



TDF SYSTEMS



Systems

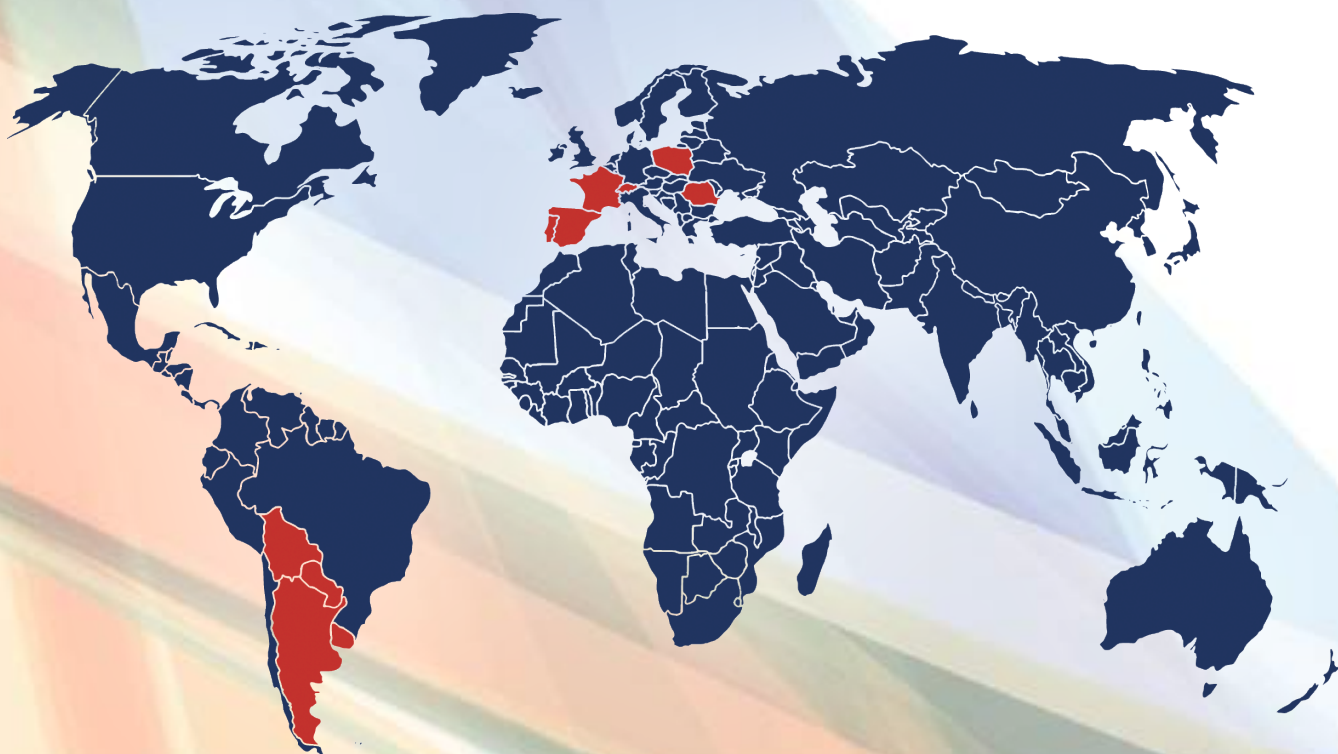


TDF SYSTEMS

FLOW SOLUTIONS FOR INDUSTRIAL PROCESSES

TDF Group **specialises in offering world-class transfer solutions** to the most demanding producers and engineering companies around the globe.

Established in 1976, continuous growth has situated TDF Group as the market leader in pumps for difficult product transfer. The group is currently present in 10 countries, with offices and warehouses in **Spain, France, Portugal, Switzerland, Romania, Poland, Argentina, Uruguay, Paraguay and Bolivia.**



Our systems department, **TDF Systems**, specializes in the **design, development and installation of plug and play systems**. Offering **high quality complete solutions for dosing, transfer and filtration** that bring numerous advantages to our customer, from the simplicity of having a **single supplier**, the **elimination of assembly work** avoiding possible connection problems, to the safety of having **leak-free equipment, tested and assembled by qualified technicians**.

