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
**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)

- **VISCOITY 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