



L SEAL FLUSH

Precise Flow Control

 Positive displacement gear pumps for precise, pulseless flow

Maintainability

 Service Kits for easy field serviceability and streamlined components for easy replacement

MICROPUMP PRODUCTS OPTIMIZED FOR THIS APPLICATION

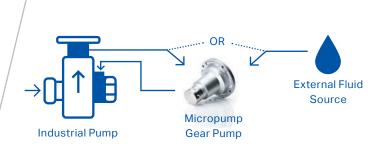
Micropump Series GC and GL pumps are commonly used for Seal Flush applications. The Series GC pump is a Suction Shoe style gear pump. Suction Shoe style gear pumps can operate over large temperature ranges and provide consistent flow with pump wear. The Series GL gear pump can provide higher flow rates when required. Both the Series GC and GL provide the flow control and smooth, pulseless flow required for these applications.

GC Specifications

- Displacement: 0.811 ml/rev (M23) | 1.82 ml/rev (M25) | 3.48 ml/rev (M35)
- Min Flow Rate: 405 mL/min | 0.11 US gpm
- Max Flow Rate: 0.405 to 13.9L/min (6.4 to 221 USG/hr)
- Max Differential Pressure: 125 psi (8.6 Bar)
- Max System Pressure: 1500 psi (103 Bar)
- Temp range: -46 to 177 °C (-50 to 350 °F)

GLH Specifications

- Displacement: 4.6 ml/rev (H21) | 6.2 ml/rev (H23) | 7.7 ml/rev (H25)
- Min Flow Rate: 0.6 GPM (2,270 mL/min) at 500 rpm
- Max Flow Rate: 7.0 GPM (26,565 mL/min) at 3,450 rpm
- Max Differential Pressure: 125 psi (8.6 bar) [50 psi with PTFE gears]
- Max System Pressure: 1,500 psi (103.4 bar)
- Temp Range: -29° C 121° C (20 to 250 °F)



Micropump gear pumps provide differential pressure and flow control needed either for re-circulation or when using an external flushing stream.

SUCCESS STORY

For a major engineered products company providing mechanical seals for the refinery industry, Micropump pumps are used on the wet side in main seal circulation (their closed-loop system). Micropump pumps deliver best in class volumetric efficiency that only uses enough power to counteract the drag or inertia in pipes to propel the liquid forward efficiently. This process is repeated over and over again, intermittently, and the pump has been found to have an excellent lifespan of 3 to 5 years. Micropump pumps are utilized in the customer's systems for mechanical seal flushing throughout the world. GC-M35 and GLH series are most typically chosen for flow rates and reliability. Additionally Micropump pumps can meet API requirements, closed-loop seal systems, and pairing with an industrial motor.

MICROPUMP_®

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 ${\tt ACTUAL\ PERFORMANCE\ MAY\ VARY.\ Specifications\ are\ subject\ to\ change\ without\ notice.}$