



# WES meets water industry demand for larger and more flexible dosing plants

Responding to water industry demands for a wider variety of fully packaged, factory assembled and tested dosing plants, WES has developed a new range.

**This development project was initiated when Wessex Water issued a framework tender call for Phosphorous removal systems. It has resulted in greater choice, including packages with storage sizes up to 10,000 litres.**

## Flexibility, size and cost

The first challenge was to make these systems flexible enough to meet all control requirements and other product standards relating to different water utilities and approved suppliers. In particular, an innovative tank solution would be necessary to ensure compatibility with most chemicals.

In addition to the need for high flexibility, there were size and weight considerations – and then every detail had to be balanced against cost to make the overall price competitive. WES also had to be economical with time and to consider risks in relation to weather effects. On top of everything else, it was essential for WES to establish that it was suitably equipped for all aspects of manufacturing, handling and transporting the largest units.





### **The perfect package made easy**

Having presented an outline plant design, WES worked closely with Wessex Water's internal Engineering & Construction project team on developing it to meet their specific operational needs. All of these were addressed in a cost-effective and compact package. Even the largest unit could be handled in one lift and transported on a single, non-articulated, flatbed truck.

By fully assembling and testing packages in the factory, build quality was maximised while the amount of on-site installation and commissioning activity was minimised. As well as reducing project delivery time, this mitigated

the risks and site management costs associated with weather impacts and health and safety issues.

### **Successful co-operation**

Design, delivery and installation of the units initially ordered for dosing of Ferric Chloride and Ferric Sulphate, took 9 months and was complete in summer 2018. So far, WES has received a total of 18 orders for supply of 5,000 and 10,000 litre systems directly to Wessex Water or via its contractors. Importantly, this has established the first formal framework co-operation between WES and Wessex Water.

