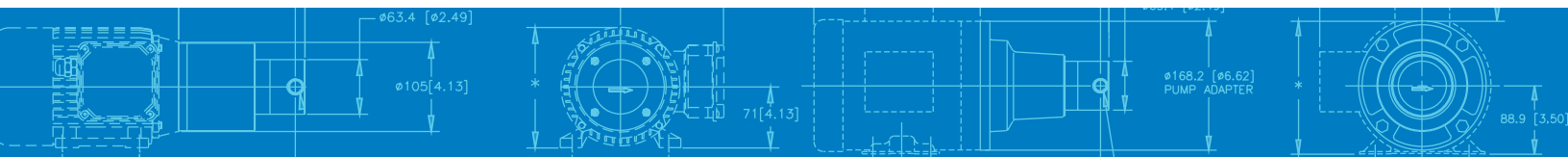




# Series GL

## MAGNETIC DRIVE GEAR PUMP

Series GL pumps deliver exceptional pumping performance for any high-precision application. These compact magnetically driven gear pumps feature a cavity style design with benefits such as chemical resistance, smooth pulseless fluid delivery, and high-system pressure capability. Micropump's Series GL pumps keep your operations flowing smoothly.



### CAVITY STYLE PUMPS

Cavity style pumps are excellent for wide-ranging inlet and outlet operating conditions, and allow for intermittently pumping in reverse.

### SMALL SIZE

The miniature package size of the Series GL 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 GL has a long-life in aggressive environments.

### EASY TO SERVICE

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

### HIGH-SYSTEM PRESSURE CAPABILITY

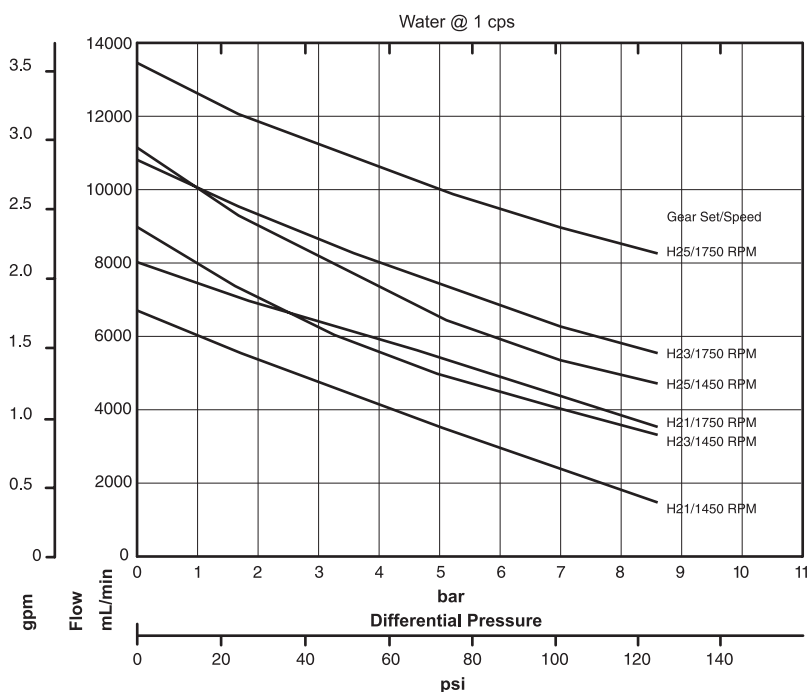
Optional versions of the Series GL are designed to withstand system pressures up to 103 Bar (1500 psi).

### WIDE RANGE OF CONFIGURATIONS

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

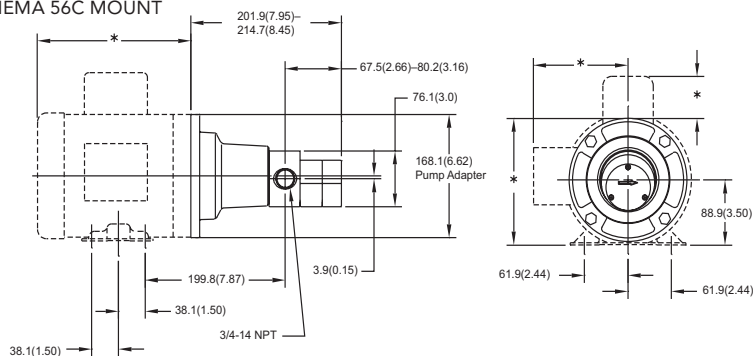
- ▶ Three standard gear sizes
- ▶ Multiple gear, body, and o-ring materials
- ▶ Optional high-torque magnets
- ▶ NEMA and IEC drive mounts

# PUMP PERFORMANCE

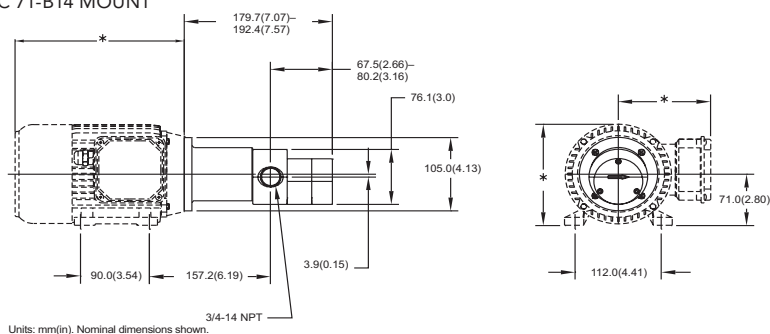


## DIMENSIONS

### NEMA 56C MOUNT



### IEC 71-B14 MOUNT



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REV: 1/16

## PERFORMANCE SUMMARY

### FLOW RATE AT 3450 RPM

- ▶ 26.6 L/min (7.0 US gpm)

### DISPLACEMENT

- ▶ Gear Set H21 H23 H25
- ▶ mL/rev 4.6 6.2 7.7
- ▶ US gal/1000 rev 1.2 1.6 2.0

### MAXIMUM RATED DIFFERENTIAL PRESSURE

- ▶ 8.6 Bar (125 psi)

### MAXIMUM RATED SYSTEM PRESSURE

- ▶ 103 Bar (1500 psi)

### TEMPERATURE RANGE

- ▶ -46 to 121 °C (-50 to 250 °F)

### VISCOSITY RANGE

- ▶ 0.5 to 2500 cps

### MAXIMUM RECOMMENDED SPEED

- ▶ 3450 rpm

## PUMP CONSTRUCTION

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

## WETTED MATERIALS

### BASE MATERIAL

- ▶ 316 stainless steel

### GEARS

- ▶ PTFE
- ▶ PEEK

### STATIC SEALS

- ▶ PTFE

## MAGNETS

### DRIVEN AND DRIVING

- ▶ Ferrite
- ▶ Rare earth

## PRODUCT ENHANCEMENTS

- ▶ High-system pressure
- ▶ Carbon bushings
- ▶ Hardened shafts
- ▶ 1/2" - 14 NPT Ports