

Series M

Magnetic Drive Pump

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



Model
M-1/3B

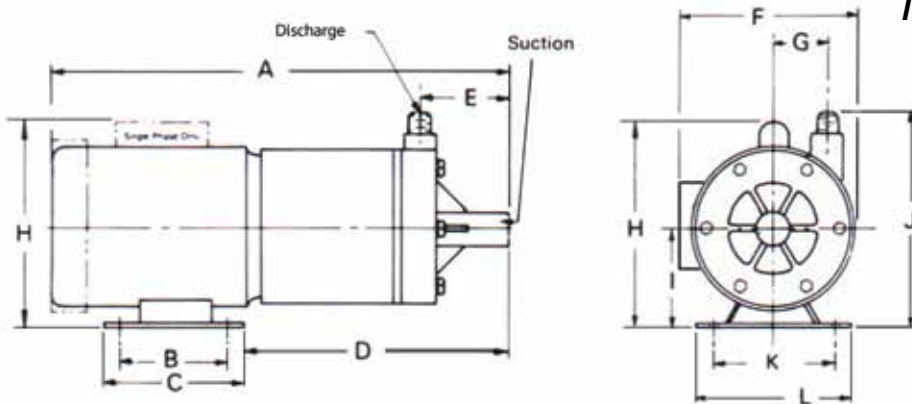
Penguin magnetic driven pumps are corrosion resistant to a wide range of chemical solutions including acids, alkalies and caustics up to 180°F. There is no shaft seal, so there is no seal wear, leakage or squeal. There is no seal friction to cause loss of pumping power. The only moving parts inside the pump volute are the impeller magnet assembly and the bushing, which rotates on the pure ceramic spindle. Powerful impeller and drive magnets provide full torque, prevent slippage and give instant start-up.

Penguin magnetic drive pumps are constructed of polypropylene and/or ryton (motor bracket, impeller magnet assembly, encapsulated impeller assembly and pump housing), carbon or chemloy or ryton/teflon (bushing), ceramic (spindle and thrust washers) and viton (O-ring). All motors are totally enclosed fan cooled. As an option, single phase motors are wired for 115V and supplied with cord and grounding plug.

Model M-3/4 can be supplied as a self priming unit using a 1HP motor. Also as an option, Penguin priming chambers can be supplied to other M series pumps to facilitate priming the pump and reduce the danger of running the pump dry. Mounted on a common polypropylene base, the priming chamber is piped directly to the suction of the pump with a flow valve on the pump discharge. Casters can be added for portability. 316 SS and Kynar construction are available on many Penguin models.

Series M

Polypropylene Magnetic Drive Pump



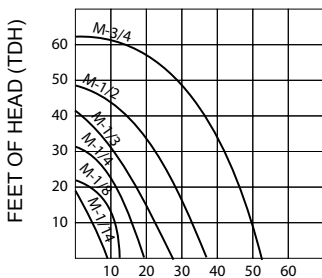
Dimensions

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"

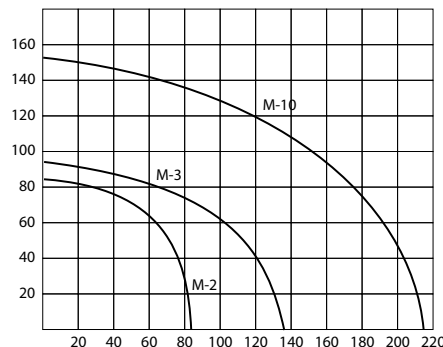
Specifications

Model	Max Flo (gpm)	Max Head (ft)	Suction	Discharge	HP	RPM	Motor			Dimensions				Wt
							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"		1/10	3450	115/230			1.65	11	6	10	
M-1/4	17	31			1/5	3450/2850				50/60	1	3.4/1.7	14 1/4	11
M-1/3	27	41	3/4"MPT	1/3	230/460		3	4.8/2.4	12			10	20	28
M-1/2	35	48		1/2	115/230		1	6.8/3.4						
M-3/4	53	63	1 1/2"FPT	1"MPT	3/4	230/460	3	1.3/0.65	10	8 1/2	20 1/8	70		
M-2	82	85	1 1/2"MPT	2"MPT	2	115/230	1	10/5					2.4/1.2	
M-3	135	95	2"MPT	1 1/2"MPT	3	230/460	3	5.2/2.6					7.8/3.9	13
M-10	200	150	3"MPT	2"MPT	10		60	2.7/1.35	15	17	32	220		

Performance



GALLONS PER MINUTE BASED ON 70°F WATER (SG=1.0)



Nomenclature

M	1/4	B	Self Primer
Magnetic Driven Pump	Horsepower	Construction Material	SP=Self Priming Pump/1hp motor
	1/14=1/15	B=Polypropylene	
	1/8=1/10	C=PVDF/Kynar	
	1/4=1/5	S=316SS	
	1/3=1/3	H=Hastelloy	
	1/2=1/2		
	3/4=3/4		
	2=2		
	3=3		
	5=5		

A Division of Penguin Pumps Inc.
7932 Ajay Drive Sun Valley, CA 91352 U.S.A.
877-773-8484 • Office: 818-504-2391 • Fax: 818-768-7590
e-mail: info@filterpump.com • website: www.filterpump.com

PENGUIN
FILTER PUMP INDUSTRIES™