

# SERIES 2200

## Magnetic Drive Gear Pump



**Series 2200** If you're looking for a pump that

offers compact size, but delivers full-size

performance, then the Series 2200 gear

pump from Micropump is just what

you've been looking for. This compact,

cavity style magnetic drive gear pump

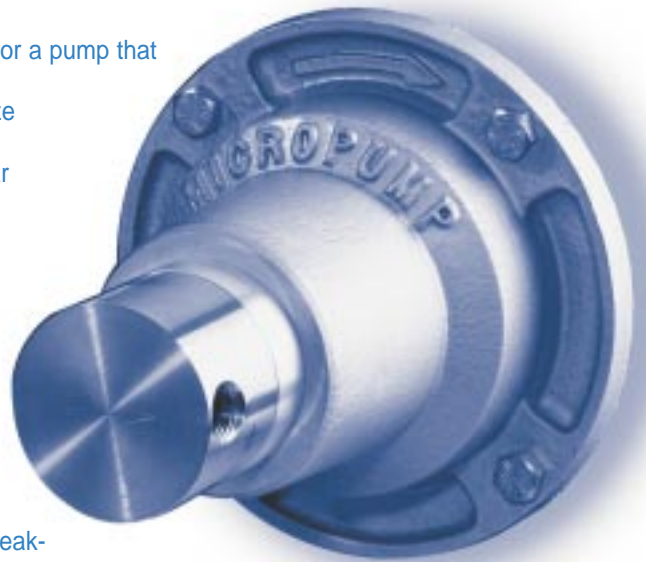
offers an optional high-powered high

system pressure version for pressures

up to 103 Bar (1500 psi). Benefits like leak-

free performance, chemical resistance, easy servicing, and a wide

range of options make Series 2200 the right choice for a wide variety of applications.



### Small Size

The smaller package size of the Series 2200 delivers performance that is usually found only in much larger pumps.

### Leak-Free

The magnetic drive and a single O-ring seal 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 2200 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:

- Multiple gear, body, and O-ring materials
- Optional high torque magnets
- NEMA, IEC, and Micropump drive mounts
- Optional abrasive resistant models

### 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 2200 pumps can be customized to meet your individual requirements.

### High System Pressure Capability

Optional versions of the Series 2200 are designed to withstand system pressures up to 103 Bar (1500 psi).



# SERIES 2200

## Magnetic Drive Gear Pump

### Performance Summary

Flow Rate at 3450 rpm	
12.0 L/min	3.2 gpm
Displacement	
Gear Set	M35
ml/rev	3.48
Maximum Differential Pressure	
8.7 Bar	125 psi
Maximum System Pressure	
103 Bar	1500 psi
Temperature Range	
-46 to 260° C	-50 to 500° F
Viscosity Range	Maximum Speed
0.2 to 1500 cps	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
  - Alloy 20
  - Titanium
  - Hastelloy C-276®
  - Hastelloy B-2®
- Gears
  - PEEK
  - Ryton® (PPS)
  - Hardened steel (A10)
- Static seals
  - Viton®
  - Ethylene propylene
  - Buna N
  - TEV (Teflon® encapsulated Viton)
  - Kalrez®

### Magnets

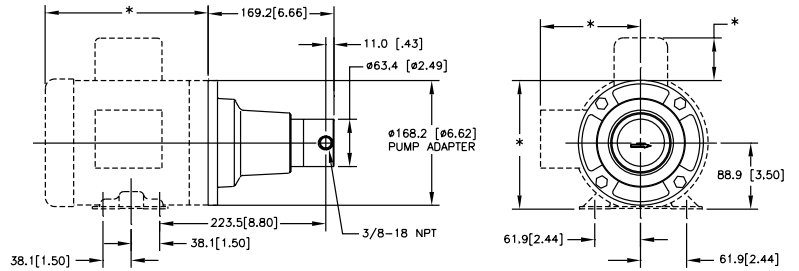
- Driven and driving
  - Ferrite
  - Rare earth

### Product Enhancements

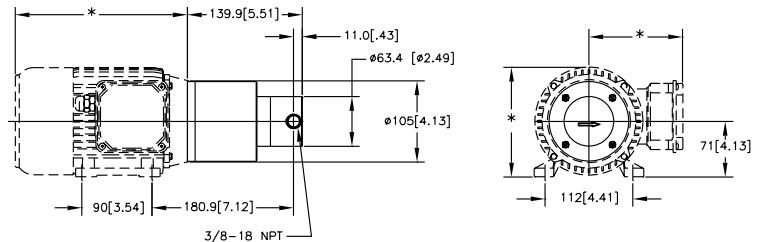
- High system pressure
- Tri-clamp fittings
- ANSI flanges

### Dimensions

#### NEMA 56C Mount

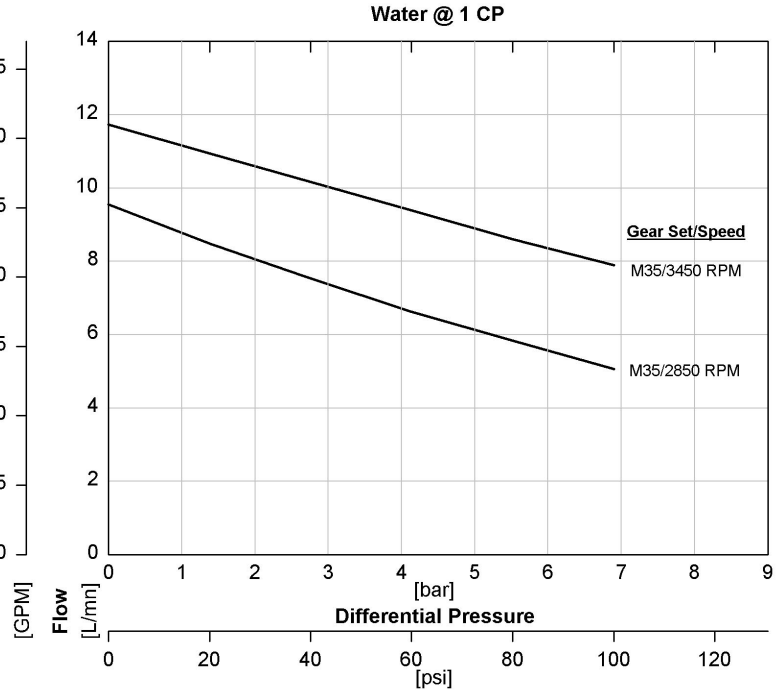


#### IEC 71-B14 Mount

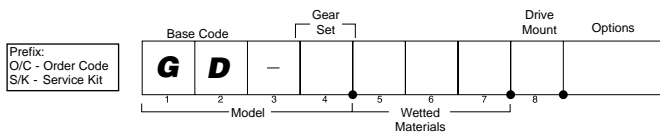


Units: mm[in]. Nominal dimensions shown.

### Pump Performance



### Order Code



ACTUAL PERFORMANCE MAY VARY

Specifications are subject to change without notice.

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