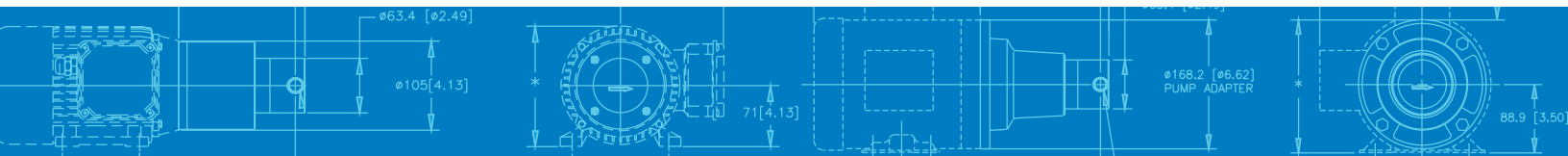


Series GM

MAGNETIC DRIVE GEAR PUMP

Series GM pumps deliver exceptional pumping performance for any high-precision application. These magnetically driven gear pumps feature a cavity style design with benefits such as chemical resistance, smooth, pulseless delivery, and high-system pressure capability. Available in standard and OEM configurations, Micropump's Series GM pumps keep your operations flowing smoothly.



CAVITY STYLE PUMPS

Cavity style pumps are excellent for wide-ranging inlet and outlet operating conditions, and allow for intermittently pumping in reverse.

SMALL SIZE

The miniature package size of the Series GM is easily incorporated into the design of many systems.

FLUID PATH INTEGRITY

The magnetic drive and static o-ring seal(s) keep the fluid securely inside the pump and potential contaminants out.

SMOOTH PULSELESS DELIVERY

Positive displacement, precision gears provide consistent fluid delivery in continuous processes.

CHEMICALLY RESISTANT

Series GM has a long-life in aggressive environments.

EASY TO SERVICE

Series GM pumps are easy to service using a Micropump service kit and simple hand tools.

HIGH SYSTEM PRESSURE CAPABILITY

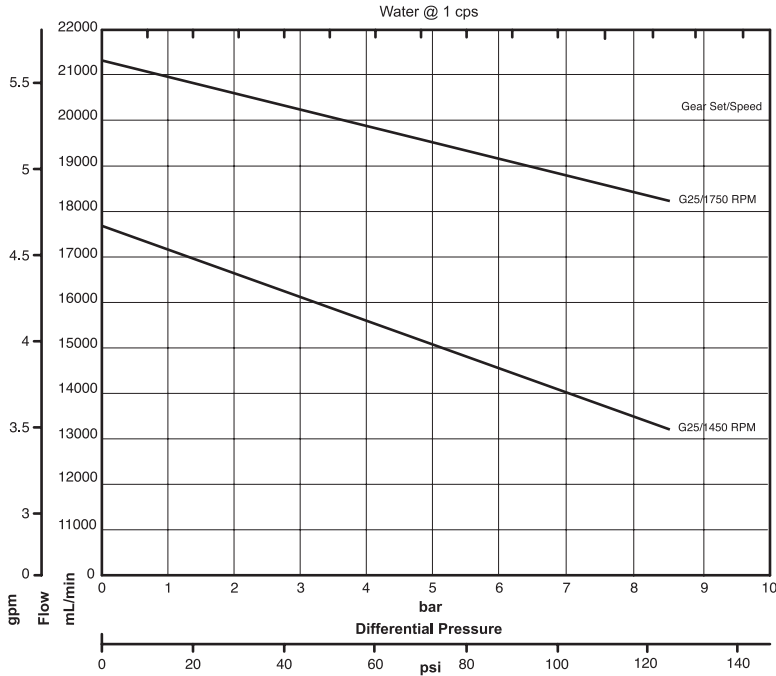
Optional version of the Series GM are designed to withstand system pressures up to 103 Bar (1500 psi).

