



Explore our technologies

HYDROGEN FUEL INJECTOR HIGH FLOW H₂ PFI

For Hydrogen, Light Duty Applications and Commercial Vehicles



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HYDROGEN FUEL INJECTOR HIGH FLOW H₂ PFI

ECU controlled low pressure high flow fuel injector for hydrogen internal combustion engines and fuel cells.



Features

- High flow at system pressures < 20 bar absolute
- Compact injector design with low impedance coil

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
- No external lubrication is required

Performance

- Nominal pressure range: 2 to 20 bar absolute
- Static flow range: up to 10 g/s at 15 bar gauge
- Solenoid utilizes conventional GDi drive (peak and hold with boost voltage)

Benefits

- Compatible with CNG and hydrogen gases
- Compact packaging - injector integrates into the fuel rail assembly
- Injector can be adapted to existing powertrains
- Compatible with standard OBD strategies