

PRODUCT PRESS RELEASE

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For Immediate Release

TOUGH, HEAVY DUTY GEAR PUMPS FOR INDUSTRIAL PUMPING

The extensive range of **Viking Pumps** provides one of the widest choices of pumping technologies and designs available today underpinned by Viking's breadth of fluid handling knowledge and application expertise in solving the most challenging pumping problems. These pumps are available from **MICHAEL SMITH ENGINEERS** who are able to provide Viking pump users with a wealth of practical and technical experience for the complete range of Viking positive displacement pumps.

The range comprises four pump types; External and Internal Gear, Rotary Lobe and Rotary Vane, so a wide span of flow rates and discharge pressures are covered. Internal gear options include a Universal Seal pump.

These are available in 12 standard size options providing flow rates up to a maximum of 345 M³/Hr and are designed to meet the demands of heavy-duty, industrial pumping applications, even in the most challenging environments.

An important feature of Viking Universal Seal Pumps is that they are designed to accommodate virtually all types of seal. These can be packing, component or cartridge mechanical seals which can be easily fitted, usually

without bracket modifications. This means that operators have the flexibility to benefit from the latest sealing technology to both maximise performance and to meet the ever-changing fugitive emissions standards.

Viking Universal Seal Pumps are easy to maintain as the simple design of their internal gear pumps means that there are only two moving parts. The back pull-out design of the seal housing allows drive end access to the pump seal for quick and easy replacement without removing the pump or rotor, helping to keep downtime to a minimum. The pumps are equipped with heavy duty bearings and bushings and so support of the pump shaft is enhanced which in turn helps extend the life of the pump and the seal.

Viking Universal Seal pumps are available in wide range of construction materials including cast iron, ductile iron, cast steel, stainless steel and alloy C allowing broad chemical compatibility with a huge range of liquids. There are also jacketing options available for all the critical areas of the pumps including the bracket, seal, casing, flanges, head and relief valve. This ensures that key components can be heated or cooled rapidly and accurately so allowing faster start-up and providing uniform, accurate temperature control.

The pumps can handle a wide range of liquids with viscosities from 1.0 cSt to 400,000 cSt and are suitable for operation in applications with temperatures of -85°C to + 425°C. They are ideal for high volume, continuous duty liquids transfer across many industry sectors including, general processing, chemicals, food & beverage, oil & gas, refining, plastics, resins and rubber and pulp & paper. ENDS.

Further details on Viking pumps are available from:

<http://www.michael-smith-engineers.co.uk/products/viking/internal-gear-pumps>

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