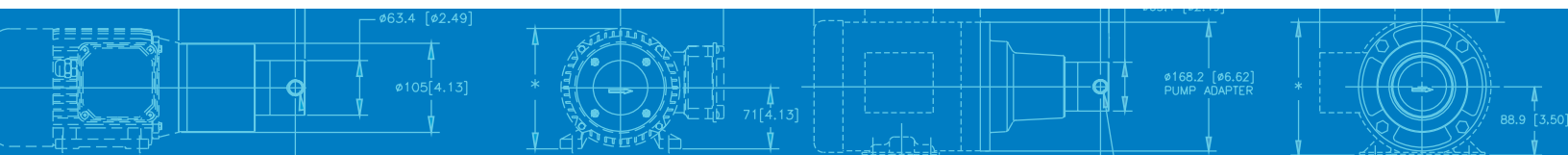




# Series GJ

## MAGNETIC DRIVE GEAR PUMP

Series GJ pumps deliver exceptional pumping performance for any high-precision application. These compact magnetically driven gear pumps feature a cavity style design with dynamic seals to ensure leak-free performance. Micropump's Series GJ pumps offer excellent chemical resistance, abrasive fluid pumping, and smooth pulseless fluid delivery. Series GJ pumps are ideal for a wide-range of fluidic applications.



### 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 GJ is easily incorporated into the design of many systems.

### FLUID PATH INTEGRITY

The magnetic drive and static 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 CONFIGURATIONS

Micropump's designs offer a wide range of configurations 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, I-Drive, and Micropump drive mounts

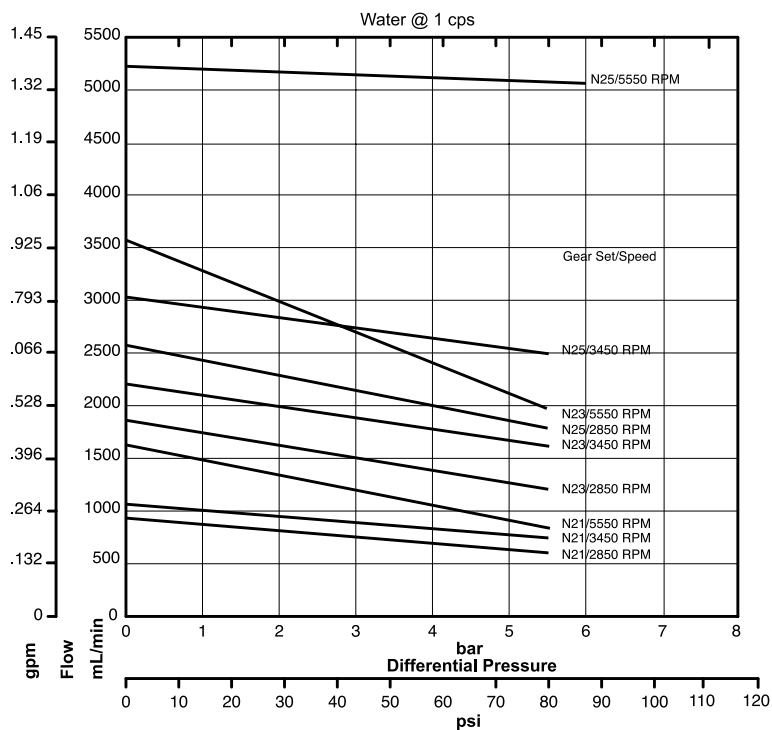
### INNOVATIVE DESIGNS

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 to ensure the highest level of product quality and reliability.

### ENHANCED EFFICIENCY

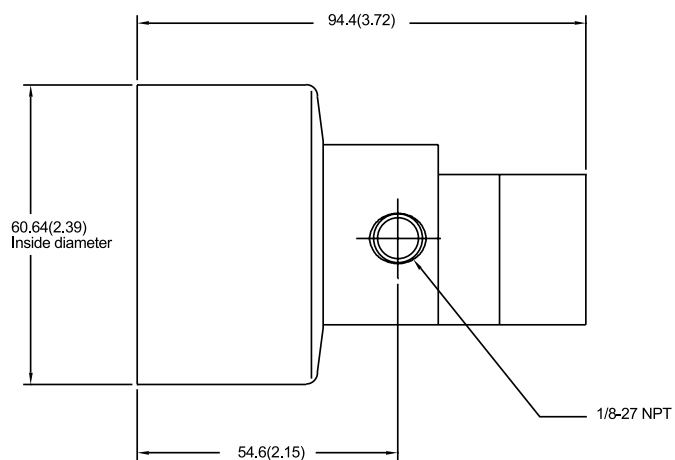
As part of the IDEX Corporation, Micropump can offer fully-integrated liquid subassemblies, gas management systems, and precision components. Products include Pumps, Valves, Manifolds, Tubing, Fittings, Degassing/Debubbling Systems, Air Compressors, Vacuum Generators, and HPLC Columns. Additional services are custom fluidic engineering and development, contract manufacturing, extrusion, molding, machining, and diffusion bonding.

# PUMP PERFORMANCE



## DIMENSIONS

### A MOUNT



Units: mm(in). Nominal dimensions shown.

## 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

- ▶ 0.5 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

- ▶ Rare earth

**MICROPUMP®**



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