

Delphi

Explore our technologies

COMPRESSED NATURAL GAS INJECTOR MULTEC 3.5 CNG PFI

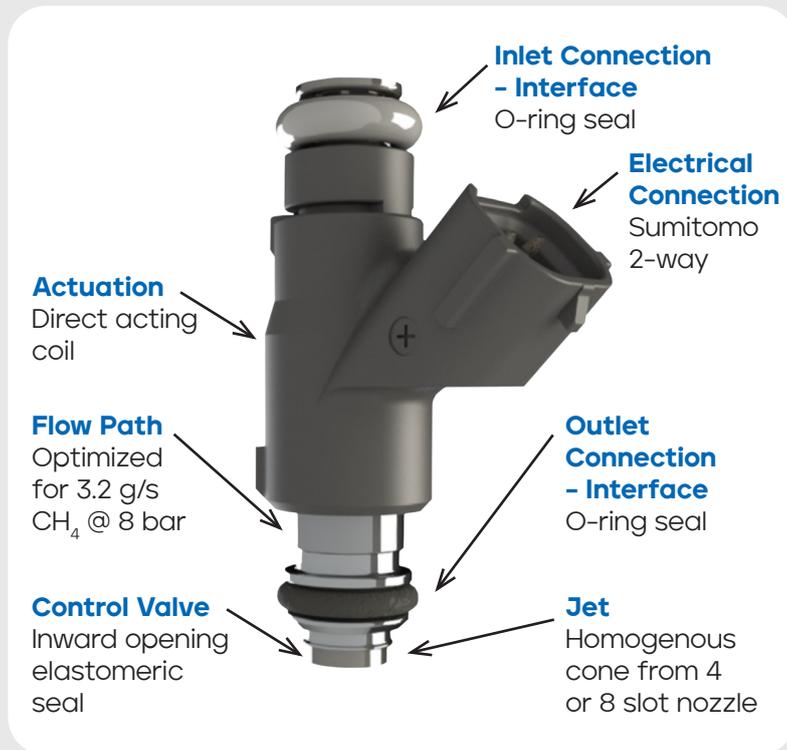
For Passengers Cars and Light Duty Commercial Vehicles



Explore our technologies

COMPRESSED NATURAL GAS INJECTOR MULTEC 3.5 CNG PFI

ECU controlled low pressure fuel injector for CNG fueled internal combustion engines



Features

- Compact injector design with high impedance coil
- Compatible with standard PFI injector packaging

Design Features

- Direct acting single coil solenoid
- Inward opening control valve
- Elastomer valve seal for good sealing performance and low noise
- Optimized internal flow path for high mass flow in compact package

Performance

- Nominal pressure range: 2 to 9 bar gauge
- Static flow range: up to 3.2 g/s CH₄ at 8 bar gauge
- Low flow design available: 0.9 g/s CH₄ at 2 bar gauge
- Compatible with low-cost saturated switch or peak and hold drivers
- Validated to 400M cycles in CNG at 9 bar gauge

Benefits

- Compatible with CNG and propane
- Injectors can be used with conventional PFI fuel rail designs
- Injector is easily adapted to existing powertrains (e.g. bi-fuel CNG + gasoline, small engines and aftermarket conversions)
- Injector is certified to European ECE R110 performance and safety standards
- Compatible with standard OBD strategies

FEATURE	MULTEC 3.5 CNG
Static Flow Options (g/s CH ₄)	0.9 (2 bar), 2.4 (8 bar), 3.2 (8 bar)
Operating Pressure (bar gauge)	Up to 9
Maximum OD (mm)	17.0 (solenoid diameter)
Tip Diameter (mm)	8.0
Solenoid Resistance (ohms)	7.6
Electrical Connector	Sumitomo PN 6189-0785