

Advanced LNG Gas Fuel Injectors for Heavy-Duty Clean Energy Powertrain Systems

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 Natural Gas (LNG - Injected After Vaporization)
Injection Mode	Precision Gas Phase Fuel Injection
Core Function	Clean Vaporized Gas Metering for High-Efficiency Combustion
Core Advantages	Precise Fuel Control, Optimal Atomization, High Reliability, Lower Emissions
Target Applications	Natural Gas Heavy Trucks, City Transit Buses & Clean Energy Commercial Fleets

As municipal transit authorities and commercial fleets transition toward clean energy, reliable gas injection technology is essential. These advanced LNG fuel injection nozzles are built with high-precision electromagnetic actuators capable of delivering precise gas pulses to optimize air-gas combustion ratios. By delivering gas evenly after liquid LNG is gasified, they eliminate misfires, lower engine vibration, and ensure full compliance with stringent environmental standards.

Key Product Highlights:

Precise Gas Metering: Advanced internal valve geometry guarantees pinpoint gas dosing across all throttle ranges.

Engineered for LNG Gasification Systems: Perfectly matched with heat-exchanger vaporized LNG delivery channels.

Clean Energy Compliance: Drastically lowers carbon monoxide, NOx, and soot emissions for eco-friendly transit.

High Commercial Uptime: Wear-resistant needle coatings protect against gas impurities and extend total service life.

Target Applications:

Clean Energy Transit & Hauling: LNG heavy-duty trucks, municipal city transit buses, and eco-friendly commercial fleets.

Why Choose Us:

We combine precision micro-machining with clean-energy combustion expertise. Our LNG fuel injectors undergo stringent leak-rate and durability testing under simulated gasification conditions, giving transport managers smooth power output and dependable daily service.