

Features and Benefits

- Consistent flow rate across variable pressures
- Magnetically coupled drive for leak free design
- Flow range from 115 to 330 GPH (350 to 1000 LPH)*
- Horsepower required 0.35 to 2.35 hp (260 to 1740 watts)
- Self priming (water) and maintenance free with low vibration and pulsation characteristics
- Stainless steel housing works with acidity > 2 pH[1]
- Clockwise and counter clockwise rotation available
- High temperature relief valve configuration (also available without relief valve)

General Applications[2]

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

* GPH rating at 1725 RPM/60Hz and LPH rating at 1450 RPM/50Hz

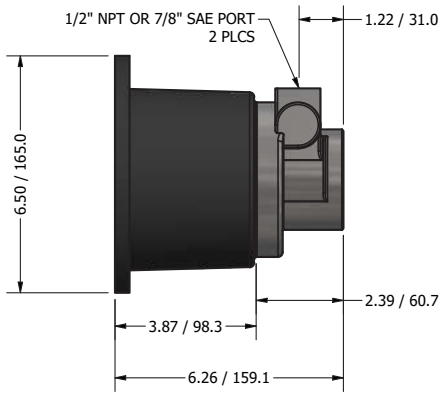
Technical Information[3]			
Pump housing	304 Stainless Steel	Vane Material	Carbon or PEEK
Sealless (optional)	PPS encapsulated neodymium or ceramic magnet paired with neo-dymium or ceramic outer magnet	Ports	7/8" SAE O-Ring
Elastomers	Nitrile, Ethlyene Propylene (EPDM), Fluorocarbon, or Neoprene	Unit Weight	Approx. 9.59 lbs. (4.35 kg) Approx. 9.59 lbs. (4.35 kg)
Valves	Stainless steel or Plastic (high temp ultem)		

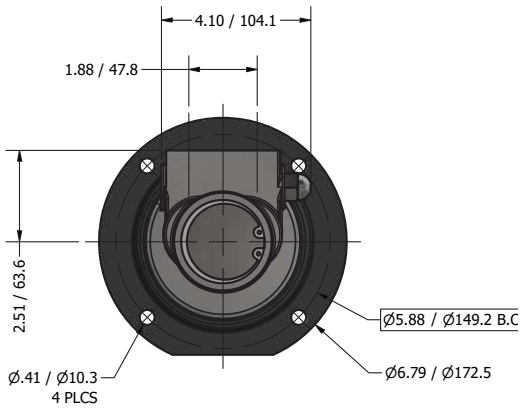
Operating Range			
Max Static Pressure	100 PSI (7 bar)	Max Discharge Pressure	250 PSI (17 BAR)
Fluid Temperature	-4° to 194°F (-20° to 90°C)	Max Speed	2200 RPM
Max. Fluid Viscocity	100 cP [1]	Wet Lift with Water	6 ft (2 M)

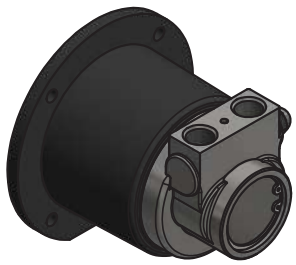
5 Nominal Volume*										
Flow rate (GPH/LPH)	Gallons Per Hour/Liters Per Hour					Brake Horsepower/Watts (motor shaft power)				
	Pressure (PSI/Bar)					Pressure (PSI/Bar)				
	50/3.4	100/6.9	150/10.3	200/13.8	250/17.5	50/3.4	100/6.9	150/10.3	200/13.8	250/17.5
330/1,000	331/1,034	330/1,031	328/1,025	327/1,022	326/1,019	0.33/246	0.55/410	0.78/581	1.00/745	1.22/909
265/800	265/828	263/822	261/816	259/809	257/803	0.24/179	0.43/320	0.63/469	0.82/611	1.01/753
240/725	243/759	240/750	236/738	232/725	228/713	0.21/157	0.37/276	0.54/402	0.70/522	0.86/641
215/650	218/681	215/672	211/659	207/647	203/634	0.20/149	0.35/261	0.50/3723	0.65/484	0.80/596
190/575	193/603	190/594	189/591	182/569	178/556	0.18/134	0.33/246	0.47/351	0.61/455	0.75/559
165/500	168/525	165/516	161/503	157/491	153/478	0.17/127	0.30/224	0.43/320	0.57/425	0.70/522
140/425	143/447	140/438	136/425	132/413	128/400	0.16/119	0.28/209	0.40/298	0.52/387	0.64/477
115/350	116/363	115/359	111/347	107/334	103/322	0.15/112	0.25/186	0.35/261	0.45/335	0.55/410

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 DIMENSIONS







NOTE:
- Dimensions are in inches/millimeters

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