


SERIES GD

MAGNETIC DRIVE GEAR PUMP

 **Series GD** – If you're looking for a pump that offers compact size, but delivers full-size performance, then the Series GD gear pump from Micropump is just what you've been looking for. This compact, cavity style magnetic drive gear pump offers an optional hybrid/abrasive resistant version for use in applications like pipeline sampling. Benefits like leak-free performance, chemical resistance, easy servicing, and a wide range of options make Series GD the right choice for a wide variety of applications.



SMALL SIZE

The miniature package size of the Series GD is easily incorporated into the design of many systems.

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, 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 OPTIONS AND CONFIGURATIONS

Micropump's designs offer the flexibility to customize products to meet your more challenging requirements including:

- Multiple gear, body, and o-ring materials
- Optional high torque magnets
- NEMA and IEC drive mounts
- Hybrid/abrasive resistant materials

INNOVATIVE DESIGNS

Micropump uses the latest engineering tools and manufacturing equipment to produce the most innovative 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 product, ensuring the most reliable pumping solution available.

ENHANCED EFFICIENCY

As part of the IDEX family of companies, Micropump utilizes Kaizen, Lean Manufacturing, Value Stream Mapping and Six Sigma process improvement strategies to continually meet the challenge of improving quality while increasing productivity—all of which help Micropump better meet the pumping needs of customers in an increasingly diverse range of markets.



SERIES GD

PERFORMANCE SUMMARY

Flow Rate at 3450 rpm
12006 ml/min (3.17 gpm)

Displacement
Gear Set M35
ml/rev 3.48

Maximum Rated Differential Pressure
8.7 Bar (125 psi)

Maximum Rated System Pressure
103 Bar (1500 psi)

Temperature Range
-46 to 121°C (-51 to 250°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
- Viton®
 - TEV

MAGNETS

- Driven and driving
- Ferrite
 - Rare earth

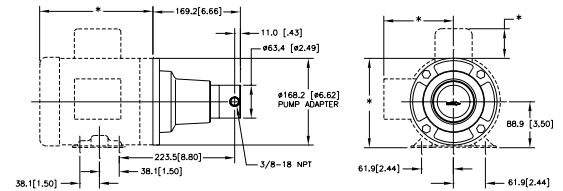
PRODUCT ENHANCEMENTS

- Hybrid/abrasive resistant materials

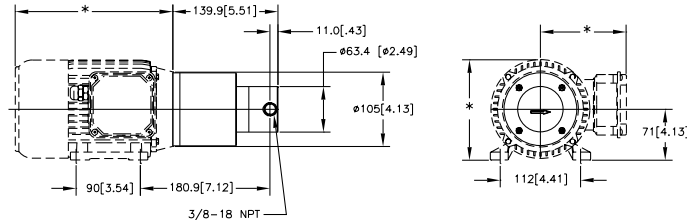
CALL YOUR LOCAL DISTRIBUTOR OR MICROPUMP DIRECTLY FOR CUSTOMIZED OEM SOLUTIONS.

DIMENSIONS

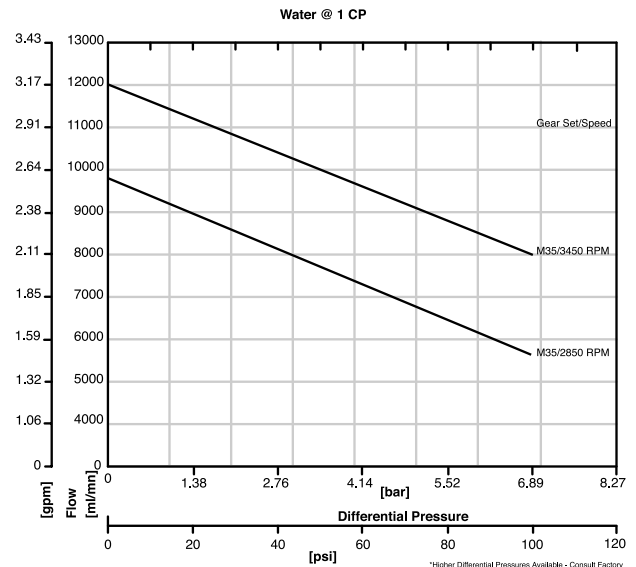
NEMA 56C Mount



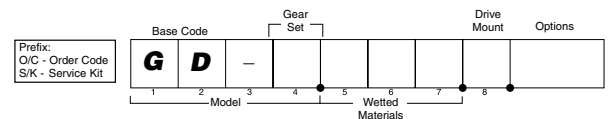
IEC 71-B14 Mount



PUMP PERFORMANCE



ORDER CODE



Micropump, Inc.

A Unit of IDEX Corporation

phone 800.671.6269
360.253.2008
fax 800.222.9565
360.253.8294

Micropump Limited

A Subsidiary of Micropump, Inc.

phone + 44.0.1480.356900
fax + 44.0.1480.356920

Micropump Germany

phone + 49.912.018.0465
fax + 49.912.018.0466

IDEX APG - Beijing

phone + 86.10.6522.7567
fax + 86.10.6522.7563

IDEX APG - India

phone + 91.22.56780047
fax + 91.22.56976633

MICROPUMP

IDEX CORPORATION



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MP500-05/2005