

Features and Benefits

- Consistent flow rate across variable pressures
- Magnetically coupled drive for leak free design
- Patentend twin cavity and cam ring technology
- Eight vanes for low vibration and pulsation
- Flow range from 15 to 70 GPH (45 to 210 LPH)*
- Horsepower required 0.06 to 0.17 hp (45 to 125 watts)
- Self priming (water) and maintenance free with low vibration and pulsation characteristics
- Stainless steel housing works with acidity > 2 pH[1]

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

General Applications

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

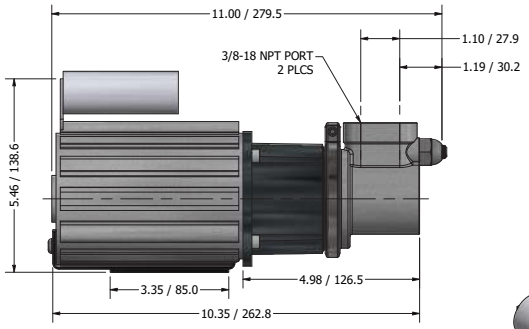
Technical Information			
Pump housing and motor shaft	304 Stainless Steel	Motor Type	PSC (Open)
Sealless (optional)	PPS encapsulated ceramic magnet paired with neodymium or ceramic outer magnet	Frequency/Voltage	60/50 Hz, 115/230 V
Elastomers	Nitrile, Ethlyene Propylene (EPDM), Fluorocarbon, or Neoprene	Max Output Power	125 W
Valves	Stainless steel, Brass, or Plastic (high temp ultem, low temp acetal)	Max. Input Current	4 A
Vane Material	Carbon or PEEK	Protection	Thermally Protected
Ports	NPT 3/8"	Insulation Class	F
Unit Weight	10.1 lbs. (4.6 kg)		

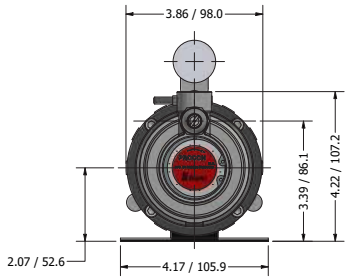
Operating Range			
Max Static Pressure	100 PSI (7 bar)	Max Discharge Pressure	130 PSI (9 bar)
Fluid Temperature	-4° to 194°F (-20° to 90°C)	Speed	1300/1600 RPM
Max. Fluid Viscocity[2]	100 cP	Wet Lift with Water	6 ft (2 M)
Max. Sound Level	55 dBA		

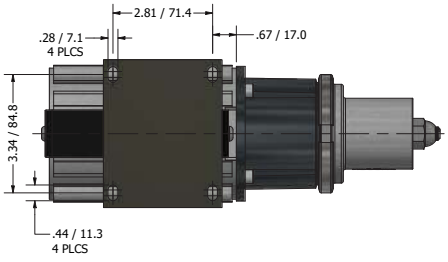
Ax-Mag Drive Nominal Volume*										
Flow rate (GPH/LPH)	Gallons Per Hour/Liters Per Hour					Brake Horsepower/Watts (motor shaft power)				
	Pressure (PSI/Bar)					Pressure (PSI/Bar)				
	50/3.4	100/6.9	150/10.3	200/13.8	250/17.5	50/3.4	100/6.9	150/10.3	200/13.8	250/17.5
70/210	77/243	68/214	62/195	-	-	0.08/60	0.11/83	0.15/112	-	-
60/180	69/217	63/198	58/183	-	-	0.08/58	0.11/81	0.14/108	-	-
50/150	62/195	57/180	53/167	48/151	-	0.08/56	0.10/76	0.13/98	0.17/129	-
35/100	48/151	44/139	41/129	37/117	-	0.08/57	0.10/75	0.13/96	0.17/125	-
25/75	30/95	26/82	24/21	23/72	21/66	0.07/52	0.09/64	0.11/82	0.14/104	0.17/125
20/60	27/85	23/72	21/66	20/63	19/60	0.07/51	0.08/62	0.11/79	0.13/100	0.16/121
15/45	16/50	13/41	12/38	11/35	11/35	0.07/50	0.08/61	0.10/76	0.12/91	0.14/104

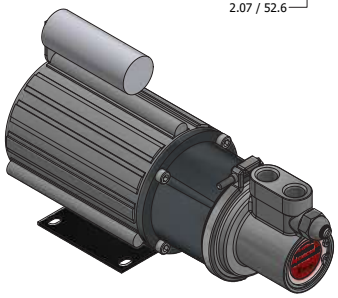
NOTES:
[1] Consult with manufacturer for extreme operating conditions
[2] Flow may vary with viscosity
[3] Performance based on pump tested with water at room temperature & at full speed

DIMENSION AND CONNECTION DETAILS









NOTE: Dimensions are in inches/millimeters

AMER
4600 NW Camas Meadows,
Suite 200
Camas, WA 98607
+1 360-253-2008
MVPSales@cemegroup.com

EMEA
Irishtown, Mountmellick, CO.
Laois, Republic of Ireland
00353.57.86.24350
EUSales@cemegroup.com

APAC
Room 2730, 27F, The Crest 500
West YanAn Road, Changning,
Shanghai P.R.C
+86 18621892131
sara.chen@cemegroup.com