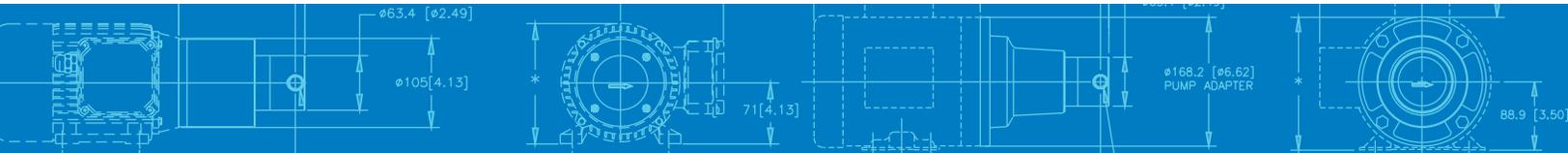


Series GC

MAGNETIC DRIVE GEAR PUMP



When you need a pump that delivers high-performance in a compact package, Series GC is an excellent solution. Series GC 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 GC 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 GC has a long-life in aggressive environments.

EASY TO SERVICE

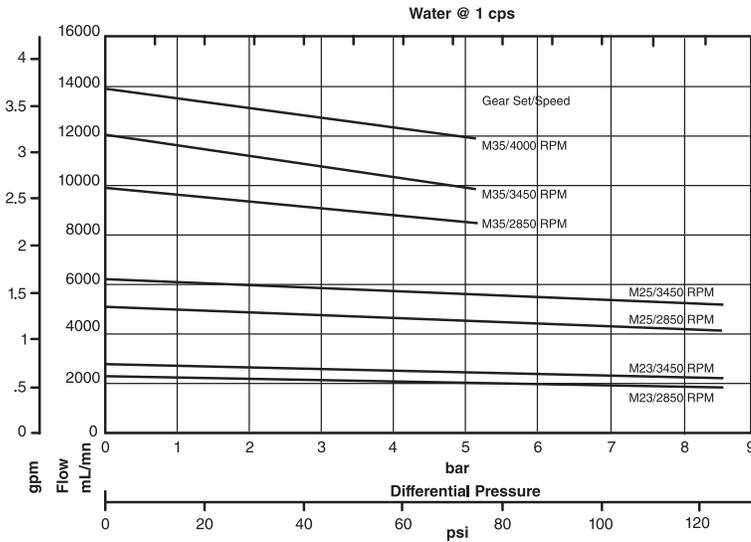
Series GC pumps are easy to service using a Micropump service kit and simple hand tools.

WIDE RANGE OF CONFIGURATIONS

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

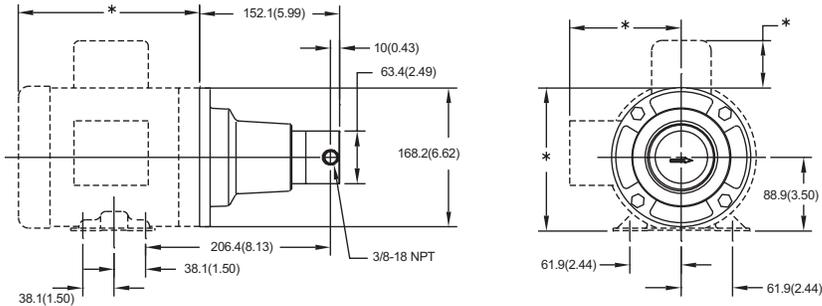
- ▶ Two and three gear versions
- ▶ Multiple gear, body, and o-ring materials
- ▶ High-torque magnets
- ▶ NEMA, IEC, and Micropump drive mounts

PUMP PERFORMANCE



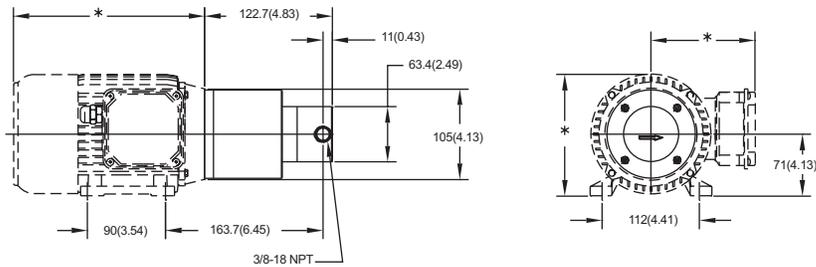
DIMENSIONS

NEMA 56C MOUNT



Units: mm(in). Nominal dimensions shown.

IEC 71-B14-MOUNT



Units: mm(in). Nominal dimensions shown.

PERFORMANCE SUMMARY

FLOW RATE AT 4000 RPM

- ▶ 13.9 L/min (3.7 US gpm)

DISPLACEMENT

- ▶ Gear Set M23 M25 M35
- ▶ mL/rev 0.81 1.82 3.48
- ▶ US gal/1000 rev 0.21 0.48 0.92

MAXIMUM RATED DIFFERENTIAL PRESSURE

- ▶ 8.6 Bar (125 psi)

MAXIMUM RATED SYSTEM PRESSURE

- ▶ 103 Bar (1500 psi)

TEMPERATURE RANGE

- ▶ -46 to 177 °C (-50 to 350 °F)

VISCOSITY RANGE

- ▶ 0.5 to 1500 cps

MAXIMUM SPEED

- ▶ 4000 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 ▶ Alloy 276
- ▶ Titanium ▶ Alloy 20

GEARS

- ▶ PEEK
- ▶ PPS

STATIC SEALS

- ▶ FKM ▶ FFKM
- ▶ TEV ▶ EP

MAGNETS

DRIVEN AND DRIVING

- ▶ Ferrite
- ▶ Rare earth

PRODUCT ENHANCEMENTS

- ▶ 3/8 - 18(F) NPT Side Port



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