



The definitive guide to chemical dosing system hire for water and wastewater treatment

Precise, consistent and controllable chemical dosing is a critical element of water and wastewater treatment. To maintain quality, manage costs and ensure regulatory compliance, system operators depend on dosing equipment that matches their process needs, works effectively and performs reliably.

While most users choose to invest in their own dosing equipment, there are a number of circumstances where hiring can be a more expedient or cost-effective option:

- If equipment breaks down or fails in service. Hiring allows the early resumption of process operations, and gives staff more time to diagnose issues or source and install replacement equipment. Notably some processes are critical and stoppages must be avoided or at the very least minimised
- For planned maintenance interventions or upgrades/refurbishment. Hiring a dosing system can avoid process interruption
- In the testing and evaluation of new processes. Increasingly stringent regulations and pressure on operating costs is encouraging process owners to explore new treatment strategies. But what works in the lab doesn't always deliver in the field. Hiring a system for tests and field trials avoids money wasted on ineffective or inappropriate equipment
- To improve process flexibility. In the event of short term changes in demand, such as seasonal demand, or treatment requirements, hiring can allow the rapid and cost-effective adaptation of site capabilities
- To manage capex requirements. Some businesses, especially if they fall outside of the water industry AMP cycle or are in industrial treatment applications, face severe constraints on capital investment. Hiring a dosing system can significantly reduce the capital expenditure required when building or upgrading a treatment system or gain more time until capex can be made available
- To reduce labour and maintenance requirements. Hiring dosing equipment is engineered and tested by the provider, so is supplied ready to install; suppliers can also manage installation, commissioning and maintenance. This can provide significant benefits where in-house capabilities are unavailable or overstretched.

Rent it right

While the short, medium or long-term hire of dosing equipment can be the optimum solution in many applications, the benefits of hire will only be realised if the chosen provider has the appropriate equipment, capabilities and support infrastructure in place, and if they can bring those elements together into an offering that meets your requirements.

WES Group has offered specialist dosing equipment hire for many years. Our unparalleled expertise in the sector has enabled the development of a comprehensive equipment portfolio and service offering, which is designed to be fully compliant with environmental and safety standards and address a wide range of industry requirements.

Range

Site- and process- specific chemical storage and dosing requirements can vary by several orders of magnitude. WES can provide dosing system solutions to meet the full range of applications and regulations. Our hire fleet ranges from compact, integrated products like our DosingCube, to larger systems with tank capacities of up to 20m³. Our systems can be supplied by drum, IBC or tanker, ensuring they integrate seamlessly into our customer's existing operating procedures and supply chain.

Versatility

Equipment intended for hire applications must be suitable for a wide spectrum of potential customer requirements. This kind of versatility needs to be engineered-in for the start. The WES hire fleet makes use of high specification pumps, valves and pipework for compatibility with the majority of chemical products used by industry. We fit pumps with an extremely wide turndown ratio (up to 800:1 for larger pumps), to ensure equipment can be set to meet customer-specific flow and pressure specifications. We provide robust, easy-to use integrated control systems, so timings and dosage parameters are simple to set and adjust.

Availability

Hire equipment must be ready on time and at short notice, especially in time-critical breakdown situations. This requires a provider with a large fleet and the right logistics capabilities to deliver equipment fast. The WES equipment hire team understands that getting processes up and running is our customer's number one priority. Equipment can often be mobilised on a same day basis and be in operation at our customer's sites within days.

Even if we don't stock the exact system that is needed, we will be able to propose a solution based on some combination of the equipment in stock that will be suitable for your process.

Installation

Hire equipment must be easy to move, fast to install and straightforward to commission. WES has developed its equipment range with these priorities in mind. Our systems are palletised or containerised to simplify logistics. Robust, weatherproof enclosures maximise location flexibility. As far as possible, components are pre-integrated and pre-tested. Larger tanks, for example, are delivered with appropriate bunds and with filling equipment and safety systems already in place.





Integration

A hired dosing system must be quick and easy to integrate with the existing on-site equipment. WES can offer a broad range of pipework and connectors to make integration simple and straightforward, whether the system needs to link to existing dosing lines or come with its own. Controls are designed to operate independently or link to existing sensors and on or off-site control systems.

Expertise

Dosing equipment design, installation and maintenance is a specialised activity. WES can offer its hire customers a comprehensive range of engineering and technical services.

That ensures they get all the support they need to select, install and manage the right system for their needs. WES can provide equipment packages to suit customer specifications, or make recommendations based on a site survey.

Flexibility

The operators of water and wastewater treatment systems may opt to hire dosing equipment for many different applications and many different reasons. To meet their requirements, the equipment provider must be flexible and responsive, able to meet the lead times and hire periods the customer needs, and able to offer the right combination of equipment, support and expertise. WES prides itself on its ability to do what it takes to solve problems and address issues for its customers.

About WES Group

With over 25 years of experience, WES has established itself as the leading company specialised in the design, engineering and supply of chemical dosing systems and ancillary products and services. The range of services WES offers varies from a simple component through to the complete design, build and installation of bulk chemical dosing systems, including a wide range of readily available hire systems. The company's innovative and flexible approach enables them to be highly responsive and reactive to their nation-wide customer requirements.



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