


# SERIES GJ

## MAGNETIC DRIVE GEAR PUMP

 **Series GJ** – Backed by a tradition of engineering and technological expertise, the Series GJ from Micropump delivers exceptional pumping performance for any high precision application. These compact, magnetically driven gear pumps feature a cavity style design with PTFE seals to ensure leak-free performance. With benefits like chemical resistance, abrasive fluid pumping and smooth, pulseless delivery, Series GJ pumps are available with a wide range of options, as well as in OEM configurations.



### SMALL SIZE

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

### LEAK-FREE

The magnetic drive and PTFE 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 GJ has a long life in aggressive environments.

### EASY TO SERVICE

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

### WIDE RANGE OF OPTIONS AND CONFIGURATIONS

Micropump's designs offer the flexibility to customize products to meet your more challenging requirements including:

- Three standard gear sizes
- Multiple gear and body materials
- Optional internal bypass
- Optional high torque magnets
- NEMA, IEC, and Micropump 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.

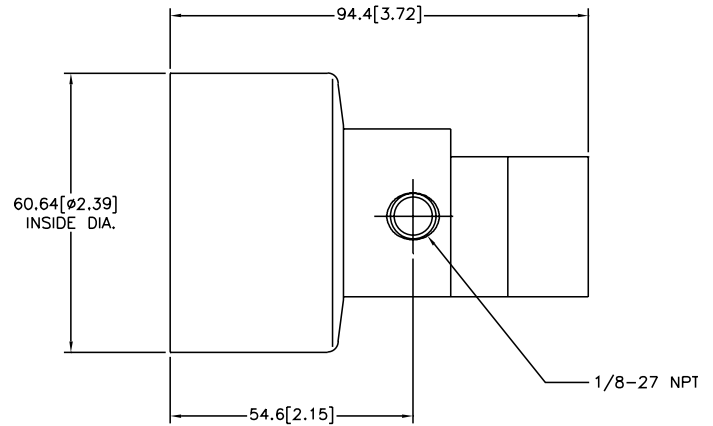
### ENHANCED EFFICIENCY

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.



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## DIMENSIONS (A MOUNT)



## PERFORMANCE SUMMARY

Flow Rate at 5500 rpm  
5217 ml/min (1.38 gpm)

Displacement

Gear Set	N21	N23	N25
ml/rev	0.316	0.64	0.91

Maximum Rated Differential Pressure  
5.6 Bar (80 psi)

Maximum Rated System Pressure  
21 Bar (300 psi)

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

Viscosity Range  
0.2 to 1500 cps

Maximum Speed  
10,000 rpm

## PUMP CONSTRUCTION

- Magnetic drive gear pump
- Cavity style
- Two helical, shafted gears
- Sleeve bushings
- PTFE bevel or o-ring seal

## WETTED MATERIALS

Base material

- 316 stainless steel

Gears

- PEEK
- PPS
- PTFE

Static seals

- PTFE

## MAGNETS

Driven and driving

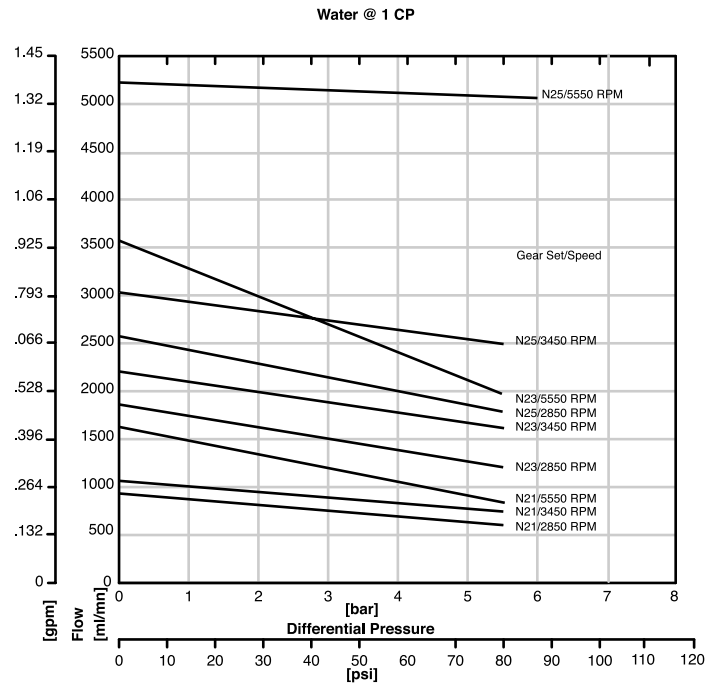
- Ferrite
- Rare earth

## PRODUCT ENHANCEMENTS

- Internal bypass

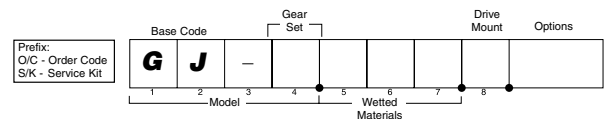
CALL YOUR LOCAL DISTRIBUTOR OR MICROPUMP DIRECTLY FOR CUSTOMIZED OEM SOLUTIONS.

## PUMP PERFORMANCE



\*Higher Differential Pressures Available - Consult Factory

## ORDER CODE



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**MICROPUMP**

IDEX CORPORATION



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