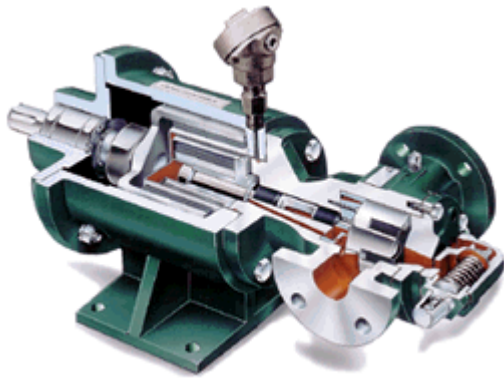


# The Viking Mag Drive®



The **Viking Mag Drive®** replaces traditional shaft coupling configurations with a magnetically-coupled configuration. Specifically, magnets are mounted on a stainless steel canister connected to the drive shaft. Magnetic force passes through this outer canister and drives the inner coupling. The Mag Drive eliminates the traditional "through-the-body" shaft coupling arrangements.

## Advantages:

- **Eliminate Shaft Leakage.** When you want NO shaft leakage, use the Viking Mag Drive which eliminates mechanical seals and seal servicing.
- **Eliminate Mechanical Seal Hassles.** Depending on the liquid and the location of the pump, the Mag Drive may be the best value option if mechanical seal servicing is difficult, time-consuming, or expensive.
- **Reduce Expenditures.** The Mag Drive eliminates mechanical seal repair and replacement costs, EPA-regulated monitoring costs, and the "accepted" losses in expensive liquid applications.
- **Increase Productivity.** By eliminating downtime due to mechanical seal maintenance, the Mag Drive increases operating time for greater productivity.
- **Easy System Integration.** Mag Drive coupling units are available for internal gear, external gear, and VI-CORR pumps. Plus, Mag Drives are available in steel, stainless steel, and cast iron materials of construction.

## Specifications:

All specifications at 6.9 BAR/100 PSI discharge pressure.

The Viking Mag Drive® - Series 895 and 825 Pumps						
Viscosity: 100 SSU						
	Metric			U.S.		
Size	M <sup>3</sup> /Hr	RPM	KW	GPM	RPM	BHP
GG	1.9	1450	.8	10	1750	1.4
HJ	3.8	1450	1.5	20	1750	2.5
HL	5.7	1450	2.1	30	1750	3.4
AS	6.4	920	2.1	35	1150	3.4
AK	9.5	920	2.9	52	1150	4.8

AL	12.8	920	4.1	70	1150	6.4
K	17.1	780	5.4	75	780	7.2
KK	22.8	780	6.6	100	780	8.8
LQ	31.9	640	10.4	140	640	14
LS	45.6	640	14.2	200	640	19
Q	68.4	520	18.7	300	520	25
QS	100.3	520	29.8	440	520	40
Viscosity: 25,000 SSU						
	Metric			U.S.		
<b>Size</b>	<b>M<sup>3</sup>/Hr</b>	<b>RPM</b>	<b>KW</b>	<b>GPM</b>	<b>RPM</b>	<b>BHP</b>
GG	1.3	920	1.2	7	1150	2.0
HJ	2.4	920	2.4	11	950	3.25
HL	3.7	920	3.3	17	950	4.5
AS	6.6	920	4.7	30	950	6.4
AK	10.2	920	7.4	46	950	10
AL	13.2	920	9.2	60	950	12.5
K	8.0	350	4.8	35	350	6.4
KK	9.1	350	5.2	40	350	7.0
LQ	18.2	350	9.7	80	350	13
LS	27.4	350	13.4	120	350	18
Q	39.9	280	17.9	175	280	24
QS	59.3	280	26.1	260	280	35

- **Temperature Range:** -50°C to +260°C / -60°F to +500°F
- **Viscosity Range:** 0.8 cSt to 55,000 cSt / 28 SSU to 250,000 SSU
- **Differential Pressures, *Internal Gear*:** To 14 BAR / 200 PSI
- **Differential Pressures, *External Gear*:** To 34 BAR / 500 PSI

### Applications:

- For hazardous and expensive liquid applications
  - For applications with liquids that crystallize at seal faces
  - Transfer applications, such as top unloading of trucks or rail cars
  - Whenever mechanical seal maintenance is problematic
  - For pumps in hard-to-reach locations
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