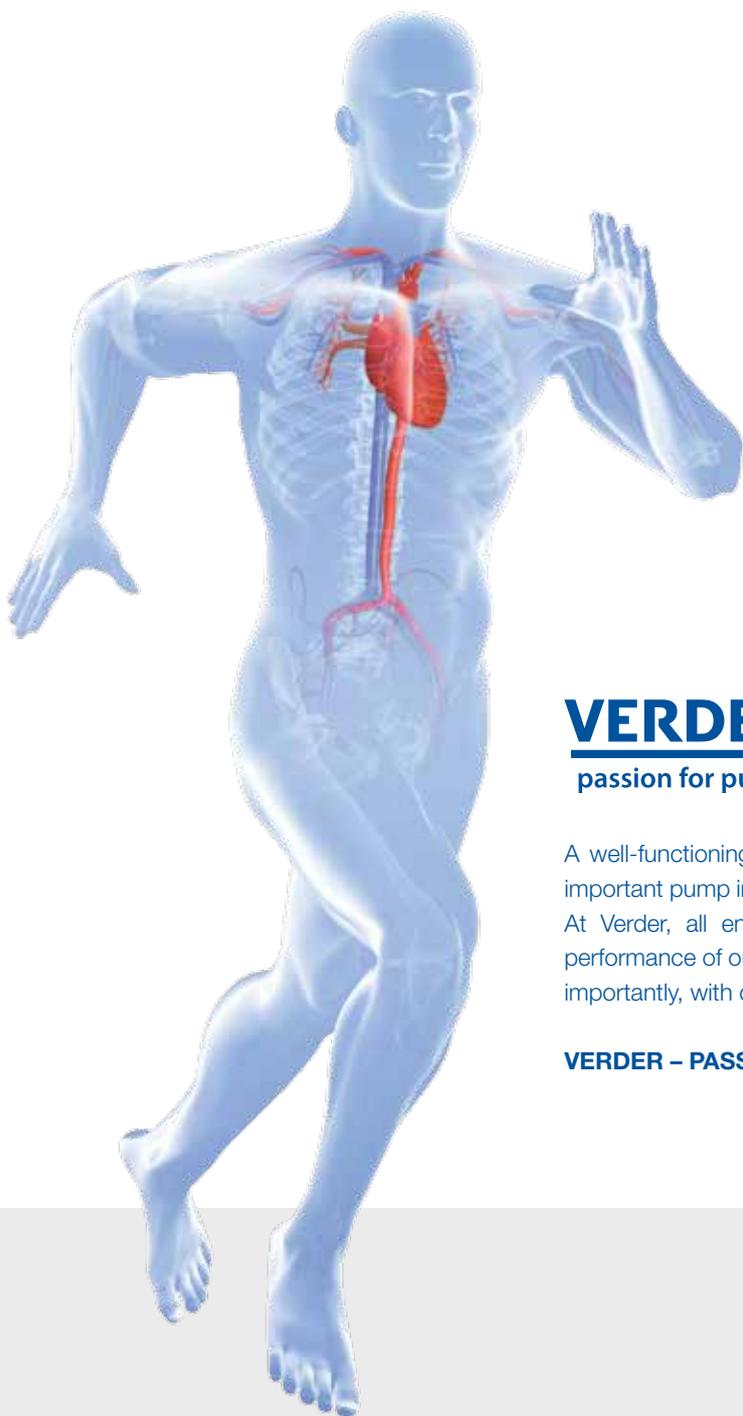




## VERDER MINI DOSING SYSTEMS

Peristaltic and metering systems | IBC Mixer Units | Housings for external environments



## **VERDER**

passion for pumps

A well-functioning pump helps you succeed. That applies certainly to the most important pump in life, the human heart, but the same goes for pumps in business. At Verder, all energy and attention is focused on improving the quality and performance of our pump and service. We do so with energy, dedication and most importantly, with our heart.

