Magnetic Drive Pump

M-3/4

Features:

- Sealless
- No Metal Contact
- Bearing-free
- Chemical Resistant
- Leakproof
- Available in 316 SS, Kynar and Polypropylene
- Flows to 200 GPM
- Pressure to 150Ft. TDH

Recommended Applications:

- Transferring
- Filtering
- Recirculation
- Mixing
- Replenishment

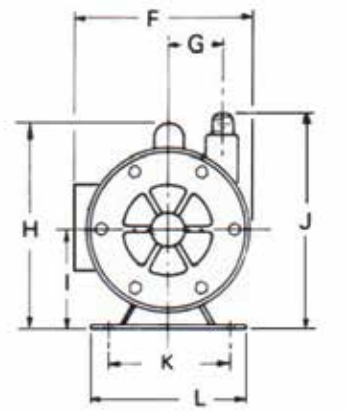
Introduction

Penguin magnetic driven pumps are corrosion resistant to a wide range of chemical solutions including acids, alkalies and caustics up to 180ºF. There is no shaft seal. The only moving parts inside the pump volute is the impeller magnet/bushing assembly, which rotates on the pure ceramic spindle. Powerful impeller and drive magnets provide full torque, prevent slippage and give instant start-up.

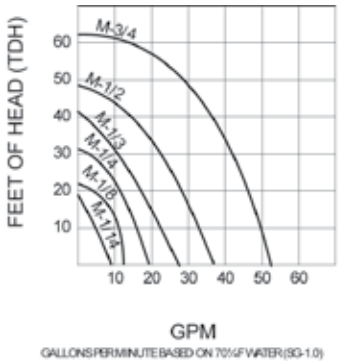
Most motors are totally enclosed fan cooled. Single phase motors are wired for 115V, up to 1 hp, and supplied with cord and grounding plug, 230V, single phase are wired without grounding plug. Model M-3/4SP can be supplied as a self priming unit using a 1HP motor. Penguin priming chambers can be supplied to other M series pumps to help facilitate priming and reduce the danger of running dry. The priming chamber is piped directly to the suction of the pump with a flow valve on the pump discharge. The optional priming chamber comes mounted on a polypropylene base. Casters are optional.

