

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.



Polyurethanes preparation

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



Disinfectant level control

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



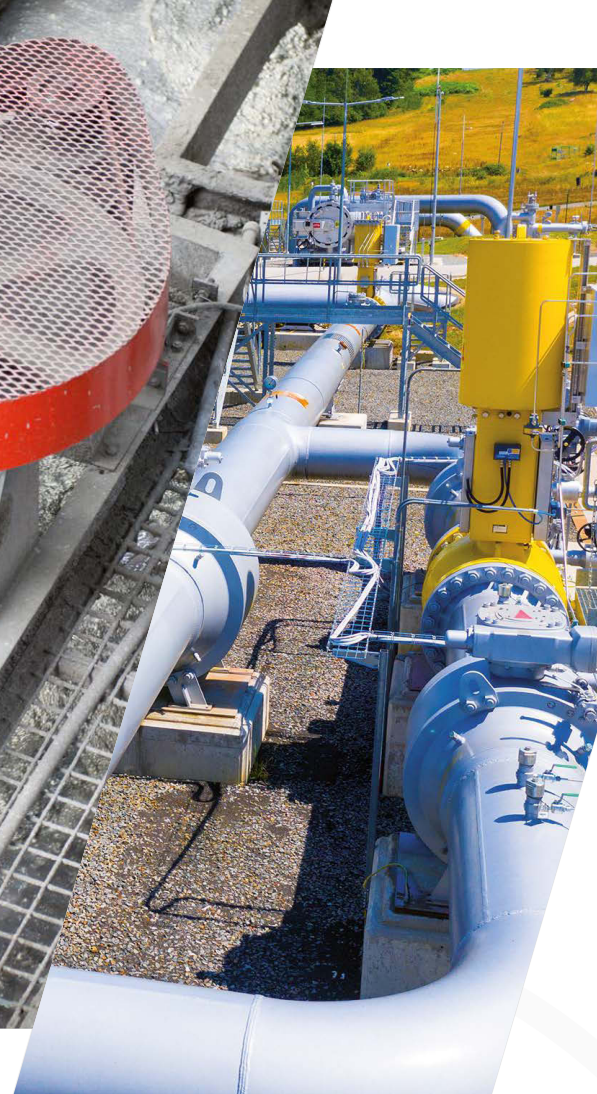
Compact dosing systems

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



Case Studies

Practical and real world situations, providing applied solutions ☺



Application sectors



PAPER
INDUSTRY



CERAMICS
INDUSTRY



CHEMICAL
INDUSTRY



FOOD INDUSTRY



MINING



OIL AND
GAS

Dosing solutions

Precise chemical injection for water treatment and industrial processes.

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.



MANUAL (MD, MP)



DIGITAL (Q)



ANALOGUE (mA)



pH/ORP CONTROL (PRC)



MULTIFUNCTION (MF)

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



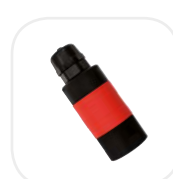
TEKDOS

Hydraulic accessories

Foot valves



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

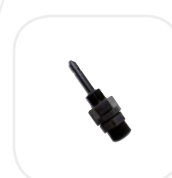


Foot valve with disc strainer
PP. 6x12 or 3/4" connection

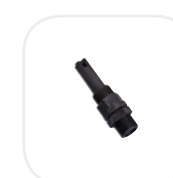


Foot valve with disc strainer
PP. 1 1/4" connection

Injection valves



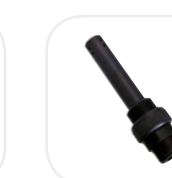
45 mm
Tube of 4x6, 6x8, 6x12 or 10x12 thread in PP or PVDF



45 mm
Tube of 6x8, 6x12 or 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.



WTRTEC BLUE



WTRTEC WHITE



WTRTEC GREY



WTRTEC RED

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.



DOSING KITS



MEASUREMENT AND CONTROL PANELS



SKIDS



DOSING BENCHES



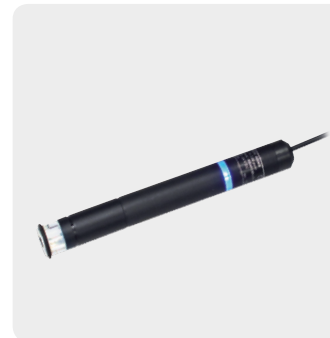
CloudManager

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

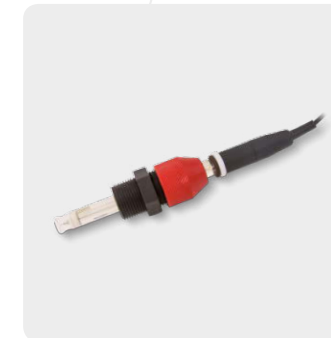
Sensors to measure water quality and send data to dosing control equipment.



Cl₂



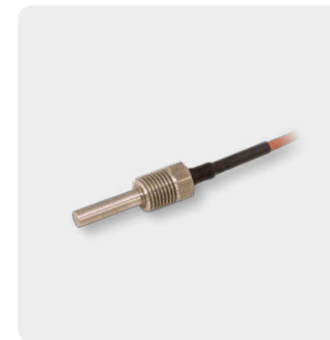
pH



RX



EC



TEMP



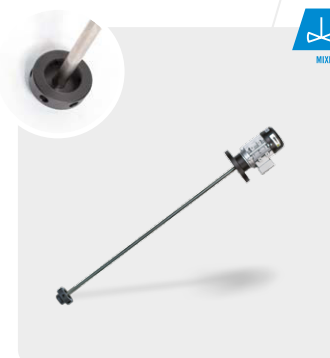
Q

Mixers

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



MIXER 0.6



MIXER 1.1



MIXER 1.3



MIXER 1.5



MIXER 2.0

Benefits of ITC devices



Quick installation thanks to pre-assembled equipment



Lower installation cost



ITC warranty. All devices are tested after manufacture



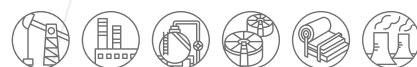
Adaptation and flexibility regarding customer requirements



The fastest production and delivery times on the market

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-certified company.

Support

Specialised technical support service for each product range.

Training

Customised training programmes for distributors.





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