All the equipment supplied by TDF Group follows strict construction standards and it is mechanically and electrically tested by our experienced technical service.

Our skids have applications in all industrial sectors such as: water treatment, surface treatment, desalination, solar energy, cogeneration, automotive, oil & gas and many others.

Our Advantages

Wide Range and Large Stock Availability



We have the widest range of industrial pumps and related equipment. We are the European company with the largest volume of stock.

Support and Training



We offer comprehensive support, from equipment selection and troubleshooting up to planning and implementation.

Engineering and Industrial Design



Our technical departments are involved in your project from start to finish in order to maximise the profitability of your installation.

Professional Tools



We work with the most advanced equipment, tools and workshop tools in the market. We have our own testing and calibration laboratory.

Manufacturing and Own Assemblies



We carry out all types of manufacturing and assembly of industrial systems. We offer complete high quality solutions for dosing, transfer and filtration.

SAT Service and Local Repairs



Our Technical Assistance Service is prepared to perform any type of repair, commissioning or maintenance at the customer's facilities.

Our Markets

At Técnica de Fluidos (TDF) we provide specific solutions for all industrial sectors. To do so, we have specialist technical teams which are fully aware of the problems and demands of each application.

General Industry

Chemistry, Inks and Paints, Ceramics, Plastics, Automotive, Energy, Machinery, etc.



Food Industry

Pharmaceuticals and Cosmetics, Laboratories, Research Centres and Universities, etc.



Water Treatment

Urban and Industrial Waste, Water Purification Systems, Analysis and Environmental Application, etc.



Construction and Mining

Public and Civil Works, Tunnel Boring Machines, Water Level Lowering, Emergency Management, etc.

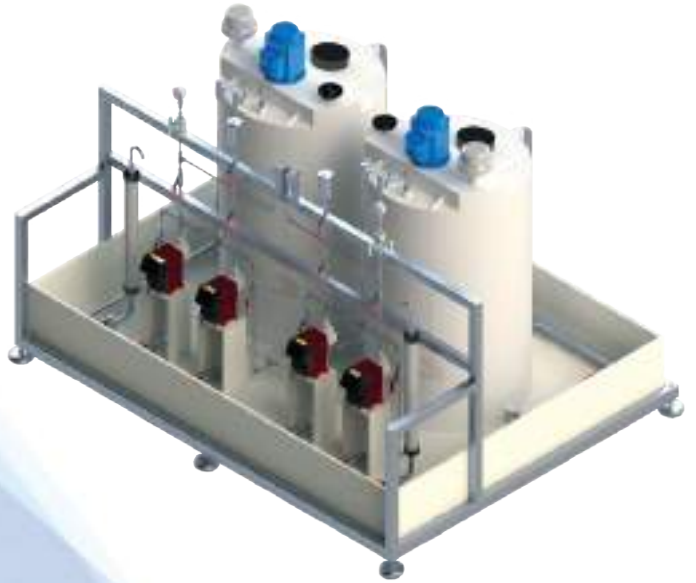


Oil and Gas

Engineering, Industrial Gases, Petroleum, Sampling, etc.



Chemical Dosing Skids in Frame



Depending on the customer's requirements, the chemical dosing can be offered in a lightweight frame.

They are fully customised and can include deposit tanks, electrical cabinets and containment tanks.

The most common applications are:

- Dosing of reagents in water/vapour cycle
- Dosing of chemical reagents in desalination
- Chemical dosing in purification
- Dosing of reagents in process waters
- Dosing of chemicals in formulation



Chemical Dosing Skids in Cabinet



TDF Systems offers the possibility of implementing your chemical dosing systems inside cabinets in PP, PE with transparent PVC doors. This type of system allows work in total safety in the event of possible pressure leaks.

