



Fully enclosed chemical dosing systems comprising a GRP enclosure/cover fitted to a fabricated Polyethylene bund into which is fitted a 2500 or 5000 Litre Polyethylene storage tank. Single duty or duty/standby pumps can be fitted with dose rates up to 150 Litres/hr.

Uses

Designed as a medium capacity packaged, self-contained chemical dosing system for outdoor applications. Dosing pump and control options available for dose rates from 0.004—940 L/hr.

Safety & Ease of Use

With an integral bund and separate doors to the fill & dosing/control areas, the unit provides a safe & robust fully enclosed lockable unit. By using Digital dosing pumps which have a user interface that lets you enter the dosing rate you want directly on the screen, the systems are very simple to use. Furthermore, with a very wide turndown ratio (100:1 for smaller pumps 800:1 for large pumps) and no need for complicated stroke rate calculations, the system is truly “plug & play”.

DS2500 & 5000 Customisation

WES DS2500 & 5000 is a versatile, safe & secure system that can be fully configured to specific customer/industry requirements.

Key Features

-  Bunded
-  Compact
-  Low Power
-  12 Warranty
-  Certified
-  Digital Dosing
-  Plug & Play
-  Customer Support
-  Service Options



Features

- **Polyethylene bund** (resistant to most chemicals) - 2750 or 5500 litre capacity, separate lockable front access doors for fill & dosing compartments, 2500 or 5000 litre rotationally moulded storage tank.
- **Fill point** - Separate fill door opening to proprietary/compliant fill connections & valves for filling by chemical delivery suppliers.
- **Digital Dosing Pump(s)** - Allowing direct operator entry of dose rate. Also, allowing manual or auto operation modes with direct input of pulse or 4-20mA flow proportional control signals. Single pump duty or dual pump duty & standby set-ups are possible. Other dosing pumps can be specified to the client requirement.
- **Connections** - 3 vertical sleeve tubes rising through the bund to the dosing compartment allow power & signal cabling to enter & dosing lines to exit without being visible from outside the unit.
- **Control** - Various options available from simple manual control to full flow proportional automatic dosing with automatic duty/standby pump changeover. Telemetry options also available.
- **Dose rates** - Models available allowing dose rates as low as 0.025 l/hr or up to 150 l/hr.
- **Drip tray/bund** - The integral bund will contain any leakage and the level switch will inhibit the pump(s).
- **Health & Safety** - With integral chemical containment, automatic leak detection cut-off & splash screens, etc. The DS2500 & 5000 provide a safe dosing system for both operator & environment.

Technical Specifications	DS2500 & 5000	
Product name	DS2500	DS5000
Dimensions mm (W x L x H)	3150 x 2530 x 2400	
Storage Capacity	2500 Litres	5000 Litres
Bund Capacity	2750 Litres	5000 Litres
Tank Fill Connection	Separate door opening to proprietary/compliant fill connection Including camlock connectors and isolation valves	
Tank Suction Connection	Tank is fitted with a suction lance incorporating low level dry running protection switch & foot valve. Further options available with re-order level switch and over-fill level	
Materials of Construction	Polyethylene Enclosure, uPVC valves, pipes & pump head Other valve and pipe material available	
Operating Voltage	Dual - 240 or 110 V AC	
Control	Manual pump control as standard—further control options are available up to full automatic control through the pumps inputs/outputs (I/O). Automatic duty/standby pump changeover also available. Telemetry options also available	
Bund/Drip Tray	110% of storage capacity which incorporates a level switch for leak detection The pumps are turned off if a leak is detected	
Valves	Pressure relief valve(s) with discharge route back to storage tank. Pressure loading valve, delivery isolation valves, calibration vessel optional.	

Digital Dosing Pumps	Pump Options
Dose Rate Capacity l/hr	Multiple variants, typically available from 0.025 l/hr up to 150 l/hr max
Back Pressure (bar)	3 –10
Suction Lift (m) max	6
Head Material	Standard uPVC with options of PP/PVDF/SS
Turndown Ratio	100:1 to 10000:1 depending on pumps selected
Flow Displayed	Optional

