Series GN 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 fluid delivery, and high-system pressure capability. Available in standard and OEM configurations, Micropump’s Series GN pumps keep your operations running 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 GN 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 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 version of the Series GN 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
- NEMA and IEC drive mounts
PUMP PERFORMANCE

PERFORMANCE SUMMARY

FLOW RATE AT 1750 RPM
- 42.9 L/min (11.4 US gpm)

DISPLACEMENT
- Gear Set: G35
- mL/rev: 24.5
- US gal/1000 rev: 6.5

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)

VISCOITY RANGE
- 0.5 to 2500 cps

MAXIMUM RECOMMENDED 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
- Alloy 20

GEARS
- PEEK
- PTFE

STATIC SEALS
- FKM
- PTFE
- TEV
- EP

MAGNETS

DRIVEN AND DRIVING
- Rare earth

PRODUCT ENHANCEMENTS

- High-system pressure
- Carbon bushings
- Hardened shafts

DIMENSIONS

NEMA 56C MOUNT

iEC 71-814 MOUNT