



MAGNETIC COUPLERS

The IDEAL Pump Coupling System for Today's Foam Manufacturers



MHR's line of Magnetic Drive Couplers will couple virtually any chemical metering pump used in high or low pressure RIM. The conversion is quick and simple. MHR looks at the motor/torque requirement of the application, and then calculates the magnets required to run the application without slippage. MHR's rigid alignment system integrates pump and motor together as one single unit. This system provides for the chemicals to be completely self-contained within a stainless steel housing, with shaft seals being eliminated altogether. **No more chemical leakage!**

- Eliminates leaks common to any polyurethane systems!
- No more shaft seals to worry about – shaft seal is not required!
- Down time from changing seals, virtually eliminated!
- Variety of magnet sizes offer strong and dependable coupling system.
- Rigid alignment provides no more needs to shim for alignment.
- Re-circulation ports for cooling purposes are a standard feature on every unit.



For additional information on these products or any other product contact:

MIX HEAD REPAIR & SALES

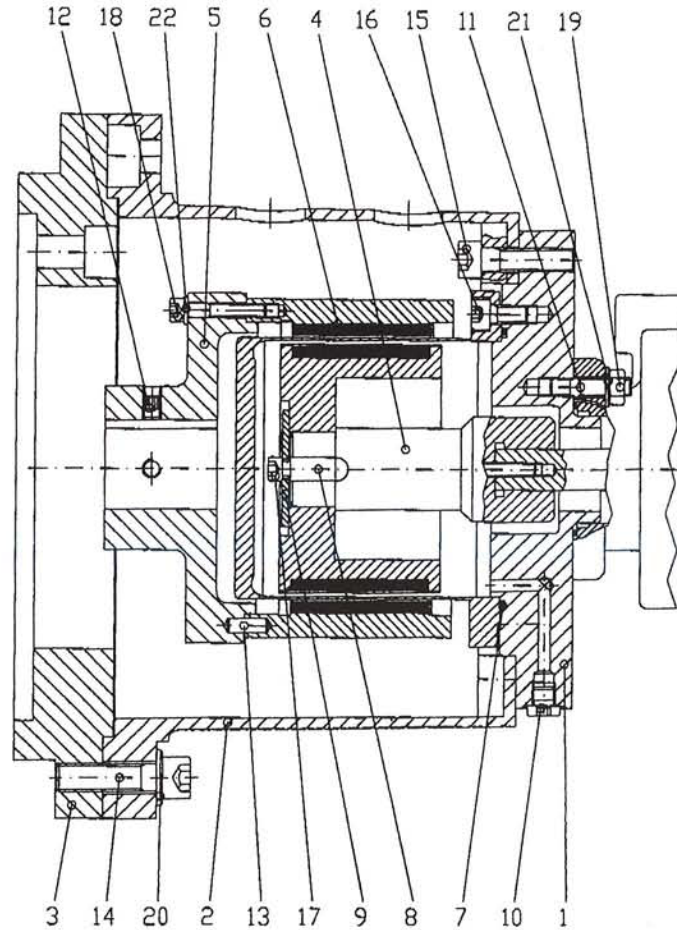
78 Veterans Drive
Holland, MI 49423 USA
616.394.0191 Phone
616.394.9711 Fax
E-mail: info@mhr-inc.com
Web: www.mhr-inc.com



MAGNETIC COUPLERS

Featured Highlights

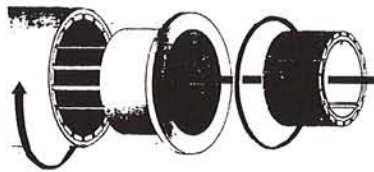
Item No.	Description
1	MAG - Flange
2	Bellhousing
3	Intermediate Flange
4	Intermediate Shaft
5	Motor Hub
6	Magnetic Coupling
7	O-ring
8	Fitting Key
9	Washer
10	Plug
11	Stud
12	Set Screws
13	Cylindrical Pin
14	Allen Screw
15	Allen Screw
16	Allen Screw
17	Allen Screw
18	Allen Screw
19	Hexagonal Nut
20	Washer



Newton Meter Calculation Formula (From H.P. to KW to Nm)

$$\text{H.P.} \times .746 \text{ KW} = \text{KW}$$

$$\text{Torque} = \frac{\text{KW} \times 9750}{\text{Motor's RPM}} = \text{NM Torque}$$



Guide to Magnet (Nm) Selection

MHR	Rexroth	Torque (Nm)	MOTOR BASE SPEED			
			Max. Motor H.P. @ 900 rpm's	Max. Motor H.P. @ 1200 rpm's	Max. Motor H.P. @ 1750 rpm's	Max. motor Torque (Nm)
MH04	A2FK5	10	0.9	1.2	1.8	7.4
		20	1.8	2.4	3.6	14.8
		30	2.7	3.7	5.3	22.2
standard	standard	40	3.7	4.9	7.1	29.6
MH07	A2VK12	22	2.0	2.7	3.9	16.3
		50	4.6	6.1	8.9	37.0
standard	standard	80	7.3	9.8	14.3	59.3
MH20	A2VK28	85	7.8	10.4	15.1	63.0
		135	12.4	16.5	24.1	100.0
standard	standard	180	16.5	22.0	32.1	133.3
MH38	A2VK55	140	12.8	17.1	25.0	103.7
		200	18.3	24.4	35.6	148.1
MH56	standard	275	25.2	33.6	49.0	203.7
MH76	A2VK107	365	33.5	44.6	65.1	270.4

Required Information

- Motor Horse Power
- Motor RPM
- Motor Frame Size
- Motor Brand Name
- Motor Model Number



For additional information on these products or any other product contact:

MIX HEAD REPAIR & SALES

78 Veterans Drive
Holland, MI 49423 USA
616.394.0191 Phone
616.394.9711 Fax
E-mail: info@mhr-inc.com
Web: www.mhr-inc.com