DIESEL ENGINE EMISSION CONTROL



MICROPUMP₈



NE EMISSION CONTROL

Flow Rate

- 10 to 100 mL/min (0.16 to 1.6 USG/hr) flow rates
- GA and GB pumps offer flow rates from 8.5 to 6400 mL/min (0.13 to 102 USG/hr)

Max Differential Pressure

- 8.0 bar (116 psi) max differential pressure
- GB pumps support differential pressure up to 8.6 bar (125 psi)

Precise Flow Control

• Smooth, pulseless flow with an integrated drive offering fast responses to changing flow requirements

Leak-Free Operation

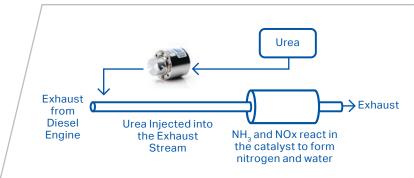
 Mag-drive gear pumps minimize leaks by eliminating dynamic shaft seals (no shafts penetrate the pump chamber wall)

Survive Harsh Environments

 Built to survive the harsh conditions found in vehicular markets. Our pumps are designed to tolerate freezing liquids and the electronic components in our drives are all automotive rated.

Low Cost-of-Ownership

 Simplified system design, low maintenance and long life are a winning cost-of-ownership combination for our mag-drive gear pumps



Micropump pump used to inject urea into the exhaust stream

MICROPUMP PRODUCTS OPTIMIZED FOR THIS APPLICATION

Micropump Series GA and Series GB mag-drive gear pumps are well suited for this application. Their smooth flow, durability, and long life make them the pump of choice over competing diaphragm pumps.

GA Specifications

- Displacement: 0.017 ml/rev (X21) | 0.042 ml/rev (V21) | 0.092 ml/rev (T23)
- Min Flow Rate: 8.5 mL/min (0.13 US gal/hr)
- Max Flow Rate: 8.5 to 506 mL/min (0.13 to 8.0 USG/hr)
- Max Differential Pressure: 75 psi (5.2 Bar)
- Max System Pressure: 300 psi (21 Bar)
- Temp range: -46 to 177 °C (-50 to 350 °F)

GB Specifications

- Displacement: 0.26 ml/rev (P23) | 0.58 ml/rev (P25) | 1.17 ml/rev (P35)
- Min Flow Rate: 131 mL/min | 2.1 US gal/hr
- Max 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)
- Temp range: -46 to 177 °C (-50 to 351 °F)

MICROPUMP_®

 $@Micropump, Inc \mid A\ Unit\ of\ IDEX\ Corp.$

www.micropump.com

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