When you need a low-flow pump that delivers high-performance in a small package, Series GA is an excellent solution. Series GA pumps provide precise, pulseless flow, and feature Micropump’s suction shoe design that allows the pumps to self-compensate for wear ensuring near zero slip and a long pump life. Series GAH extends Series GA to high-system pressure applications making Series GA pumps ideal for a wide-range of low-flow applications.

**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 GA/GAH 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, precision gears provide consistent fluid delivery in continuous processes.

**CHEMICALLY RESISTANT**
Series GA/GAH has a long life in aggressive environments.

**EASY TO SERVICE**
Series GA/GAH pumps are easy to service using a Micropump® service kit and simple hand tools.

**HIGH-SYSTEM PRESSURE CAPABILITY**
Series GAH pumps are designed to withstand system pressures up to 345 bar (5000 psi).

**WIDE RANGE OF CONFIGURATIONS**
Micropump’s designs offer a wide range of configurations to meet your more challenging requirements including:
- Multiple gear, body, and o-ring materials
- High-torque magnets
- NEMA, IEC, EagleDrive, and Micropump drive mounts
**PUMP PERFORMANCE**

**PERFORMANCE SUMMARY**

- **FLOW RATE AT 5500 RPM**
  - 506 mL/min (0.134 US gpm)

- **DISPLACEMENT**
  - Gear Set: X21 V21 T23
  - mL/rev: 0.017 0.042 0.092
  - US gal/1000 rev: 0.045 0.01 0.02

- **MAXIMUM RATED DIFFERENTIAL PRESSURE**
  - 5.2 Bar (75 psi)

- **MAXIMUM RATED SYSTEM PRESSURE**
  - Standard Series GA: 21 Bar (300 psi)
  - High-Pressure Series GAH: 345 Bar (5000 psi)

- **TEMPERATURE RANGE**
  - -46 to 177 °C (-50 to 350 °F)

- **VISCOSITY RANGE**
  - 0.5 to 1500 cps

- **MAXIMUM RECOMMENDED SPEED**
  - 5500 rpm

**PUMP CONSTRUCTION**

- Magnetic drive gear pump
- Suction shoe style
- Spur gears
- Stationary shafts
- O-ring seal

**WETTED MATERIALS**

- **BASE MATERIAL**
  - 316 stainless steel
  - Alloy 276
  - Titanium
  - Alloy 20

- **GEARS**
  - Carbon Graphite
  - PTFE
  - PEEK
  - Carbon
  - PPS

- **STATIC SEALS**
  - FKM
  - PTFE
  - TEV
  - FFKM
  - EP

**MAGNETS**

- Driven and Driving
  - Ferrite
  - Rare Earth

**PRODUCT ENHANCEMENTS**

- 1/4 - 18 NPT Side Ports (GA Only)

**DIMENSIONS**

**A MOUNT**

- Units: mm(in). Nominal dimensions shown.

- 63.6(2.5)
- 60.64(2.39)
- Inside diameter
- 56.0(2.20)

- 1/8-27 NPT

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**ACTUAL PERFORMANCE MAY VARY.** Specifications are subject to change without notice. ©2016 Micropump, Inc. A Unit of IDEX Corporation.