Sundyne Enhances ANSIMAG Sealless Magnetic Drive Plastic Lined Pumps

Design Features and New Capabilities Specifically Address Harsh Chemicals Required for Chemical Manufacturing & Downstream Refining Applications

ARVADA, Colo. (PRWEB) June 20, 2018 -- Sundyne, a global leader in the design and manufacture of pumps and compressors, today announced a series of enhancements to the ANSIMAG line pumps that are designed to meet and exceed all ASME/ANSI B73.3 and ISO 2858 chemical process pump standards.

Since 1985, more than 50,000 ANSIMAG sealless, non-metallic magnetic drive pumps have been deployed to successfully handle harsh and corrosive chemicals used in a variety of industries, such as:
- Chemical manufacturing (chlor-alkali/chlorine, sodium hydroxide);
- Downstream refining (sour water, sulfuric acid);
- Mining applications (cyanide, sulfuric Acid, hydrochloric Acid);
- Agricultural applications (pesticides & insecticides);
- Aquatic & marine applications (seawater);
- and many others…

The new enhancements added to the line of ANSIMAG pumps improve reliability, enhance the pump’s ability to resist chemical attack, and simplify maintenance requirements. New enhancements and design features include:

Fully Encapsulated Magnetic Drive – this patented technology hermetically seals the inner magnets, isolating them from process fluid, which maintains magnet integrity for the life of the unit.

Fully Supported Impeller – prevents radial deflection when operating at low flow (or off BEP) conditions. This support increases the allowable operating range and reliability of the pump over cantilevered or overhung impeller designs.

Replaceable Impeller – a single piece replaceable impeller is attached to the inner magnet drive via ANSIMAG’s patented tongue and groove system. The separation provides a cost effective approach to warehouse spare parts management and re-rating operations.

Non-Metallic (CFR-ETFE) lined Containment Shell: This innovative rear casing generates zero hysteresis losses during operation, thus eliminating heat generation and reducing energy costs. With a burst pressure of 6X MAWP of the pump, the Kevlar fiber reinforced vinyl ester shell delivers unprecedented reliability, and makes ANSIMAG pumps more energy-efficient than mechanically sealed pumps.

Axial Thrust Washers - increase the allowable operating range over thrust balanced methods. This design increases the pump’s reliability through a positive thrust surface that is unaffected by cavitation, solids or transient suction conditions.

Simple Sealless Design – Consisting of only 9 wetted parts, ANSIMAG pumps can be quickly and easily repaired in the field. Routine maintenance or repairs can be performed without the need for special tools or training.
“The ANSIMAG sealless magnetic drive plastic lined pumps provide affordable replacement options for aging ASME/ANSI B73.3 and ISO 2858 sized pumps, because the line covers a wide range of sizes and standard external dimensions to facilitate replacements without changing piping or baseplates,” said Sundyne’s Chemical and Industrial Business Unit Leader Colin Guppy. “The enhancements we’ve delivered to the pump line increase reliability and provide unsurpassed resistance to chemical attack in a way that makes ANSIMAG pumps a preferred choice for chemical processing applications.”

For more information on ANSIMAG Pumps, please visit: http://www.sundyne.com.

About Sundyne:
Headquartered in Arvada, Colorado, Sundyne is a leading manufacturer of highly reliable and efficient centrifugal pumps and compressors for use in oil and gas production, refining, chemical, petro-chemical, power generation and water processing industries. Sundyne is the world leader in delivering low-flow, high-head integrally geared centrifugal pumps and compressors; as well as safe and efficient sealless magnetic drive pumps. Sundyne pumps and compressors meet stringent API and ISO standards. To learn more about the Sundyne family of precision engineered pumps and compressors, please visit www.sundyne.com. Sundyne is owned and operated by Accudyne Industries.

About Accudyne Industries:
Accudyne Industries is a global provider of precision-engineered flow control and compressor systems responsible for powering the world’s most economically vital industries. These process-critical machines deliver unflagging performance in incredibly demanding environments, giving confidence to the mission of their customers. Today, Accudyne is powered by more than 2,800 employees at 13 manufacturing facilities. For more information, visit www.accudyneindustries.com.

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