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 patented suction shoe design, the pumps self-compensate for wear ensuring near zero slip and a long pump life. Available in standard or custom designs, Series GB keeps your operations flowing smoothly.

**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.

**Leak-Free**
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 Options and Configurations**
Micropump’s designs offer the flexibility to customize products 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

**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 Health & Science Group, Micropump now offers 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.
**Performance Summary**

**Flow Rate at 5500 rpm**
- 6435 mL/min (1.70 gpm)

**Displacement**
- Gear Set: P23, P25, P35
- mL/rev: 0.26, 0.58, 1.17

**Maximum Rated Differential Pressure**
- 8.7 Bar (125 psi)

**Maximum Rated System Pressure**
- 21 Bar (300 psi)

**Temperature Range**
- -46-177 °C (-50-350 °F)

**Viscosity Range**
- 0.2-1500 cps

**Maximum Speed**
- 10,000 rpm

**Pump Construction**
- Magnetic drive gear pump
- Suction shoe style
- Two or three helical gears
- Stationary shafts
- O-ring seal
- Bypass optional

**Wetted materials**
- **Base material**: 316 stainless steel
- **Gears**: PEEK, PPS
- **Static Seals**: Viton®, EP
- **Magnets**: Driven and driving: Ferrite, Rare earth

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**Dimensions**

**A-Mount**

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**Pump Performance**

*Higher differential pressures available - consult factory*