




SERIES GM

MAGNETIC DRIVE GEAR PUMP

 **Series GM** – For reliable performance you can trust, the Series GM magnetic drive gear pump from Micropump is the solution you've been waiting for. With its small size and high-powered performance, Series GM can meet the needs of a wide range of applications, and is available in a high system pressure version that can withstand pressures to 69 Bar (1000 psi). These precision, cavity style gear pumps deliver leak-free operation and smooth, pulseless delivery with a wide range of optional features, configurations, and chemically resistant materials.

SMALL SIZE

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

LEAK-FREE

The magnetic drive and o-ring seals 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 versions of the Series GM are designed to withstand system pressures up to 103 Bar (1500 psi).

WIDE RANGE OF OPTIONS AND CONFIGURATIONS

Micropump's designs offer the flexibility to customize products 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



INNOVATIVE DESIGNS

Micropump uses the latest engineering tools and manufacturing equipment to produce the most innovative pumping solutions available. Products are developed using state-of-the-art CAD, Finite Element Analysis (FEA), and rapid prototyping tools. Precision CMM and CNC manufacturing equipment ensure the highest level of product quality.

PROVEN RELIABILITY

Over 40 years of experience solving the most difficult pumping problems go into the design and manufacture of every Micropump product, ensuring the most reliable pumping solution available.

ENHANCED EFFICIENCY

As part of the IDEX family of companies, Micropump utilizes Kaizen, Lean Manufacturing, Value Stream Mapping and Six Sigma process improvement strategies to continually meet the challenge of improving quality while increasing productivity—all of which help Micropump better meet the pumping needs of customers in an increasingly diverse range of markets.



SERIES GM

PERFORMANCE SUMMARY

Flow Rate at 1750 rpm
21350 ml/min (5.6 gpm)

Displacement
Gear Set G25
ml/rev 12.2

Maximum Rated Differential Pressure
8.7 Bar (125 psi)

Maximum Rated System Pressure
69 Bar (1000 psi)

Temperature Range
-46 to 121°C (-50 to 250°F)

Viscosity Range
0.2 to 2500 cps

Maximum 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
- Static seals
- Viton®

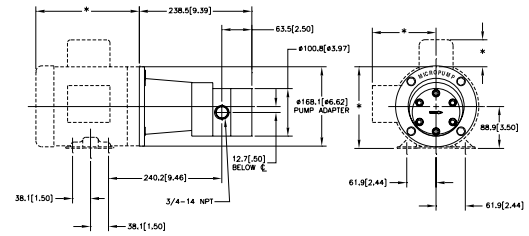
MAGNETS

- Driven and driving
- Rare earth

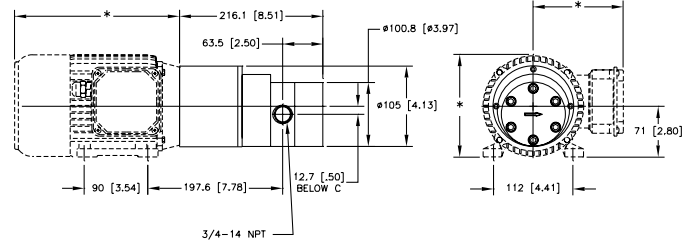
CALL YOUR LOCAL DISTRIBUTOR OR MICROPUMP DIRECTLY FOR CUSTOMIZED OEM SOLUTIONS.

DIMENSIONS

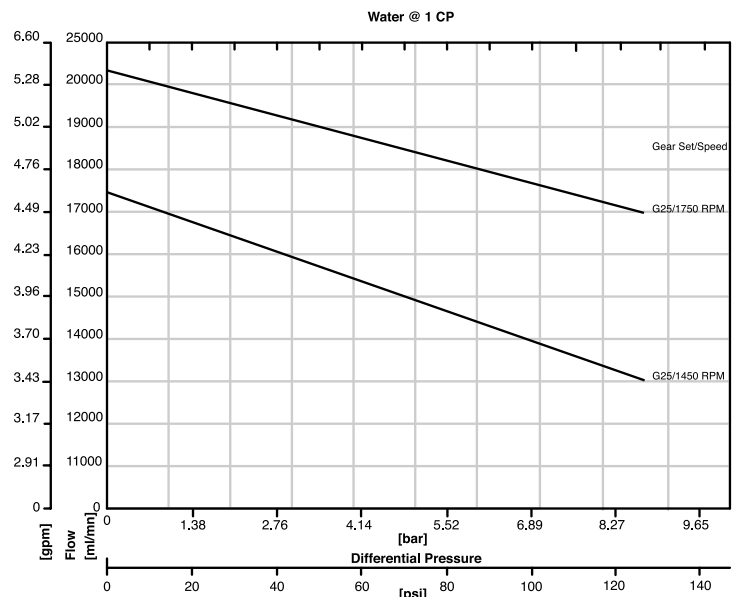
NEMA 56C Mount



IEC 71-B14 Mount

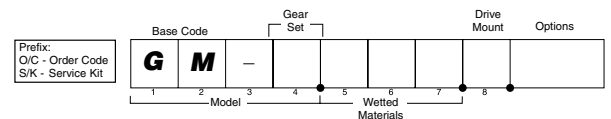


PUMP PERFORMANCE



*Higher Differential Pressures Available - Consult Factory

ORDER CODE



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MICROPUMP

IDEX CORPORATION



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MP500-05/2005