Fuel can be improved, changed or enhanced through the addition of fuel additives according to specific performance and usage requirements.

**TYPICAL EXAMPLES INCLUDE:**
- Refining additives
- Detergent additives to keep fuel injectors clean
- Color dyes to identify fuel grades
- Lead-based additives for aviation
- Corrosion inhibitors
- Lubricants for extended engine and pump life
- Anti-icing additives for jet fuel
- Static dissipater additives

**NOTE:** Additives can be added at the rack in a distribution terminal, at a service station style dispenser, or into the fuel stream dispensed from a delivery truck.

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**PUMPING REQUIREMENTS**

**FLOW RATE:** 0.5 to 10 L/min (7.925 to 158.5 USG/hr)

**MICROPUMP SOLUTIONS**

- We have variable speed pumps for this application with flows from 0.131 to 13.9 L/min (2.1 to 221 USG/hr)

**CHEMICAL RESISTANT TO HYDROCARBONS**

- Our chemically resistant construction materials stand up to the aggressive fluids found in fuel additives

**PRECISE, METERED FLOW CONTROL**

- Our gear pumps with variable speed DC drives provide precise flow control

**SMOOTH, PULSELESS FLOW**

- Gear pumps offer the virtually pulseless flow required for in-flow additive dispense

**RELIABILITY**

- Our precision design and manufactured gears stand the test of rugged use

**LEAK FREE**

- Our magnetic drives eliminates dynamic shaft seals, keeping fluid securely inside the pump and potential contaminants out

**MAINTAINABILITY**

- We offer Service Kits for easy field serviceability

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*Micropump pumps deliver smooth, controlled flows of fuel additive into a fuel dispensing system.*
Micropump “suction shoe” style pumps are commonly used for this application. Series GB are best suited for lower flows, and Series GC for higher flows. Suction Shoe style gear pumps provide more consistent flow with varying differential pressure, and extended pump wear, than standard cavity style gear pumps. Suction shoe pumps also perform better with wide ranging temperature changes than cavity style pumps. Our integrated electromagnet EagleDrive™ provides variable, precise flow control in an energy efficient and compact package.

### SERIES GB
**MAGNETIC DRIVE GEAR PUMP**
- **FLOW RATE:** 0.131 to 6.4 L/min (2.1 to 102 USG/hr)
- **MAX DIFFERENTIAL PRESSURE:** 125 psi (8.6 Bar)
- **MAX SYSTEM PRESSURE:** 300 psi (21 Bar)
- **WETTED MATERIALS:** 316SS, PEEK, PSS, Viton®, Kalrez®
- **DRIVES:** EagleDrive™ (Electromagnetic, DC Brushless) and other Micropump drive mounts

### SERIES GC
**MAGNETIC DRIVE GEAR PUMP**
- **FLOW RATE:** 0.405 to 13.9 L/min (6.4 to 221 USG/hr)
- **MAX DIFFERENTIAL PRESSURE:** 125 psi (8.6 Bar)
- **MAX SYSTEM PRESSURE:** 1500 psi (103 Bar)
- **WETTED MATERIALS:** 316SS, PEEK, PPS, Viton®, Kalrez®
- **DRIVES:** NEMA, IEC, drive mounts

### PERFORMANCE SUMMARY
This chart indicates optimal operating ranges for recommended products.

### MICROPUMP ADVANTAGE
The unparalleled quality, performance record, reliability and long operating life of Micropump pumps and our extensive engineering expertise make Micropump a vital partner in this demanding market.