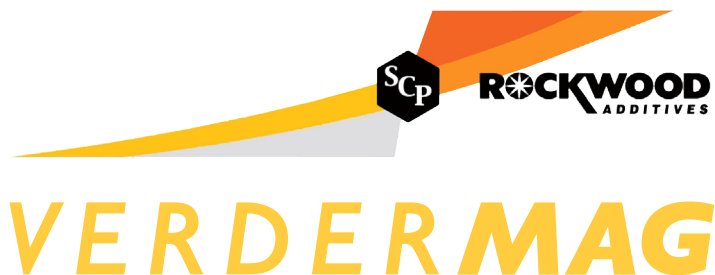




## Case Study CSI Wood Protection

*As market leaders of wood preservatives, CSI Wood Protection Limited who form part of Rockwood Additives group require the facility to handle hazardous and corrosive materials at their production facility in Barrow in Furness to produce first-class products.*

*Environmental considerations are a primary consideration when selecting their fluid handling equipment and Verder's range of lined magnetic drive pumps fitted this requirement perfectly.*





## Process points

As market leaders of wood preservatives, CSI Wood Protection demand a high-quality production process to ensure their customers have a consistent and accurate product.

The production plant in Barrow-in-Furness required a pump to move the base product for wood preservative from storage tank to mixing tank.

With the requirement to handle hazardous and corrosive materials, environmental considerations are a priority when selecting their fluid handling equipment. Verder's range of lined magnetic drive pumps fitted this requirement perfectly. Crucially, the Verdermag range is leak-free with no mechanical seals.

With the Verder range of lined magnetically driven pumps offering enhanced performance characteristics, in particular a market leading low NPSHr, technical consultation from their UK facility and external engineering

support, CSI were able to proceed with confidence. The confidence was well placed as the installed pump has provided trouble-free operation since its installation over twelve months ago. Indeed its performance was so good that Plant Manager, Derek Ellis, is looking at replacing further pumps at the facility. Derek commented

*"It has been a pleasure to work with a UK supplier who understands my requirements and offered a no hassle consultation and a product to suit his process."*

Verder are delighted to be working with one of the UK's leading suppliers of wood preservatives and are confident that the Verdermag range will continue to provide CSI with continued maintenance-free performance in the future.

Verder were able to provide spares and advice at CSI Wood Protection's convenience.

Verder can provide a full end-to-end pump service with the customer being welcomed to take advantage of knowledge and expertise with installation and bespoke requirements or simply a pump unit or spares.

Customers can take advantage of the following services:

- Surveys and consultation
- Engineering technical support
- Visit at-premises
- Bespoke design & project engineering
- Pump supply
- Spares provision
- Installation
- Commissioning & training
- Preventative maintenance & servicing
- Diagnostic, performance & hydrostatic testing and inspection
- Repair & overhaul

The **Verdermag range** consists of mag-driven sealless, hermetically closed centrifugal pumps. They are also available as chemical norm pumps and with ANSI and DIN specifications.

The excellent corrosion resistance make the Verdermag glandless pumps a reliable pumping solution for applications in almost all areas of industry.

Material choices such as PVDF, PFA and Silica carbide make mag-drive pumps particularly suitable in the chemical and process industries. For the more common applications PP is a good price /quality alternative.

#### Advantages

- 100% leak free
- No mechanical seals or packed glands
- No external flushing systems
- Ensure a clean and safe operating environment
- Highly efficient
- Close coupled design
- No alignment required
- Increased Mean Time Between Maintenance

#### Leakproof

Mag-drive pumps have no glands, seals or valves. In contrary to sealed centrifugal pumps, the magnet capsule of the Verdermag pump ensures a safe and leak free operation. Even under heavy-duty circumstances the pumps are extremely reliable.

Verdermag offers a wide range of pump series, such as VMD, Global, TB, U and even self-priming pumps (GPSP series). Metallic or non-metallic

versions are available.

#### Application areas

- Chemical processing
- Metal plating
- Parts washing
- Circuit boards
- Photo processing
- Pharmaceuticals
- Food Processing
- Wet Scrubbers
- Semi Conductors



The mag drive pumps have an extended choice of materials and options.

With its 100% leak-free operation the Verdermag mag drive pump series assists you with safe fluid and chemical transfer.

#### Verdermag Global

For exceptional pumping performance and build quality, the Verdermag Global range is the benchmark in metallic centrifugal mag-drive pumps and are suitable for use with highly aggressive substances.

#### Benefits

- Simple, modular design
- Leak-free operation & exceptional build-quality
- First class engineering support
- Ultra-reliable
- Economical operation

#### Applications

- Fast-loop systems & oil sampling
- Handling aggressive chemical solutions
- Tanker off-loading
- Circulation in high-pressure systems
- CIP
- Pharmaceutical production
- Petrochemical