

Mono® NOV Wipes Out Delays For Detergent Manufacturer

Flexichem Ltd, one of the UK's leading manufacturers of industrial detergents turned to Mono® NOV to deliver safe and effective transfer of hazardous and non-hazardous solutions in their production process.

Flexichem produces a range of detergents at its base in Cheshire, for use in transport, catering, textile, food and brewing industries, these are sold under different brand names. Having encountered delays using a gravity feed method to fill containers, Flexichem approached Mono to provide a solution. Versatility and durability were key factors in the decision to use a compact progressing cavity pump, to quickly and efficiently transfer different liquids ranging from water softening agents through to more hazardous products, such as sodium hydroxide liquor with minimum downtime.

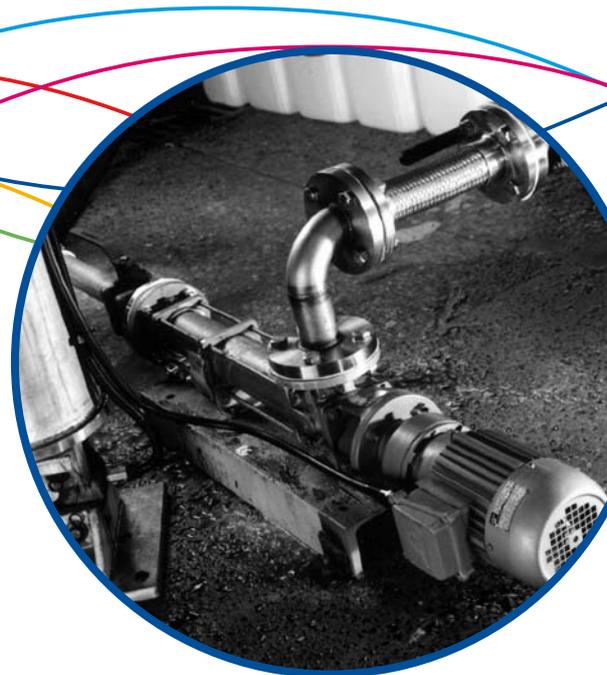
The compact pumps can handle a variety of chemical solutions, making it an ideal choice for this particular application. Capable of achieving capacities up to 225m³/h and pressures up to 24 bar, the pump installed transfers the detergents at 4000 l/h and 0.41 bar pressure, ensuring a fast and effective transfer to the containers.

Stuart Walker, Company Director has been particularly pleased with the installation and commented, "We have successfully used Mono pumps for over fifteen years on this site, so they were the obvious choice when it came to

choosing new pumps. We had a Mono installed in the early 1980's that is still in use today, and it continues to be both durable and efficient".

"Mono considered our specifications and recommended the compact pump which is ideally suited to handling the different types of product that we produce, and has overcome the delay problems we were suffering with the previous system."

With positive displacement for process control and variable speed for accurate dosing, the rotor/drive train utilises an upgraded sealed pin joint design, to maximise life and minimise downtime. A plug-in shaft fixing facilitates assembly and dismantling for repairs and maintenance and overall pump reliability is supported by modular component design, which minimises the cost of stocking spare parts.



Pump:	Compact progressing cavity pump
Product:	Non ionic surfactants, plus 47% caustic soda, 200 cPs max. Specific gravity 1.0-1.5 pH up to 14 ambient temperature
Capacity:	4000 l/h
Pressure:	0.41 bar
Pump Speed:	538 rpm
Drive:	Fixed speed gearbox
Prime Mover:	0.75kW motor



Mono Pumps Ltd
 Martin Street, Audenshaw
 Manchester, M34 5JA England
 T. +44 (0)161 339 9000
 E. info@mono-pumps.com
www.mono-pumps.com

Mono® NOV

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