



Magnetic Drive Sliding Vane and Internal Gear Pump Technologies are ideal for leak-free loading, offloading, transfer, and circulating applications. The key is choosing a magnetic drive pump that best suits an application's functional needs.

SHARED CHARACTERISTICS

CONSISTENT PERFORMANCE
Reliable uptime in severe duty applications

ABILITY TO OPERATE AT HIGH TEMPERATURES
E SERIES INTERNAL GEAR: -30° to 500°F (-34° to 260°C)
MAGNES SLIDING VANE: -30° to 240°F (-34° to 115°C)

WIDE PERFORMANCE RANGE
Sustain fast pumping times even with continual system changes

FLEXIBILITY
For liquid type, ambient conditions, and process parameters – viscosity, thickness, density, vapor phase and sheer sensitivity

SELF-PRIMING ABILITY
Suction lift and dry prime up to 30 feet (9.1 m)

BI-DIRECTIONAL PUMPING
Pump both forwards and backwards by simply reversing motor rotation

MAGNETICALLY COUPLED
Seal-less, leakfree operation

VARIOUS DRIVERS
Electric motor, hydraulic motor, and truck PTO

COMPARISON

MAGNES SLIDING VANE MAGNETIC DRIVE PUMPS



CONTAINING NO DYNAMIC SEALS, MAGNES PROVIDES A LEAK-FREE PUMPING SOLUTION FOR DIFFICULT-TO-SEAL LIQUIDS. BUILT FOR CONTINUOUS DUTY OPERATION, THE PUMP HAS NO CUMULATIVE DRY RUN LIMIT, PROVIDING CONFIDENCE THAT DRY RUN EVENTS WILL NOT RESULT IN CATASTROPHIC PUMP FAILURE. AVAILABLE IN 3 & 4-IN SIZES, AND IN DUCTILE IRON/CAST IRON AND STAINLESS STEEL CONSTRUCTION.

E SERIES INTERNAL GEAR MAGNETIC DRIVE PUMPS



ENGINEERED WITH A PATENTED BETWEEN-THE-BEARING SUPPORT SYSTEM AND ONE FLUID CHAMBER DESIGN, THIS MAGNETIC DRIVE GEAR PUMP ELIMINATES LEAKS AND REDUCES MECHANICAL WEAR. AVAILABLE IN 9 DIFFERENT SIZES, AND WITH CONSTRUCTION OPTIONS OF DUCTILE IRON, CARBON STEEL OR STAINLESS STEEL.

<ul style="list-style-type: none"> PREFERRED TECHNOLOGY FOR THIN LIQUIDS CAPABLE VISCOSITY RANGE OF 0.2 TO 500 cP SUSPENDED SOLIDS HANDLING 	<p>FLUIDS</p>	<ul style="list-style-type: none"> MODERATELY ABRASIVE FLUIDS HIGH VISCOSITY FLUIDS OF 5 TO 50,000 cP DISSOLVED SOLIDS HANDLING
<ul style="list-style-type: none"> NPSH IMBALANCE / CAVITATION FLEXIBLE OPERATING RANGE DRY RUNNING CAPABILITIES 	<p>CAPABILITIES</p>	<ul style="list-style-type: none"> TIGHT INTERNAL CLEARANCES WIDE TEMPERATURE OPERATING RANGE FROM -30°F TO 500°F (-33°C TO 260°C) FLEXIBLE OPERATING RANGE
<ul style="list-style-type: none"> CONSISTENT PERFORMANCE HIGH EFFICIENCY - REQUIRING LESS POWER 	<p>FEATURES</p>	<ul style="list-style-type: none"> FEW MOVING PARTS (7 PRIMARY COMPONENTS) EASY MAINTENANCE (CLEAN IN PLACE AND SERVICE IN PLACE CAPABILITY)
<ul style="list-style-type: none"> STAINLESS STEEL DUCTILE IRON 	<p>CONSTRUCTION</p>	<ul style="list-style-type: none"> STAINLESS STEEL DUCTILE IRON CARBON STEEL
<ul style="list-style-type: none"> FUELS LIQUIFIED GASES PROCESS LIQUIDS 	<p>APPLICATIONS</p>	<ul style="list-style-type: none"> ASPHALTS AND OILS RESINS AND POLYMERS MOLTEN SULFUR

