



# Chemical Pumps Engineered for Your Process

Optimise Performance  
with Specialist  
Support



**NORTH RIDGE PUMPS**  
ENGINEERED BEYOND YOUR NEEDS

A proven track record for product support and customer service throughout the UK and internationally



Whether you're dealing with chemical attack, clogging, separation, downtime, or other issue – it's costly. Time wasted troubleshooting and lower production mean missed targets and less profit. A chemical pump is the solution but choosing the right one feels like stepping into a minefield. You know what you need it to do but with so many options, it's difficult to know which is best for your process and parameters.



## We're pump specialists, so you don't need to be

We've been engineering chemical pumps for sectors involved in Blending, Mixing, Cleaning, Wholesale, Fertiliser, Dye, Paint & Pigment, Petrochemical, Life sciences, and Pharmaceutical and more, for over 20 years. We understand industry-specific processes and know what it takes to optimise performance through better-suited pump design - giving you complete peace of mind.

### EXPERT GUIDANCE:

Our expert engineers understand your process and guide you through the options, so you can confidently select the most suitable chemically resistant pump.

### BESPOKE PUMP DESIGN

We work with you to configure the pump to your fluid, application and needs.

- + Designed using materials suited to your process, required duty point and specific fluid handling requirements.
- + Engineered specifically for your process including baseplate mounted, within a mobile frame or in kit form as plug and play, with couplings, hose, dispensing nozzle, flowmeters, valves, control panels, inverter drives and monitoring systems.

### KEY CONSIDERATIONS WHEN SELECTING A CHEMICAL PROCESS PUMP:

- + Lowest lifetime cost
- + Zero impact on the product such as change to consistency
- + Operational duty needs
- + Industry-standard requirements such as ATEX, ISO2858, hygienic construction, 3A, FDA or EHEDG approved
- + Suitability for its location, for example, in an explosive environment
- + Seal Less construction for minimal downtime and maximum safety
- + Elimination of manual handling; automated transfer, and improved safety



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## Trusted by over 500 companies to reduce downtime, increase production and save time

Industry knowledge and application expertise across dispensing, dosing, full containment, gentle handling, blending and transfer, means whatever the problem, it's likely we've seen it before. So we can help you solve it sooner.

- + Accelerated stator wear
- + Clogging
- + Changes to fluid consistency
- + Flow Reduction
- + Inconsistency in finished product
- + Inaccurate transfer of chemicals
- + Leakage | Liquid separation
- + Product Wastage
- + Seal wear or failure
- + Valve Blockage or unintended Opening

### OPTIMISE PERFORMANCE

All our Chemical Process Pumps are available with ATEX Accreditation, and in Seal Less construction for maximum safety.

### KEY FEATURES: MULTIPURPOSE PUMPS FOR VERSATILITY AND CONVENIENCE

Conveniently use one unit for multiple fluids, various viscosities, and process duty.

### MOBILE PUMPS MAKE IT QUICK AND EASY TO MOVE BETWEEN DECANTING PROCESSES

Effortlessly move trolley-mounted or hopper-fitted pumps.

### EASY-TO-EMPTY, AND MAINTAIN UNITS ENSURE MINIMAL DOWNTIME AND HIGHER SAFETY

Empty units quickly with hose and trigger nozzles. Dismantle easily, clean effectively and reduce maintenance time.

### SOLID HANDLING UNITS MEAN LESS CLOGGING, INCREASED UPTIME, AND NO DAMAGE TO PRODUCT

Pump up to 1M cst of difficult sludges, solid laden fluids, and non-flowing products, with auger feed and bridge breaker.

### VARIABLE SPEED MOTOR GIVES GREATER CONTROL AND KEEPS PRODUCT AT PREFERRED CONSISTENCY

Easily vary output flow and manage various viscosities with an integrated inverter. Increase accuracy and avoid splashing with automation.

### OPTIONAL PRESSURE RELIEF VALVE PREVENTS DAMAGE TO PUMP AND PRODUCT, AND INJURY TO OPERATORS

Easily remove the risk of sudden liquid escape, loss of product and injury caused by pressure build up and failure of pipework, joints and pump head.

### SEALLESS AND VALVELESS UNITS MEAN FEWER PUMP ISSUES AND KEEP THE PROCESS RUNNING SMOOTHLY

Prevent leakage within the pump, ensure full containment and eliminate clogging.

### DOUBLE MECHANICAL SEAL ENSURES HIGH LEVEL OF SAFETY AND REDUCED WEAR

Securely pump abrasive, flammable or viscous fluids while maximising the lifespan of the unit.

### HEATING JACKET PRESERVES FLUID VISCOSITY AND PREVENTS SOLIDIFYING

Automatically maintain fluid temperature and minimise risk of product damage.

### OPTION OF ATEX RATED UNITS FOR THE HIGHEST SAFETY

Be confident of unit operation within flammable environments, safeguarding plant and operators.

### EXAMPLE PRODUCTS:

- + Acids
- + Alkalis
- + Coagulants
- + Corrosive
- + Chemical Sludge
- + CO2
- + Flammable
- + Flocculants
- + Oxidisers
- + Pyrophoric
- + Refrigerants
- + Solvents
- + VOC with low NPSH
- + Water Reactives



Want to optimise performance sooner?  
Speak to one of our specialists.

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