MAG DRIVE PUMPS

BRASS HOUSING SERIES 2
STAINLESS STEEL HOUSING SERIES 3

Mag 2



Mag 3



Features and Benefits

- Consistent flow rate across variable pressures
- Magnetically coupled drive for leak free design
- Flow range from 15 to 140 GPH (45 to 420 LPH)*
- Horsepower required 0.08 to 0.51 hp (60 to 380 watts)
- Self priming (water) and maintenance free with low vibration and pulsation characteristics
- Stainless steel housing works with acidity > 2 pH and brass housing works with acidity > 6 pH[1]
- Clockwise and counter clockwise rotation available
- High temperature relief valve configuration (also available without relief valve)

*GPH rating at 1600 RPM/60 Hz and LPH rating at 1300 RPM/50 Hz

General Applications[2]

Carbonation
Espresso/Coffee
Welding
Cold Carb Circulation
Reverse Osmosis
Beer Chillers
Pesticide Systems
Solar Applications
Cooling Systems

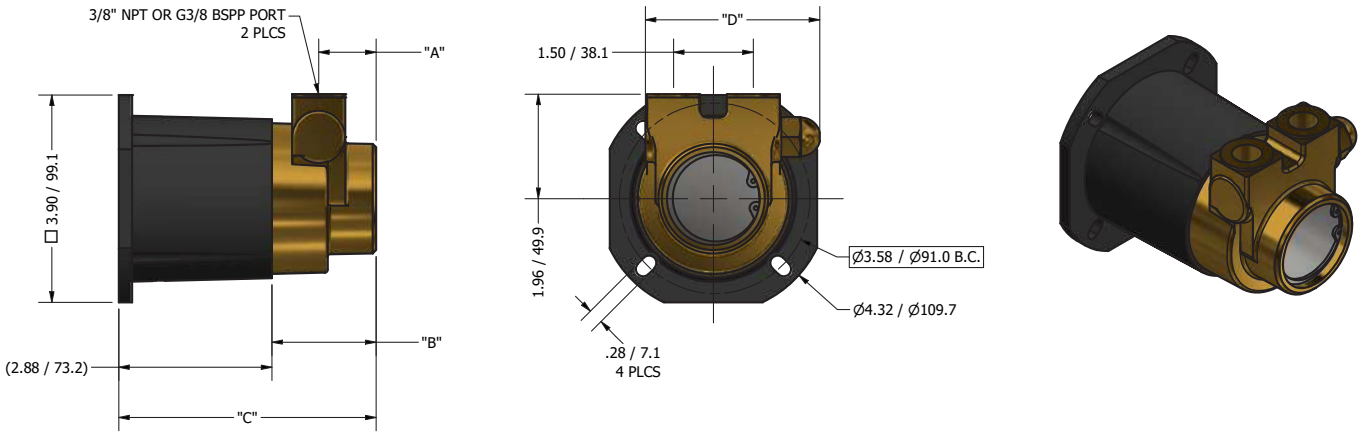
Technical Information[3]			
Pump housing	304 Stainless Steel	Vane Material	Carbon or PEEK
Sealless (optional)	PPS encapsulated neodymium or ceramic magnet paired with neo-dymium or ceramic outer magnet	Ports	G 3/8" or NPT 3/8"
Elastomers	Nitrile, Ethlyene Propylene (EPDM), Fluorocarbon, or Neoprene	Unit Weight	10.1 lbs. (4.6 kg)
Valves	Stainless steel or Plastic (high temp ultem)		

Operating Range			
Max Static Pressure	100 PSI (7 bar)	Max Discharge Pressure	250 PSI (17 BAR)
Fluid Temperature	-4° to 194°F (-20° to 90°C)	Speed	1725 RPM (60 Hz); 1450 RPM (50Hz)
Max. Fluid Viscocity	100 cP [2]	Wet Lift with Water	6 ft (2 M)
Max. Sound Level	55 dBA		

Mag Drive Series 2 & 3 Nominal Volume*										
Flow rate (GPH/LPH)	Gallons Per Hour/Liters Per Hour					Brake Horsepower/Watts (motor shaft power)				
	Pressure (PSI/Bar)					Pressure (PSI/Bar)				
	50/3.4	100/6.9	150/10.3	200/13.8	250/17.5	50/3.4	100/6.9	150/10.3	200/13.8	250/17.5
140/425	143/447	141/441	139/434	137/428	135/422	0.17/127	0.28/209	0.40/298	0.52/387	0.63/469
125/375	128/400	126/394	124/388	122/381	120/375	0.16/119	0.26/194	0.36/268	0.47/350	0.57/425
110/330	111/347	109/341	107/334	105/328	103/322	0.15/112	0.25/186	0.34/253	0.44/328	0.54/402
100/300	102/319	100/313	98/306	96/300	94/294	0.13/97	0.20/149	0.28/209	0.35/261	0.42/313
80/240	82/257	80/256	78/244	76/238	74/231	0.12/89	0.18/134	0.25/186	0.32/238	0.39/291
70/210	72/225	70/219	68/213	66/206	64/200	0.11/82	0.17/127	0.24/179	0.30/224	0.37/276
60/180	62/194	60/188	58/181	56/175	54/169	0.10/75	0.16/119	0.23/171	0.29/216	0.35/261
50/150	52/163	50/157	48/150	46/144	44/138	0.09/67	0.15/112	0.21/157	0.27/201	0.33/246
35/100	37/116	35/110	33/103	31/97	29/91	0.08/51	0.14/104	0.19/142	0.24/179	0.29/216
25/75	27/85	25/78	23/72	21/66	19/59	0.07/52	0.12/89	0.17/127	0.22/164	0.27/201
15/45	17/53	15/47	13/41	11/34	--	0.06/45	0.10/75	0.15/112	0.19/142	--

1 Consult with manufacturer for extreme operating conditions
2 Consult with manufacturer for information on other applications
3 Motor options not shown here, consult with manufacturer for motor requirements
* GPH rating at 1725 RPM/60Hz and LPH rating at 1450 RPM/50Hz

MAG DRIVE PUMP DIMENSIONS



PUMP	MAT'L	DIM "A"	DIM "B"	DIM "C"	DIM "D"
MAG 2	BRASS	1.08 / 27.4	1.96 / 49.8	4.84 / 122.9	3.28 / 83.3
MAG 3	ST STL	1.03 / 26.2	1.86 / 47.2	4.74 / 120.4	3.34 / 84.8

NOTE:
- All dimensions are in inches/millimeters
- Bronze and plastic coupling available for clamp-on

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