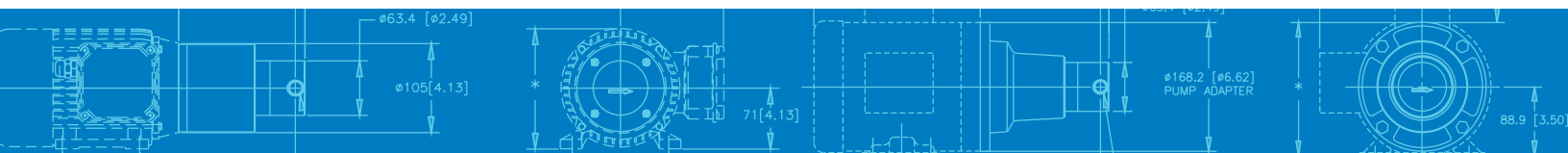




# Series GB

## MAGNETIC DRIVE GEAR PUMP

When you need a low-flow pump that delivers high-performance in a small package, Series GB is an excellent solution. Series GB pumps provide precise, pulseless flow for a wide range of fluid temperatures. Featuring Micropump's suction shoe design, the pumps self-compensate for wear ensuring near zero slip and a long pump life.



### SUCTION SHOE STYLE PUMPS

Suction shoe style pumps self-compensate for wear, are excellent for continuous duty processes, and offer improved efficiencies when pumping at higher pressures

### SMALL SIZE

The miniature package size of the Series GB 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, helical gears provide consistent fluid delivery in continuous processes.

### CHEMICALLY RESISTANT

Series GB has a long-life in aggressive environments.

### EASY TO SERVICE

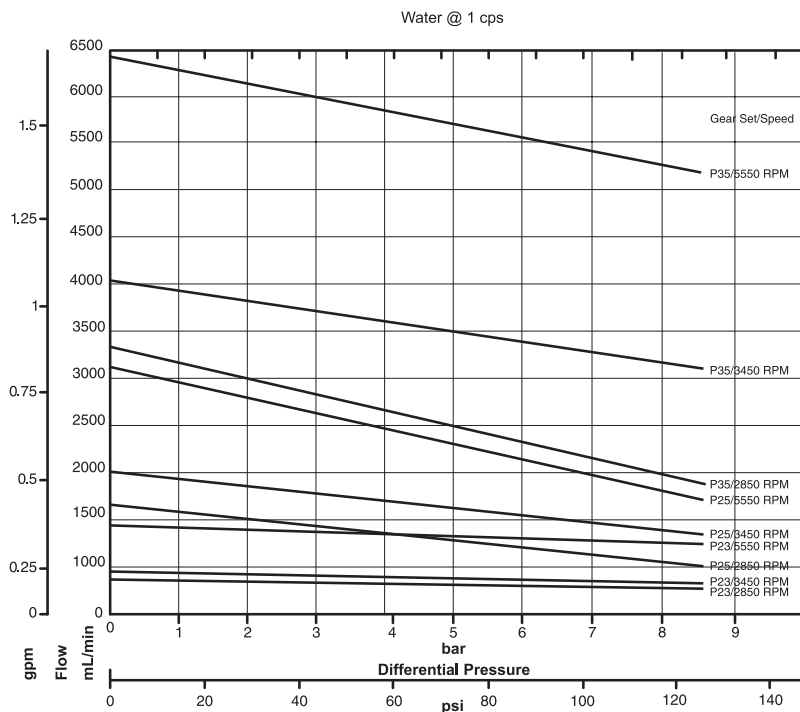
Series GB pumps are easy to service using a Micropump service kit and simple hand tools.

### WIDE RANGE OF CONFIGURATIONS

Micropump's designs offer a wide range of configurations to meet your more challenging requirements including:

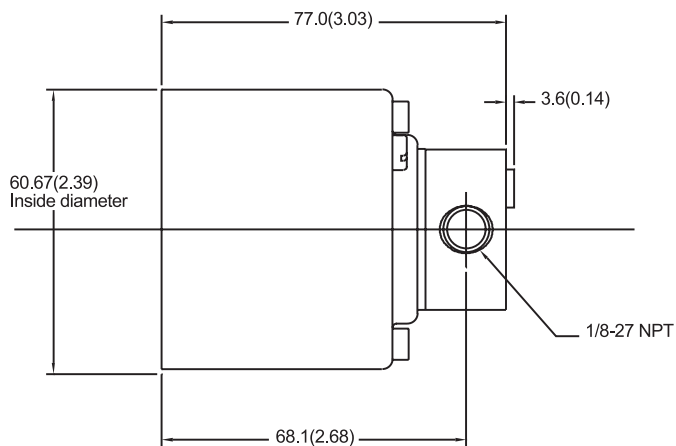
- ▶ Two and three gear versions
- ▶ Multiple gear, body, and o-ring materials
- ▶ Optional internal bypass
- ▶ Optional high-torque magnets
- ▶ NEMA, IEC, and Micropump drive mounts

# PUMP PERFORMANCE



# DIMENSIONS

A MOUNT



Units: mm(in). Nominal dimensions shown.

**MICROPUMP**

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REV: 1/16

# PERFORMANCE SUMMARY

FLOW RATE AT 5500 RPM

- ▶ 6.4 L/min (1.70 US gpm)

DISPLACEMENT

- |                   | P23  | P25  | P35  |
|-------------------|------|------|------|
| ▶ Gear Set        |      |      |      |
| ▶ mL/rev          | 0.26 | 0.58 | 1.17 |
| ▶ US gal/1000 rev | 0.07 | 0.15 | 0.31 |

MAXIMUM RATED DIFFERENTIAL PRESSURE

- ▶ 8.6 Bar (125 psi)

MAXIMUM RATED SYSTEM PRESSURE

- ▶ 21 Bar (300 psi)

TEMPERATURE RANGE

- ▶ -46 to 204 °C (-50 to 400 °F)

VISCOSITY RANGE

- ▶ 0.5 to 1500 cps

MAXIMUM SPEED

- ▶ 5500 rpm

# PUMP CONSTRUCTION

- ▶ Magnetic drive gear pump
- ▶ Suction shoe style
- ▶ Two or three helical gears
- ▶ Stationary shafts
- ▶ O-ring seal

# WETTED MATERIALS

BASE MATERIAL

- |                       |               |
|-----------------------|---------------|
| ▶ 316 stainless steel | ▶ Hast C-276® |
| ▶ Titanium            | ▶ Alloy 20    |

GEARS

- ▶ PEEK
- ▶ PPS

STATIC SEALS

- |          |           |
|----------|-----------|
| ▶ Viton® | ▶ Kalrez® |
| ▶ TEV    | ▶ EP      |

# MAGNETS

DRIVEN

- ▶ Rare earth
- ▶ Ferrite

DRIVING

- ▶ Ferrite
- ▶ Electromagnetic
- ▶ Rare earth

# PRODUCT ENHANCEMENTS

- ▶ Internal Bypass
- ▶ 1/4 - 18 NPT Side Ports



# OFFICIAL DISTRIBUTORS FOR:

