

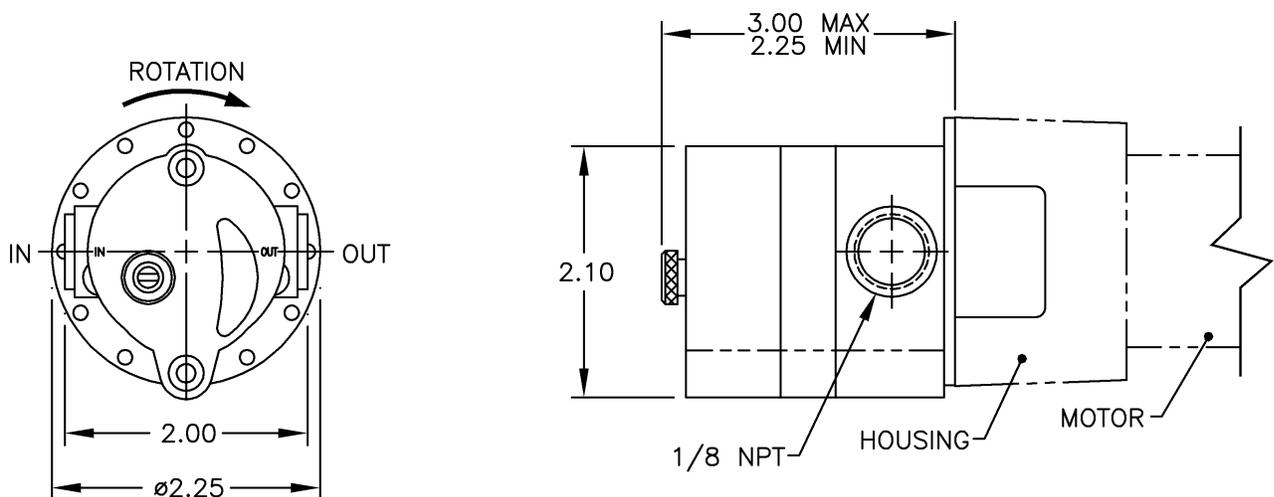
Pump Details

- Magnetic Coupled External Gear Pump
- Non-Pulsing Flow
- Positive Displacement
- Accurate
- Leak Free
- Chemical Resistant
- Long Life



Applications

Tuthill Pump Group specializes in OEM applications. All pumps have a wide range of options. Consult factory for other options and performance requirements - Laboratory, Water Purification, Lubrication, Fluid Transfer, Recirculation, Cooling, Chemical Metering, Sampling, Temperature Control, Additive Delivery, Proportioning, Chemical Handling, Automotive, Oil Filtration, Acids, General Use.



General Specifications

Flow Rates	< 1 to 63 GPH (< 4 to 238 LPH)	Metal Wetted Parts	316 Stainless Steel, Titanium, or Hastelloy C276
Temperatures	0 to 150°F (18 to 65°C)	Ports	1/8 - 27 NPT
Differential Pressures	130 PSI (9 bar)	Speed	5,000 RPM Maximum
System Pressures	300 PSI (20 bar)	Service Life	Up to 10,000 hours +
Viscosity	0.3 to 1000 cps +	Suction Vacuum	28.5 " Hg (724 mm Hg)
Magnet Torque	15 to 50 in-oz	Self Priming	Yes, Wetted
Magnet Materials	Ceramic or Samarium Cobalt	Bypass	Optional
		Size	1.6" Diameter Pumphead

Flow @ 3500 RPM

Model ml/rev	GPH @ 0 PSI	LPH @ 0 bar	GPH @ PSI Differential Pressure	LPH @ bar Differential Pressure	Continuous Duty Limit	
					PSI	bar
.38	20	76	5 @ 250	19 @ 17.2	250	17.2
.57	30	114	9 @ 250	34 @ 17.2	250	17.2
.68	36	136	17 @ 250	64 @ 13.8	200	13.8
1.2	63	239	45 @ 140	170 @ 9.7	140	9.7

Performance Estimate Based on 68°F (20°C) Clean Deionized Water @ 1.0 centipoise fluid viscosity

Materials of Construction

Pump Body	Injection Molded PPS
Metal Wetted Parts	316 Stainless Steel, Hastelloy C276, or Titanium
Gears & Bearings	PPS (Polyphenylene Sulfide)
O-Rings	Viton
Ports	1/8 NPT
Magnet Shrouds	Ceramic Magnets (strontium ferrite) Standard
Magnet Torque	15 in/oz, 30 in/oz, or 50 in/oz
Bypass	Full flow externally adjustable bypass option available
Suction Vacuum	Pumps self prime when wetted with operating fluid to 28.5 Hg" (724mm Hg). Dry lift not recommended. Fluid viscosity, temperature, and pressure may affect the performance.
Motors	AC, DC, Air, Variable Speed or Motor Mate Adapter Kits

