

Traditional Pintle Type Gasoline Fuel Nozzle – Durable Cone-Spray Injection Valve for Small General Power & Legacy 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	Standard Gasoline / Commercial Fuel Grades
Nozzle Architecture	Self-Cleaning Pintle / Annular Valve Pin
Spray Geometry	Hollow / Solid Cone Spray Pattern
Core Function	Deposit-Resistant Vaporization & Reliable Air-Fuel Mixing
Needle & Pin Material	Hardened Chrome-Alloy Tool Steel
Maintenance Profile	Self-Wiping Anti-Clogging Mechanism
Service Life	Extended Long-Life Cycle
Target Applications	Garden Equipment (Mowers, Chainsaws), Generators, Light Aviation, Legacy Engines

Designed with simplicity and rugged durability in mind, pintle-type injectors utilize an integrated needle pin that extends through the nozzle tip orifice. As fuel pressure moves the valve needle, the pintle creates a controlled annular opening that forms a stable cone spray pattern. This mechanical design naturally resists carbon and fuel deposit buildup, making it exceptionally reliable for small general power machinery, generators, and garden equipment operating in dusty or remote field conditions.

Key Product Highlights:

Self-Cleaning Pintle Design: Pintle pin motion naturally wipes carbon deposits away from the orifice, preventing nozzle clogging.

Consistent Cone Spray Pattern: Delivers a stable spray angle for effective air-fuel mixing in low-to-medium pressure systems.

Rugged Heavy-Duty Construction: Resistant to fuel impurities, low-grade gasoline, and harsh outdoor working environments.

Cost-Effective Reliability: Easy maintenance, long service intervals, and economical operating costs.

Target Applications:

Small General Power Machinery: Garden tools (lawn mowers, chainsaws), portable gasoline generators, and general utility engines.

Aviation & Marine: Light aircraft piston engines, aviation utility power, and small outboard marine engines.

Legacy & Classic Vehicles: Older generation gasoline cars and classic vehicle engines utilizing pintle injection systems.

Why Choose Us:

Built with high-hardness alloy steel pins and precision-ground valve seats, our pintle nozzles are engineered to survive millions of cycles with zero wear. We guarantee consistent spray angles and strict seal integrity for reliable cold starts and long-lasting operational uptime.