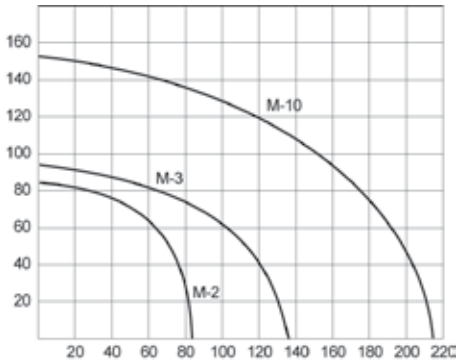
Series M

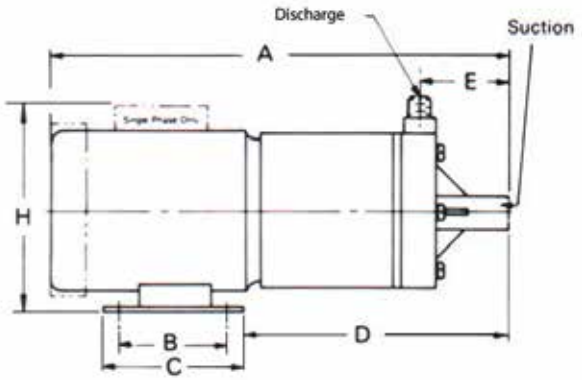
Polypropylene
Magnetic Drive Pump



Performance







Dimensions

Model	A	B	C	D	E	F	G	H	I	J	K	L
M-1/14	9"	2-3/8"	3"	3-1/2"	1-1/4"	4"	1"	4-1/8"	2-3/16"	5"	2-3/4"	3-3/4"
M-1/8	10-1/8"	2-3/8"	3-1/8"	5-3/4"	1-1/2"	5-3/8"	1-1/4"	4-1/2"	2-13/64"	5-5/8"	2-3/4"	3-1/2"
M-1/4	13"	2-3/4"	3-1/4"	6-1/2"	1-9/16"	8"	1-1/4"	5-1/4"	2-3/4"	6"	3-1/2"	5"
M-1/3	14-7/16"	3"	3-3/4"	8"	2-9/32"	7-5/8"	1-13/16"	7-3/4"	3-1/2"	7"	4-7/8"	6-1/2"
M-1/2	15-1/2"	3"	4"	8"	2-1/8"	9"	1-7/8"	9"	3-1/2"	7"	4-7/8"	6-1/2"
M-3/4	17"	3"	4"	9-3/4"	2-3/4"	9"	1-3/4"	8-1/8"	3-1/2"	7-3/8"	4-7/8"	6-1/2"
M-3/4SP	24-1/8"	4-1/2"	6-1/2"	16-5/8"	2-1/2"	11-3/8"	0"	9"	4-1/2"	12-1/2"	7-1/2"	8-1/2"
M-2	19-5/8"	4-1/2"	6-1/2"	11-5/8"	3-1/16"	9"	2-5/8"	9"	4-1/2"	10"	7-1/2"	8-1/2"
M-3	25-1/4"	4-1/2"	5-1/2"	14-1/2"	3-7/8"	12-3/4"	3-1/8"	10-7/8"	4-1/2"	9-3/4"	7-1/2"	9"
M-10	28-3/4"	8-1/4"	10"	17-1/4"	13-5/8"	4-1/4"	17"	13-5/8"	6-1/4"	13-5/8"	8-1/2"	11-1/4"

Specifications

Model	Max Flo (gpm)	Max Head (ft)	Suction	Discharge	Motor						Dimensions			Wt
					HP	RPM	Volts	Hertz	Phase	Amps	Ht	Wth	Lth	
M-1/14	10	21	3/4"FPT	1/2"MPT	1/15	3000/2500	115	50/60	1	2.1/1.7	7	6	11	8
M-1/8	14	22	1"FPT		1/10	3450				1.65	11		6	10
M-1/4	17	31			1/5		115/230			3.4/1.7	14 1/4	11	16	25
M-1/3	27	41		3/4"MPT	1/3	3450/2850				4.8/2.4	12	10	20	28
							230/460		3	1.1/0.55				
M-1/2	35	48			1/2		115/230		1	6.8/3.4				35
							230/460		3	1.3/0.65				
M-3/4	53	63	1 1/2"FPT	1"MPT	3/4		115/230		1	10/5				39
							230/460		3	2.4/1.2				
M-2	82	85	2"MPT	1-1/2"MPT	2	3450				5.2/2.6	10	8 1/2	20 1/8	70
M-3	135	95	2"MPT	1 1/2"MPT	3			60		7.8/3.9	13	14	26	160
M-10	200	150	3"MPT	2"MPT	10			60		2.7/13.5	15	17	32	220

Nomenclature

M	-	1/4	-	B	-	SP	1	1
Magnetic Driven Pump		Horsepower 1/14=1/14 1/8=1/8 1/4=1/4 1/3=1/3 1/2=1/2 3/4=3/4 2=2 3=3 10=10 SP=1		Construction Material B=Polypropylene C=Kynar/Ryton S=316SS H=Hastelloy		Blank=none SP=Self Priming	Optional Increase Horsepower Blank=Standard 1=1hp 1.5=1.5hp 5CD=5hp	Volts, Phase, Cycle 1=115V,1PH,50/60HZ 2=230V,1PH,50/60HZ 3=230V/460V,3PH,50/60HZ 4=115V230V,1PH,50/60HZ

A Division of Penguin Pumps Inc.
7932 Ajay Drive Sun Valley, CA 91352 U.S.A.
Office: 818-504-2391 • Fax: 818-768-7590
e-mail: info@filterpump.com • website: www.filterpump.com

PENGUIN
FILTER PUMP INDUSTRIES