

PumpAction..... Issue 18

NEW PRODUCTS

Viking sealless pump solves problems with hard-to-seal hazardous and toxic liquids

The liquid seal in any pump is the weakest link, generating the maintenance costs and triggering unscheduled downtime. Shaft seals wear faster when liquid, air and heat combine at the seal faces to cause chemical reactions such as:

- **Crystallization** where abrasive crystals cause premature wear
- **Sticking** where seal faces bond when pump stops
- **Varnishing** where layer builds up on seal faces causing separation

The 'new' Viking Mag Drive Series 855 is designed to eliminate seal problems and operate continuously twenty-four hours, seven days a week. The internal bush design has a pressure capability of 14 Bar, extends rotor and bush life by providing better alignment and uses thrust washers on both sides of the front bushing which fix the rotor in position regardless of pressure variations or upset conditions. The Viking Mag Drive Series 855 performance capabilities are:

- Capacity: To 29.5 m³/hr
- Pressure: To 14 Bar
- Viscosity: To 55,000 cst
- Temperature: To 260°C
- Port Size: To 3"

If you cannot afford pump downtime, or when the costs of environmental controls are considered, the Viking Mag Drive 855 is the most cost-effective and reliable sealless gear pump design on the market.

