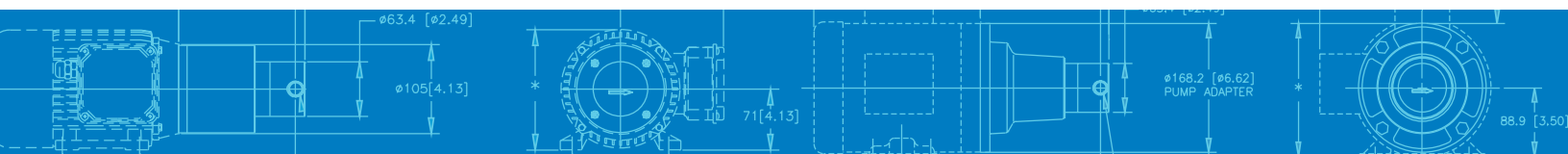




# Series GD

## MAGNETIC DRIVE GEAR PUMP

When you need a pump that delivers high-performance while pumping harsh, abrasive fluids, Series GD is an excellent solution. Micropump's Series GD pumps provide precise, pulseless flow for applications like pipeline sampling by utilizing an abrasion resistant cavity style pump chamber and hardened steel gears. As a result, Series GD pumps offer extended life in aggressive environments.



### 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 GD 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 GD has a long-life in aggressive environments.

### EASY TO SERVICE

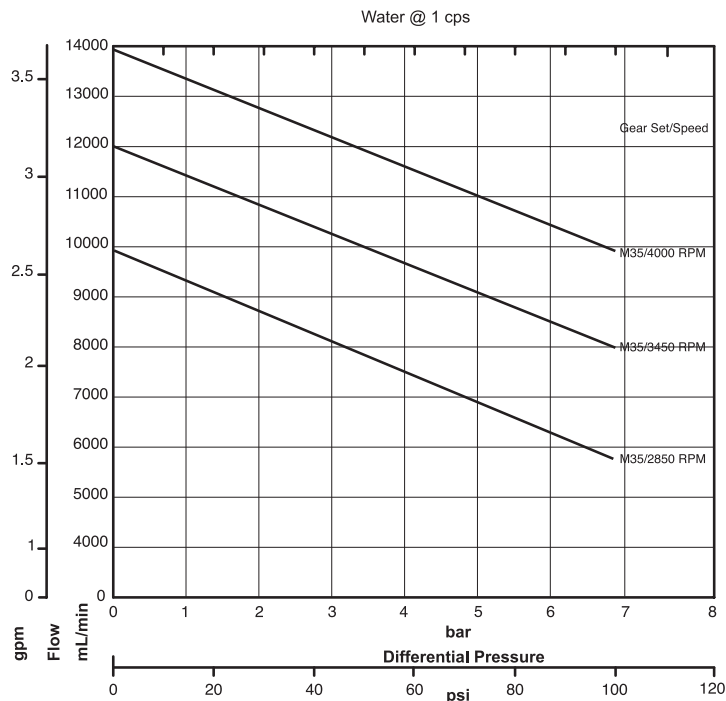
Series GD pumps are easy to service using a Micropump service kit and simple hand tools.

### WIDE RANGE OF CONFIGURATIONS

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

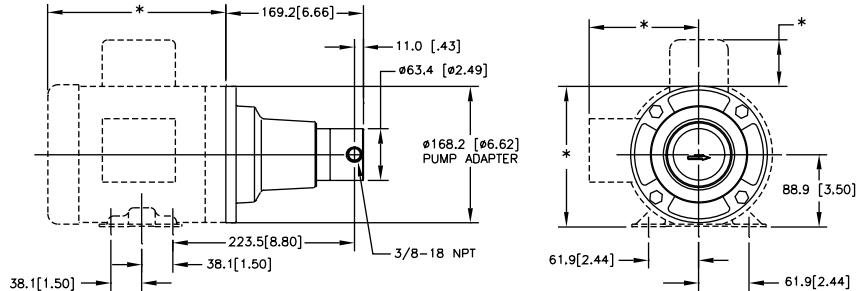
- ▶ Multiple gear, body, and o-ring materials
- ▶ High torque magnets
- ▶ Hybrid/abrasive resistant materials

# PUMP PERFORMANCE

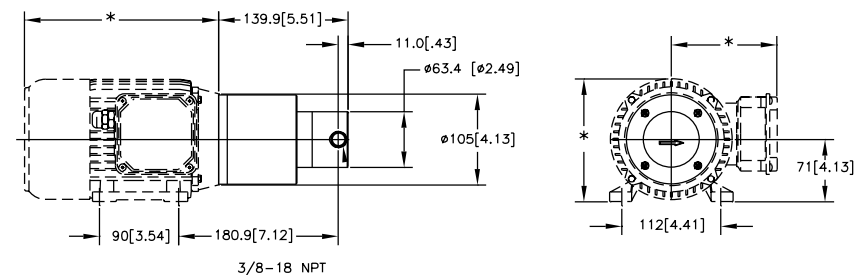


## DIMENSIONS

### NEMA 56C MOUNT



### 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 M35
- ▶ mL/rev 3.48
- ▶ US gal/1000 rev 0.92

### MAXIMUM RATED DIFFERENTIAL PRESSURE

- ▶ 6.9 Bar (100 psi)

### MAXIMUM RATED SYSTEM PRESSURE

- ▶ 103 Bar (1500 psi)

### TEMPERATURE RANGE

- ▶ -46 to 204 °C (-50 to 400 °F)

### VISCOSITY RANGE

- ▶ 0.5 to 1500 cps

### MAXIMUM SPEED

- ▶ 4000 rpm

## PUMP CONSTRUCTION

- ▶ Magnetic drive gear pump
- ▶ Cavity style
- ▶ Three helical gears
- ▶ Stationary shafts
- ▶ O-ring seal

## WETTED MATERIALS

### BASE MATERIAL

- ▶ 316 stainless steel

### GEARS

- ▶ PEEK
- ▶ PPS
- ▶ Hardened steel

### STATIC SEALS

- ▶ FKM
- ▶ FFKM
- ▶ TEV
- ▶ EP

## MAGNETS

### DRIVEN AND DRIVING

- ▶ Ferrite
- ▶ Rare earth

**MICROPUMP**

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