

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

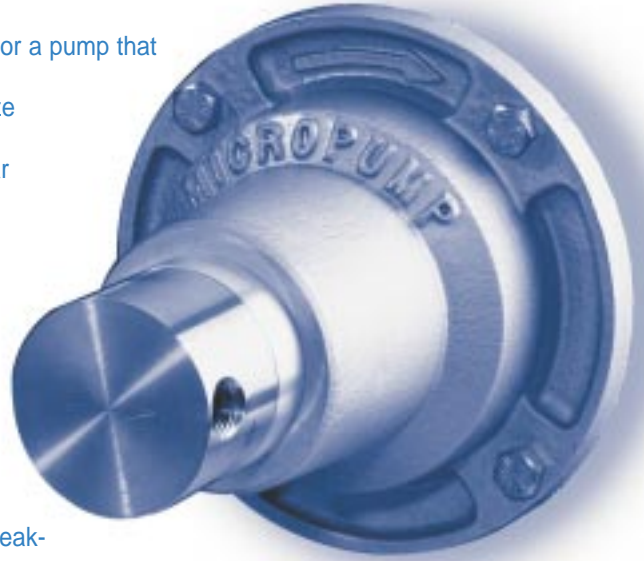
offers an optional high-powered high

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).



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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

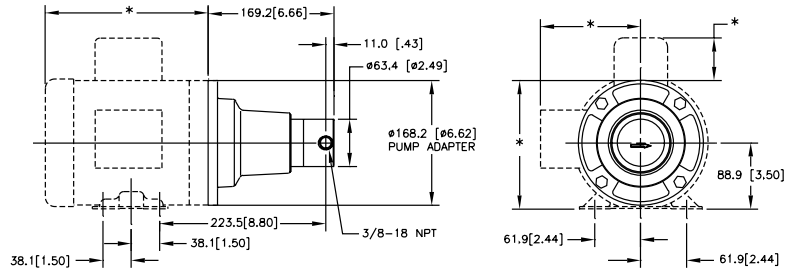
- Driven and driving
 - Ferrite
 - Rare earth

Product Enhancements

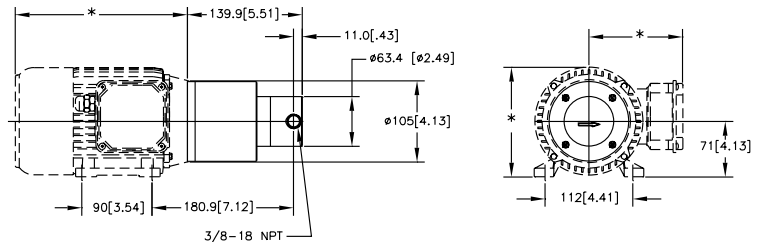
- High system pressure
- Tri-clamp fittings
- ANSI flanges

Dimensions

NEMA 56C Mount

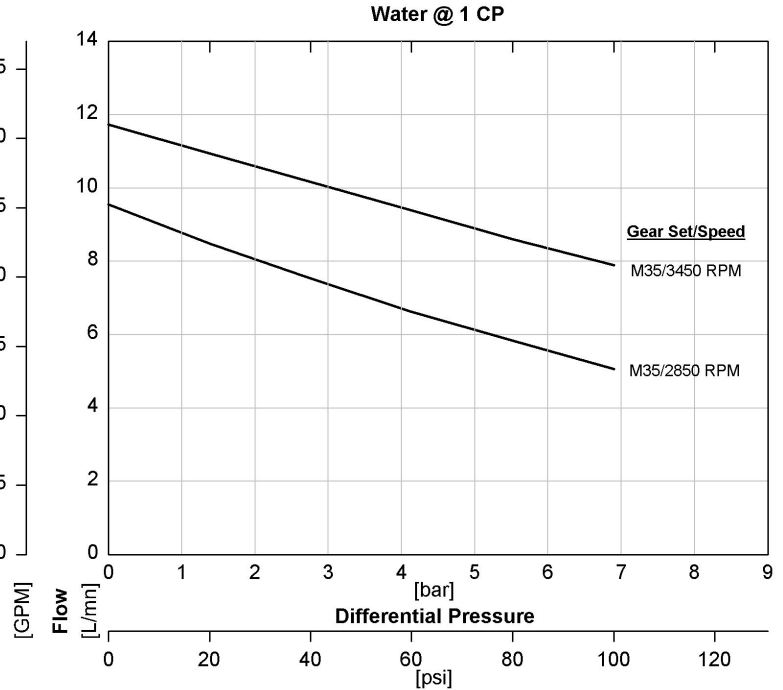


IEC 71-B14 Mount

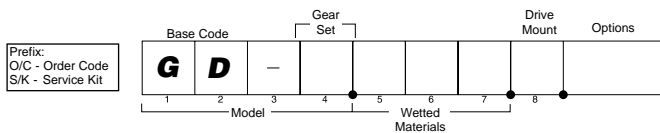


Units: mm[in]. Nominal dimensions shown.

Pump Performance



Order Code



ACTUAL PERFORMANCE MAY VARY

Specifications are subject to change without notice.

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