WIDE RANGE OF CONFIGURATIONS

Micropump's designs offer a wide range of configurations to meet your more challenging requirements including:

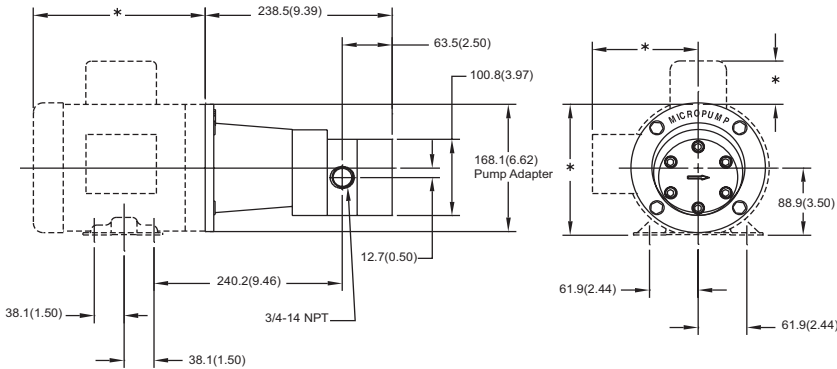
- ▶ Multiple gear, body, and o-ring materials
- ▶ High-torque magnets
- ▶ Special bushing materials
- ▶ NEMA and IEC drive mounts

PUMP PERFORMANCE

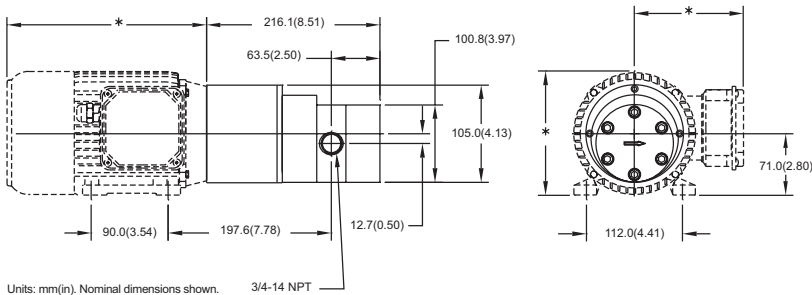


DIMENSIONS

NEMA 56C MOUNT



Units: mm(in). Nominal dimensions shown.



Units: mm(in). Nominal dimensions shown. 3/4-14 NPT

MICROPUMP®

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REV. 5/17

PERFORMANCE SUMMARY

FLOW RATE AT 1750 RPM

- ▶ 21.3 L/min (5.6 US gpm)

DISPLACEMENT

- ▶ Gear Set G25
- ▶ mL/rev 12.2
- ▶ US gal/1000 rev 3.2

MAXIMUM RATED DIFFERENTIAL PRESSURE

- ▶ 8.6 Bar (125 psi)

MAXIMUM RATED SYSTEM PRESSURE

- ▶ 103 Bar (1500 psi)

TEMPERATURE RANGE

- ▶ -46 to 121 °C (-50 to 250 °F)

VISCOSITY RANGE

- ▶ 0.5 to 2500 cps

MAXIMUM RECOMMENDED SPEED

- ▶ 1750 rpm

PUMP CONSTRUCTION

- ▶ Magnetic drive gear pump
- ▶ Cavity style
- ▶ Helical, shafted gears
- ▶ Sleeve bushings
- ▶ O-ring seals

WETTED MATERIALS

BASE MATERIAL

- ▶ 316 stainless steel

GEARS

- ▶ PEEK
- ▶ PTFE

STATIC SEALS

- ▶ FKM
- ▶ TEV
- ▶ EP

MAGNETS

DRIVEN AND DRIVING

- ▶ Rare earth

PRODUCT ENHANCEMENTS

- ▶ High-system pressure
- ▶ Carbon bushings
- ▶ Hardened shafts
- ▶ PEEK & carbon wear plates