**VERDER – PASSION FOR PUMPS**



*1 Company  
26 Countries  
55 Years of expertise  
Global network  
Local distributors  
In-house service & maintenance  
A solution for every application*

### *Verder dosing*

Verder are specialists in the design and build of dosing solutions for water and waste water treatment processes.

Our mini-dosing solutions have been created to allow a professional quality dosing process in a package that is easy to store and transport.

#### **The dosing system**

- *Peristaltic or metering pump for a range of chemical types*
- *Analytical probe for readings such as pH, turbidity or redox*
- *Variable dose rates*
- *Electrical distribution and power sockets*
- *Assembled on a freestanding, IBC hook-mountable rig*

#### **Optional**

- *Dynamic mixer which can be mounted on any standard IBC and is freestanding during refilling*
- *External housing for remote locations and hostile conditions*
- *Custom specifications available*

### *Verder Quality*

All of our dosing solutions are designed and built at the Verder Service Centre.

Verder Ltd is an ISO 9001, 14001 and 18001 company. Our dosing systems can be built to a standard specification or as a one-off bespoke solution.





### *Advanced chemical dosing anywhere*

A fully operational packaged chemical dosing system which can be easily transported to a location in any indoor premises or outdoor location.

The system is excellent for where a permanent packaged plant system proves to be prohibitive in terms of cost or space.

For where a full scale solution is too costly, the Verder unit provides an accessible solution without compromising on the quality and format of dosing.

The unit can be easily transported to site with an IBC of chemical. The unit is quickly operational by connecting it to a generator and chemical feed and the analytical probe being placed in the effluent stream. This makes the system ideal for rapid response applications or as a standby for a permanent installation.

The unit is extremely robust, IP-rated and can operate as a long-term solution for a small-scale dosing process such as a small tank of effluent or as a pilot process.

### *For all chemical dosing requirements*

Verder offer dosing solutions for processes of all sizes. Working in conjunction with almost all of the UK's water companies we have supplied full packaged plant systems in kiosks to many sites around the UK.

The Verder Project Team can offer a full design, build, installation and maintenance service. All of our customers have been impressed with the build quality and in many instances the cost savings of harnessing existing assets where there is still a useful working life.



## *Dura dosing*

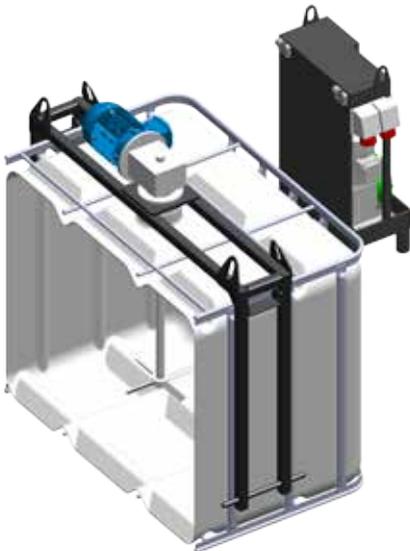
For the dosing of viscous and abrasive lime chemical slurry

### *The Dura System*

The Dura dosing system has been designed to excel in handling lime chemical - Used for treatment of effluent and pH correction. The system features a Verderflex Dura peristaltic pump to handle lime chemical up to 47%; an abrasive, viscous suspension. The Dura pump is used at WWTW around the country and is a proven technology in the effective handling of lime. The dosing speed is controlled by the onboard inverter and analyser, allowing proportional dosing of pH.

#### **Features**

- *Freestanding PE UV resistant frame with spill catch base.*
- *Verderflex Dura peristaltic pump which is highly suited to handling abrasive lime chemical. With PN16 Stainless steel or PP flanges for resistance to chemicals and for easy hose changes.*
- *Stainless steel mounting brackets (o 20mm) for easy mounting on the side of any standard IBC*
- *Electrical distribution unit - IP55 rated*
- *Analytical meter and inverter - For variable dosing. Available for pH, turbidity, redox and more.*
- *Easy 2 man lift for manual handling.*



### *Optional IBC Mixer*

For the agitation of powdered lime chemical to maintain a homogenous state. The mixer unit is freestanding, allowing an easier changeover of IBC units or during refilling. Featuring collapsible blades for easy insertion, the Verdermix dynamic mixer delivers a powerful mixing action to prevent sedimentation and 'dead spots'. Installation is easy with the unit being easily mounted with the power being drawn via the dosing system.

