


MICROPUMP®

SERIES GC

MAGNETIC DRIVE GEAR PUMP

 **Series GC** - For a pump that delivers high precision performance every time, trust the proven reliability of Micropump's Series GC suction shoe style magnetic drive gear pump. These high performance pumps provide smooth, pulseless delivery and leak-free operation in a convenient, compact unit. The Series GC pumps are a perfect fit for demanding applications with a wide range of available options, materials, and configurations. With its precision performance and maximum versatility, Series GC keeps your process flowing smoothly.

SMALL SIZE

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

EASY TO SERVICE

Series GC 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:

- Two and three gear versions
- Multiple gear, body, and o-ring materials
- Optional high torque magnets
- NEMA and IEC drive mounts



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 GC

PERFORMANCE SUMMARY

Flow Rate at 3450 rpm

12006 ml/min (3.17 gpm)

Displacement

Gear Set	M23	M25	M35
ml/rev	0.81	1.82	3.48

Maximum Rated Differential Pressure
8.7 Bar (125 psi)

Maximum Rated System Pressure
103 Bar (1500 psi)

Temperature Range

-46 to 177°C (-50 to 350°F)

Viscosity Range

0.2 to 1500 cps

Maximum Speed

6000 rpm

PUMP CONSTRUCTION

- Magnetic drive gear pump
- Suction shoe style
- Two or three helical gears
- Stationary shafts
- O-ring seal

WETTED MATERIALS

Base material

- 316 stainless steel

Gears

- PEEK
- PPS

Static seals

- Viton®
- TEV

MAGNETS

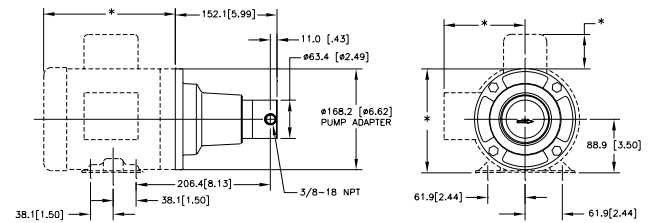
Driven and driving

- Ferrite
- Rare earth

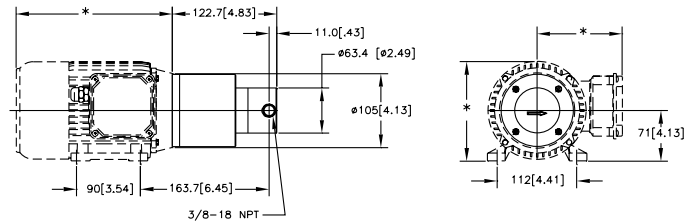
CALL YOUR LOCAL DISTRIBUTOR OR MICROPUMP DIRECTLY FOR CUSTOMIZED OEM SOLUTIONS.

DIMENSIONS

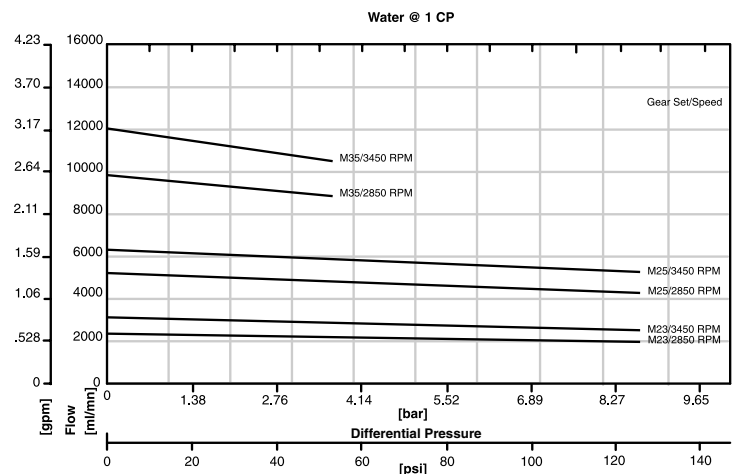
NEMA 56C Mount



IEC 71-B14 Mount

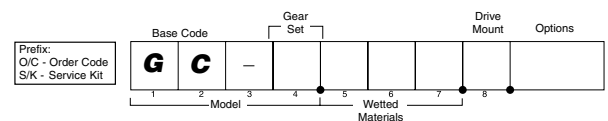


PUMP PERFORMANCE



*Higher Differential Pressures Available - Consult Factory

ORDER CODE



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MICROPUMP
IDEX CORPORATION



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