

Liquefied Petroleum Gas (LPG) Fuel Injectors for Propane-Butane Manifold Vaporization Engines

Specifications :

Price	Contact us
Place of Origin	China
Min.Order Quantity	10
Payment Terms	OEM?ODM?OBM
Supply Ability	1000
Delivery Detail	3-7

Detail Introduction :

Parameter	Specification / Detail
Fuel Type	Liquefied Petroleum Gas (LPG - Liquid State in Line)
Fuel Components	Propane / Butane Blend
Vaporization Method	Instant Intake Manifold Vaporization (Heat Absorbing)
Core Function	Precision Metering & Fast Phase Change Atomization
Core Advantages	Precise Fuel Control, Optimal Atomization, High Reliability, Lower Emissions
Target Applications	Taxis, Indoor Operation Forklifts, Standby Generators & Propane-Butane Engines

Liquefied Petroleum Gas travels through fuel rails in a liquid state but requires instantaneous gasification upon entering the intake manifold to form a homogeneous combustible mixture. Constructed with high-frequency electromagnetic solenoids, these injectors accurately pulse liquid LPG into the manifold, leveraging its low boiling point to achieve rapid heat absorption and fine fuel misting. This thermal phase change ensures complete air-fuel blending, efficient power output, and reduced emissions across diverse propane-butane ratio mixtures.

Key Product Highlights:

- Propane / Butane Optimized:** Specifically engineered to handle varying propane and butane fuel ratios.
- Instant Intake Vaporization:** Liquid fuel absorbs ambient manifold heat and gasifies instantly upon injection.
- Precise Micro-Pulse Injection:** High-speed solenoid needle movement ensures exact fuel dosing for changing load demands.
- Optimal Engine Efficiency:** Clean combustion reduces engine carbon deposits and lowers exhaust smoke.

Target Applications:

Gas-Powered Machinery: LPG taxis, indoor forklifts, propane utility vehicles, and propane/butane dual-fuel engines.

Why Choose Us:

Manufactured using high-precision micro-machining and fuel-tolerant materials, our LPG injectors undergo rigorous dynamic flow matching and thermal shock testing to ensure flawless performance and outstanding fuel economy.