ATEX options available.



For more information please visit [www.verderliquids.com](http://www.verderliquids.com) or contact us at [info@verder.co.uk](mailto:info@verder.co.uk)



### *Digital dosing*

For the dosing of aggressive and low viscosity chemicals such as ferric chloride or sodium hydroxide.

The digital dosing system offers a highly accurate metering of chemical into an effluent stream. The metering pump also allows for a high turndown ratio, which is excellent for where the demand for dosing volume can vary.

### *Features*

- *A range of digital metering pump technologies for the most accurate delivery of chemicals with high turndown*
- *Analytical meter and probe*
- *Electrical distribution with a standard 415v or 110v power socket.*
- *For handling highly corrosive chemicals*
- *Free standing PP UV resistant frame with spill catch base and Perspex front cover*
- *Easy 2 man lift.*





## *Weatherproof dosing*

For dosing operations in external environments our systems are available with a purpose-built housing.

The housing is available for both the dosing systems and for the IBC of chemical and provides protection against temperature, adverse weather conditions and wildlife.

The housing provides a stable environment for temperature-sensitive chemicals such as sodium hydroxide.



### **Features**

- *UV-resistant enclosure*
- *Roller shutters with padlock bracket*
- *Forklift points*
- *Spill bund area with removable grating floor*
- *Rigid design supported by internal supports*
- *Trace heating element*
- *Electrical distribution controls*
- *Ventilation points and extraction fan*
- *Thermostat control*
- *Inlet/Outlet ports for power and fluid*



### *Site installation*

A housing is easily transported to site and simply either craned or lifted into position. The dosing system is then placed inside the housing and connected to the power and chemical feed. The probe can be placed into the effluent stream and dosing can begin.

The dosing unit can be connected to an IBC or tanker of chemical such as lime or sodium hydroxide.



Where a mixer is in use for maintaining the suspension of lime chemical, the power is drawn from the dosing unit.

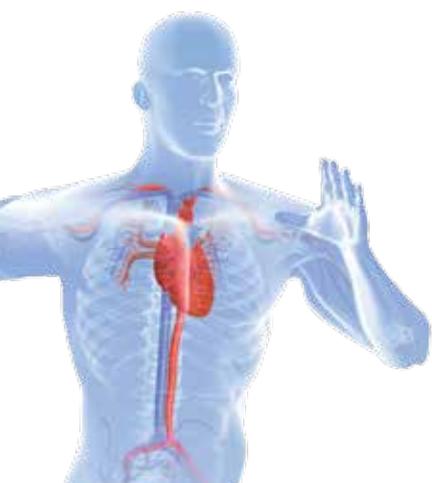
The unit can operate almost indefinitely providing the power and chemical source is maintained.

A full list of spare parts is available.



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For more information please visit [www.verderliquids.com](http://www.verderliquids.com) or contact us at [info@verder.co.uk](mailto:info@verder.co.uk)



*Any questions? You may still have questions and/or comments after reading this brochure. Please feel free to contact us on +44 (0)1924 221 001. You can also contact us via email: [info@verder.co.uk](mailto:info@verder.co.uk) Visit our site at: [www.verderliquids.com](http://www.verderliquids.com)*

**VERDER LTD.**  
Unit 3, California Drive  
Castleford, West Yorkshire, WF10 5QH  
United Kingdom

**TEL** +44 (0)1924 221 001  
**FAX** +44 (0)113 246 5649  
**MAIL** [info@verder.co.uk](mailto:info@verder.co.uk)  
**WEB** [www.verderliquids.com](http://www.verderliquids.com)

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