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HYDROGEN FUEL INJECTOR MULTEC 3.5 H₂ PFI

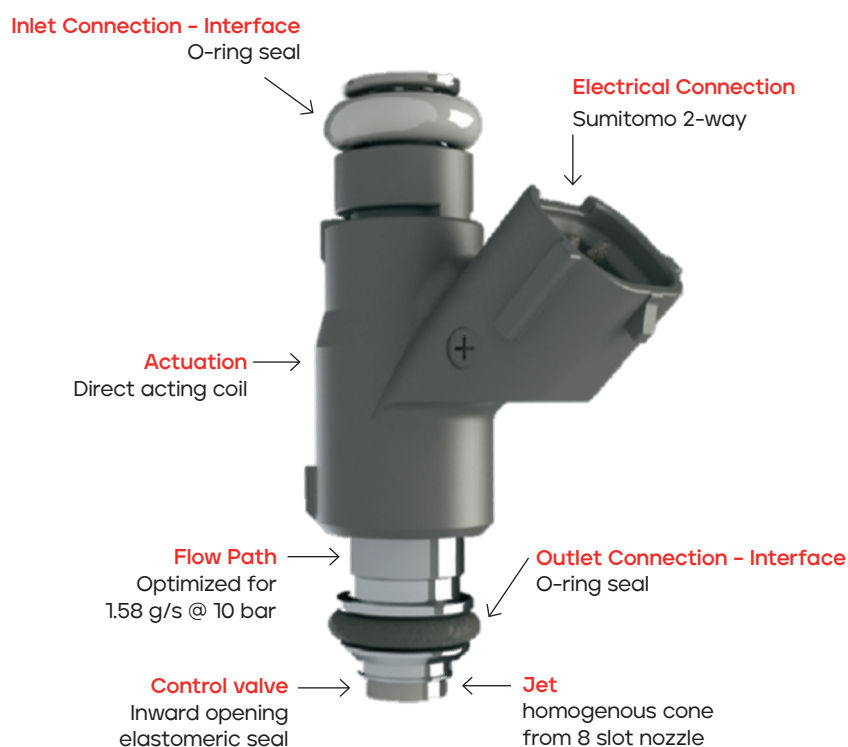
For Hydrogen, Light Duty Applications and Commercial Vehicles



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MULTEC 3.5 H₂ PFI

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



FEATURE	MULTEC 3.5 H ₂
Static flow range (g/s)	1.58 at 10bar
Operating pressure (bar gauge)	up to 10
Maximum OD (mm)	17.0 (solenoid diameter)
Tip diameter (mm)	8.0
Solenoid Resistance (ohms)	7.6
Electrical Connector	Sumitomo PN 6189-0785

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
- No external lubrication is required

Performance

- Nominal pressure range: 2 to 10bar gauge
- Static flow range: up to 1.58 g/s at 10bar gauge
- Compatible with low cost saturated switch or peak and hold drivers
- Validated to 480M cycles in fuel cell grade hydrogen

Benefits

- Compatible with CNG and hydrogen gases
- Conventional PFI fuel rail designs can be used with the injector
- Injector can be easily adapted to existing powertrains
- Injector is certified to European ECE R110 performance and safety standards
- Compatible with standard OBD strategies