remote management, with advanced control, of pumps and dosing control equipment.

- ▶ User-friendly, intuitive programming
- ▶ Data Logger and history search option
- ▶ Full equipment control and management
- ▶ User management

**Sensorisation**

Sensors to measure water quality and send data to dosing control equipment.



**Mixers**

Turbine mixers with centrifugal movement to help rotate the liquid, and axial movement to mix the bottom of the tank.

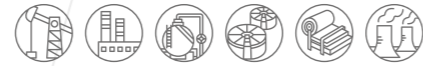


**Benefits of ITC devices**

- Quick installation thanks to pre-assembled equipment
- Adaptation and flexibility regarding customer requirements
- Lower installation cost
- The fastest production and delivery times on the market
- ITC warranty. All devices are tested after manufacture

# Industry leader in dosing pump manufacture

ITC was created in 1988 and it manufactures dosing pumps and dosing control equipment for injecting chemicals in a liquid state.



### 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 and control equipment.

DISTRIBUTOR BRANCH



## Our values

### Commitment

Willingness to build projects that make a contribution in more ways than simply a financial sense.

### 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, and ready to work together to overcome any problem that may arise.

### Integrity

Unshakeable honesty and consistency between principles and actions.

### R&D

Continuous innovation in products and processes.

### Quality

Quality is a priority. ISO 9001 and 14001-certified company.

### Support

Specialised technical support service for each product range.

### Training

Customised training programmes for distributors.



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DOSING PUMP

