MPT
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SUNDYNE

ANSIMAG Seal-less Magnetic Drive ETFE Lined Pumps

ANSIMAG seal-less magnetic drive pumps are specifically designed for chemical processing applications. All wetted parts are molded ETFE components that can safely handle a wide range of corrosives and solvents without corrosion. A patented, fully encapsulated mag drive hermetically seals the inner magnets to isolate them from process fluid and maintain magnet integrity for the life of the unit. A Kevlar-fiber reinforced vinyl ester shell delivers unprecedented reliability.

During the last several months, ANSIMAG pumps have been used in a wide range of prominent applications. They're used to pump the harsh chemical polymers that coat the electrodes for electric vehicle lithium-ion Batteries. ANSIMAG pumps are used by COVID-19 vaccine manufacturers to pump the coolants used in freeze driers. And ANSIMAG pumps are used by Hydrogen Fuel Cell producers to pump caustic chemicals into electrolyzers to adjust the pH of water used to generate green hydrogen.

ANSIMAG pumps are more energy-efficient than mechanically sealed pumps. An innovative rear casing generates no eddy currents, thus eliminating heat generation and reducing energy costs. Because ANSIMAG pumps do not have seals—there are no leaks, no emissions, and no costs related to seal maintenance.

ANSIMAG benefits include:

- **Zero leakage:** Seal-less design and a single, fully-contained O-ring eliminates possible leakage.
- **Chemically resistant lining:** Carbon fiber reinforced ETFE is resistant to most chemicals.
- **Secondary containment:** Lined Kevlar fiber/epoxy offers unsurpassed pressure handling capability.
- **Corrosion protection:** Powder coat exterior is more durable and resistant than epoxy-based paints.
- **Durable construction:** Ductile iron exterior is designed for heavy-duty chemical applications.
- **Magnetic drive:** Hermetically seals the inner magnets, isolating them from the process fluid.
- **Fully-encapsulated inner drive:** Provides unsurpassed resistance to chemical attack.
- **Easy service:** Nine wetted parts and a back pull-out design enables service without breaking the wet end.
- **Small footprint:** Close-coupled design offers quiet operation.

For more information, visit
www.sundyne.com/products/ansimag-pumps.