GLH Series is your answer for a larger magnetic gear pump that can handle tough fluid handling needs. The GLH Series delivers zero leak tolerance and precise, reliable flow with higher displacement.

Micropump’s GLH Series features helical gears for a rugged solution optimized for reliable performance, more displacement, and longevity of operation in challenging pumping applications.

HIGH-SYSTEM PRESSURE CAPABILITY
Designed to withstand maximum system pressures up to 103 Bar (1500 psi).

MAINTENANCE EASE
Streamlined product portfolio with a wide performance set for improved replacement part stock.

INDUSTRIAL MOUNT FLEXIBILITY
Drive mount options to fit NEMA and IEC-compatible motors.

GLH SERIES
CAVITY STYLE TECHNOLOGY

MAGNETIC DRIVE GEAR PUMP

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PUMP FLOW RANGE
(Based on Constant Speed Curves)

PERFORMANCE SUMMARY
FLOW RATE AT 3450 RPM
- 26.6 L/min (7.0 US gpm)

DISPLACEMENT
- Gear Set: H21, H23, H25
- mL/rev: 4.6, 6.2, 7.7
- US gal/1000 rev: 1.2, 1.6, 2.0

MAXIMUM RATED DIFFERENTIAL PRESSURE
- 8.6 Bar (125 psi)

MAXIMUM RATED SYSTEM PRESSURE
- 103.4 Bar (1500 psi)

TEMPERATURE RANGE
- -29 to 121 °C (-50 to 250 °F)

VISCOSITY RANGE
- 0.5 to 2500 cps

MAXIMUM RECOMMENDED SPEED
- 3450 rpm

PUMP CONSTRUCTION
- Cavity style
- Helical, shafted gears
- Sleeve bushings
- O-ring seals

WETTED MATERIALS
BASE MATERIAL
- 316 stainless steel

GEARS
- PTFE
- PEEK

STATIC SEALS
- PTFE
- Viton

MAGNETS
DRIVEN
- Rare earth

DRIVING
- Ferrite
- Rare earth

*Denotes customization or materials that may require minimum order quantities.

MAGNETIC GEAR PUMP FEATURES

CAVITY STYLE PUMPS
Cavity style pumps are excellent for wide-ranging inlet and outlet operating conditions. The helical gears allow for a highly quiet and efficient pump for fluid movement.

SMOOTH PULSELESS DELIVERY
Positive displacement, precision gears provide consistent fluid delivery in continuous processes.

EASY TO SERVICE
Our pumps are easy to service using a Micropump® service kit and simple hand tools.

LEAK FREE DESIGN
The magnetic drive and static o-ring seal(s) keep the fluid securely inside the pump and potential contaminants out.

CHEMICALLY RESISTANT
Chemically inert materials for harsh environments.