




SERIES GN

MAGNETIC DRIVE GEAR PUMP

 **Series GN** – The Series GN magnetic drive gear pump from Micropump is the result of years of experience developing and manufacturing the most advanced pumping technology. These cavity style gear pumps offer advantages like small size, leak-free performance, and exceptionally easy servicing. For high pressure jobs, choose the Series GN with high system pressure capabilities to 103 Bar (1500 psi). Available in a wide range of chemically resistant materials and custom OEM configurations, Series GN pumps have the power to handle your toughest requirements.



SMALL SIZE

The miniature package size of the Series GN 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 GN has a long life in aggressive environments.

EASY TO SERVICE

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

HIGH SYSTEM PRESSURE CAPABILITY

Optional versions of the Series GN 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
- 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 GN

PERFORMANCE SUMMARY

Flow Rate at 1750 rpm
42875 ml/min (11.38 gpm)

Displacement
Gear Set G35
ml/rev 24.5

Maximum Rated Differential Pressure
6.9 Bar (100 psi)

Maximum Rated System Pressure
103 Bar (1500 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
- Three helical, shafted gears
- Stationary shafts
- O-ring seals

WETTED MATERIALS

- Base material
- 316 stainless steel
- Gears
- PEEK
- Static seals
- Viton®

MAGNETS

- Driven and driving
- Rare earth

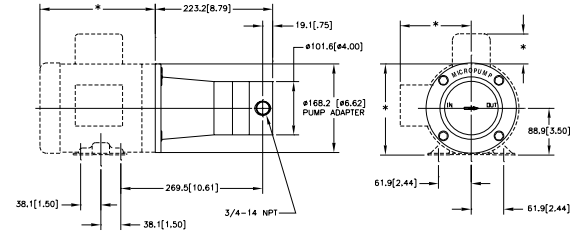
PRODUCT ENHANCEMENTS

- High system pressure

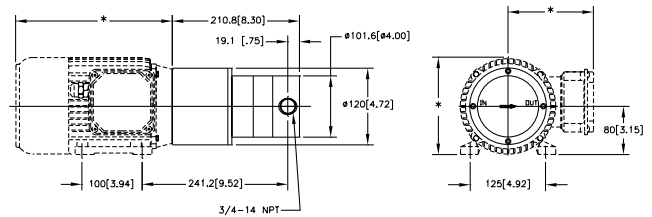
CALL YOUR LOCAL DISTRIBUTOR OR MICROPUMP DIRECTLY FOR CUSTOMIZED OEM SOLUTIONS.

DIMENSIONS

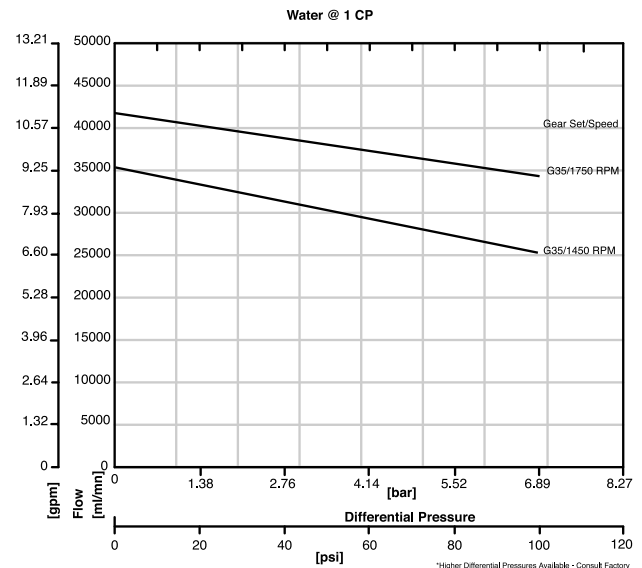
NEMA 56C Mount



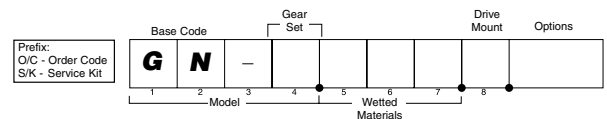
IEC 71-B14 Mount



PUMP PERFORMANCE



ORDER CODE



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MICROPUMP

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