For reliable performance you can trust, the Series 5500 magnetic drive gear pump from Micropump is the solution you’ve been waiting for. With its small size and high-powered performance, Series 5500 can meet the needs of a wide range of applications, and is available in a high system pressure version that can withstand pressures to 103 Bar (1500 psi). These precision, cavity style gear pumps deliver leak-free operation and smooth, pulseless delivery with a wide range of optional features, configurations, and chemically resistant materials.

**Small Size**
The smaller package size of the Series 5500 delivers performance that is usually found only in much larger pumps.

**Leak-Free**
The magnetic drive and O-ring seals keep the fluid securely inside the pump and potential contaminants out.

**Smooth Pulseless Delivery**
Positive displacement, helical gears provide smooth, accurate fluid delivery that is proportional to motor speed.

**Chemically Resistant**
An extensive range of wetted material options ensure compatibility with a wide range of chemicals.

**Easy to Service**
Series 5500 pumps are easy to service using a Micropump service kit and simple hand tools.

**Wide Range of Options**
Product design offers the flexibility to configure the product to your specific needs. Some options include:
- Three standard gear sizes
- Multiple gear, body, and O-ring materials
- High torque magnets
- Special bushing materials
- NEMA and IEC drive mounts

**Advanced Pump Technology**
Micropump uses the latest engineering tools and manufacturing equipment to produce the most advanced 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 pump, ensuring the most reliable pumping solution available.

**OEM Configurations**
Series 5500 pumps can be customized to meet your individual requirements.

**High System Pressure Capability**
The Series 5500 is designed to withstand system pressures up to 103 Bar (1500 psi).
**Series 5500**

Magnetic Drive Gear Pump

### Performance Summary

**Flow Rate**
- 21 L/min at 1750 rpm
- 5.6 gpm

**Displacement (ml/rev)**
- Gear Set: G21, G23, G25
- ml/rev: 7.3, 9.8, 12.2

**Maximum Differential Pressure**
- 8.7 Bar, 125 psi

**Maximum System Pressure**
- 103 Bar, 1500 psi

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

**Viscosity Range**
- Maximum Speed: 0.2 to 2500 cps, 1750 rpm

### Pump Construction
- Magnetic drive gear pump
- Cavity style
- Helical, shafted gears
- Sleeve bushings
- O-ring seals

### Wetted Materials
- **Base Material**
  - 316 stainless steel
  - Alloy 20
  - Titanium
  - Hastelloy C-276®
  - Hastelloy B-2®
- **Gears**
  - PEEK
  - Teflon®
- **Static seals**
  - Viton®
  - Ethylene propylene
  - Buna N
  - Kalrez®
  - TEV (Teflon encapsulated Viton)

### Magnets
- Driven and driving
- Rare earth

### Product Enhancements
- High system pressure
- Carbon bushings
- Hardened shafts
- ANSI flanges
- PEEK & carbon wear plates

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**Dimensions**

**NEMA 56C Mount**

**IEC 71-B14 Mount**

Units: mm [in]. Nominal dimensions shown.

### Pump Performance

**Water @ 1 CP**

**Order Code**

**Base Code**

**Gear Set**

**Drive Mount**

**Options**

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Specifications are subject to change without notice.

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