

Blackmer



Where Innovation Flows

MAGNES Series Sliding Vane Magnetic Drive Pumps

Blackmer® MAGNES Series Sliding Vane Magnetic Drive Pumps are now available in all sizes and materials of construction – including 3" and 4" sizes in both iron and stainless steel.

Combining best-in-class magnetic drive capabilities with the innate advantages of sliding vane technology, MAGNES is a leak-free, self-priming pump that is designed to overcome common pumping challenges and pain points. It is truly a set-it-and-forget-it workhorse for applications that are difficult to seal or are too expensive, valuable, dangerous, or hazardous to leak.

MAGNES DETAILS AT A GLANCE:

Available in 3" & 4" sizes in both iron and stainless steel

- Flow rates from 75-520 gpm (280-1,970 L/min)
- Optimal for blending, batch process, circulating and transloading
- Ideal for loading & offloading of day tanks, tanker trucks, railcars, liquid terminals, and barges
- Leak-free technology that's robust to [dry run](#), [handle solids](#), [vapor](#), and [fluctuating system parameters](#)

INTEGRATED UNIT ASSEMBLES

- Pre-engineered assemblies are manufactured and shipped from our facility based in Grand Rapids, MI
- Units include: pump, baseplate, motor, gearbox, couplings and guards
- Can be shipped anywhere for immediate installation
- 2D/3D files are available

SPARE PARTS KITS

- Available for all sizes in both iron and stainless steel
- Maintenance: includes wear parts
- Rebuild: includes wear parts + rotor and shaft kits
- See our [Spare Parts Kits on Blackmer.com](#)

HYDRAULIC ADAPTORS

- For use on trucks and mobile applications
- Available for 3" models MI3 and MS3
- Includes adapter and coupling fit for standard SAE A 2-bolt motors
- Structurally attach a hydraulic motor to MAGNES, holding alignment between motor and pump





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RECENT KEY WINS

Launched in 2020, MAGNES has been taking the market by storm. More than 50 million gallons are pumped every month by MAGNES pumps installed at chemical, storage, and energy companies worldwide.

Examples of recent wins are:

- 16 pumps ordered by a global chemical distributor for a total pump application installation
- 3 pumps ordered by a storage terminal
- MAGNES standardized by a chemical blending and logistics leader as the sealless pump for their facilities
- 13 units for solvent feed within a rocket engine robotic cleaning systems
- 11 units for an international liquid terminal expansion
- 6 units for loading and unloading intermediates (soaps & surfactants) used in personal healthcare products
- MAGNES selected as 2020 Plant Engineering Product of the Year, Silver Award

CUSTOMER TESTIMONIALS

- "We chose to standardize on the Blackmer MAGNES Sealless Sliding Vane Pump due to its versatility and ability to address our needs on the majority of our demanding applications. We have several pumps that we still have put into service, but those we have meet or exceed our expectations. We plan to continue converting our existing and future fluid transfer needs with Blackmer MAGNES Sealless Sliding Vane Pumps."
- "We originally specified centrifugal pumps for this project but decided on the Blackmer MAGNES Sealless Sliding Vane Pump due to its advantages to meet all of our functional needs, like priming from a distance of 300 feet."
- "This is the perfect solution for underground tanks with dangerous liquids; it is 100% self-priming with zero leakage."



LEARN MORE ABOUT MAGNES:

- [Website](#)
- [White Paper](#)
- [Brochure \(English, German, Spanish\)](#)
- [Poster](#)
- [Pain Point Flyers](#)
 - [Indefinite Dry Run](#)
 - [Solids Handling](#)
 - [Cavitation & Vapor Mixtures Handling, Low to Zero NPSHr](#)
 - [Full Curve & System Performance](#)

For more information on these additional solutions, visit us at blackmer.com.

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