

A fully enclosed chemical dosing system comprising a weatherproof Polyethylene rotationally moulded enclosure and integral bund into which is fitted a 1700 Litre Polyethylene storage tank (working volume 1500L). Single duty or duty/standby pumps can be fitted with dose rates up to 150 Litres/hr.

Uses

A small to medium capacity packaged chemical storage and dosing system for indoor or outdoor applications. The DS1500 unit provides a safe and robust alternative to traditional IBC based setups or site assembled equipment. Designed to accept 1000 litre deliveries from commercial chemical suppliers and/or pump over from customer IBC's.











Safety & Ease of Use

With an integral bund and separate doors to the dosing & fill/control compartments, the unit provides a safe & robust fully enclosed lockable unit. By combining with Digital dosing pumps which have a user interface that allows the dosing rate you want to be entered directly on the screen, the systems are very simple to use. Furthermore, with a very wide turn-down ratio (3000:1 for smaller pumps, 800:1 for large pumps) and no need for complicated stroke rate calculations, the system is truly "plug & play".

DS1500 customisation

WES DS1500 is a versatile, safe & secure system that can be fully configured to specific customer/industry requirements.

Key Features

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



DS1500 Dosing Unit

Your chemical. Our know-how.

Features

- **Polyethylene enclosure** – IP54 with integral fully seamless bund (>110%), separate lockable front access doors for fill & dosing compartments, 1700 Litre rotationally moulded storage tank, integral bund & top shelf/drip tray for equipment mounting.
- **Fill point** – separate fill door opening to proprietary/compliant fill connections & valves for filling by Chemical delivery suppliers.
- **Top access port** – for ease of access to tank top instruments.
- **Digital Dosing Pump(s)** – single pump duty or duty/standby set-ups are possible.
- **Connections** – vertical tunnel 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 dual containment, fully moulded seamless construction, automatic leak detection cut-off and splash screens, etc. The DS1500 provides a safe and robust system for both operator and environment.
- **Accessories & other options** – a full range of accessories including suction & delivery hoses, injectors, controllers, etc. Options include materials of construction for pump head, valves & pipework to suit chemical to be conveyed. Control options including fully auto from run signals and/or flow proportional control signals.

Technical Specifications	DS1500
Dimensions mm (W x D x H)	1775 x 1475 x 2050
Storage capacity	1500 Litres
Bund capacity	>1650 Litres
Tank fill connections	Separate door opening to proprietary/compliant fill connection including camlock connectors, isolation valves, etc.
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, over-fill level, etc.
Material of construction	Polyethylene Enclosure, uPVC valves, pipes & pump head. Other valve & pipe materials available.
Operating voltage	Dual – 240 or 110 VAC
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	>1650 Litre capacity which incorporates a level switch for leak detection. The pumps are turned off if a leak is detected.
Valves, etc.	Pressure relief valve(s) with discharge route back to storage tank. Pressure loading valve, delivery isolation valves, calibration vessel optional.

Digital Dosing Pump	Pump Options
Dose rate capacity l/hr	8 variants 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
Turn down ratio	800:1 to 3000:1 depending on pumps selected
Flow displayed	Yes