They are fully tailored to the customer's specifications and can include a wide variety of accessories. The materials used for the pumps and accessories are based on the reagent to be dosed and can be PVC-U, PVC-C, PP, PVDF or SS. They can be supplied with electrical cabinets or junction boxes.

The most common applications are chemical dosage used in:

- Water purification
- Desalination
- Industrial processes
- Disinfection
- Formulation of reagents



Filtration Skids



TDF Group in collaboration with the Filtration department offers a wide variety of Pumping and Filtration solutions in both mobile and fixed constructions.

Depending on the physical properties of the liquids to be filtered and the degree of filtration, the appropriate filter or filters, the filtering elements, the materials and the necessary and required instrumentation are chosen.

The main applications are:

- Cleaning of recirculating bathrooms
- Unloading of trucks or deposit tanks
- Emptying of reactors and sending of product to packaging machines
- Transfer between deposit tanks
- Manual packaging machines with dosing guns
- Formulation



Skids with Centrifugal Pumps



TDF Systems offers pumping systems with centrifugal pumps with both mobile and fixed accessories.

We offer plastic systems for corrosive chemicals, stainless steel for industrial water and sanitary versions for the food industry.

Main applications:

- Filling tanks from tank trucks
- Pumping against exchangers
- Independent portable devices
- Dosing of fluids with predetermined volume



Skids with Pneumatic Pumps



The versatility of the pneumatic pump added to the fact that TDF has the exclusive distribution of Wilden Pumps make us able to offer pre-assembled skids for a variety of applications in different materials:

- Fluid transfers
- Filling of storage tanks
- Pumping with volume preselection
- Dosage/Formulation
- Pumping for water purification



Systems with Jung Double Screw Pumps



TDF Systems offers the possibility of selecting the pump system tailored to your application, with the ability to manufacture mobile and frame units with the most critical elements of your process. We adapt flow and pressure measurement instruments, safety valves, flow switches; all of them sanitary. Likewise, we offer the possibility of leaving the units completely autonomous and automated, being able to adapt control cabinets which are also configurable.

TDF Systems offers customised solutions with Jung pumps to meet your needs, the available sizes are: 50, 70, 90 and 125. The maximum pumping is around 350 m³/h. The differential pressure can reach 50 bar.

- High number of revolutions - optimal adaptation to the product
- Pumping viscosities from 0.5 to 1,000,000 cSt
- Low NPSH suction capacity up to 0.5 m
- Working temperatures as standard -10°C to 130°C.
- Cleaning temperatures up to 140°C and Sterilisation up to 145°C
- Certifications: EHEDG-3A-EC1935/2004-ATEX



Chlorine Gas Dosing Systems



We offer pre-assembled solutions to facilitate the installation and commissioning of chlorine gas plants:

- Pre-assembled equipment with pressurised chlorine and vacuum dosing line
- Chlorination Panels
- Booster Pump Panels

All these pre-assemblies are designed with defined engineering or with our technical proposal. Different equipment may be considered depending on the disinfection needs.



COMPREHENSIVE TECHNICAL SUPPORT

After more than 40 years in the industrial market, at TDF Group we have developed a high level of specialisation in the assembly, commissioning and maintenance of all types of industrial systems.

TDF SAT is an exclusive service that provides comprehensive technical assistance to its customers. The objective is to optimise the reliability and efficiency in all the facilities and thus maximise the profitability of the customer. To this end, TDF Group offers, through TDF SAT, the following services:

SUPPORT

ASSEMBLY

COMMISSIONING

MAINTENANCE

TRAINING

WARRANTY

PROFESSIONAL TOOLS AT THE SERVICE OF YOUR COMPANY



TEST BENCH



SERVICE LEVELS

Level A	Repairs in workshop
	Priority actions
	Discount on spare
Level B	Pickups and deliveries at customer premises
	Comprehensive technical assistance service
	Commitments on maximum time frames
Level C	Repair at customer facilities
	Scheduled preventive maintenance
	Commitment regarding stock of stipulated spare parts

***“We believe in your project and we ensure that nothing hinders it.
Your profitability is our goal”***



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