

Delphi

Explore our technologies

COMMON RAIL DIESEL INJECTORS

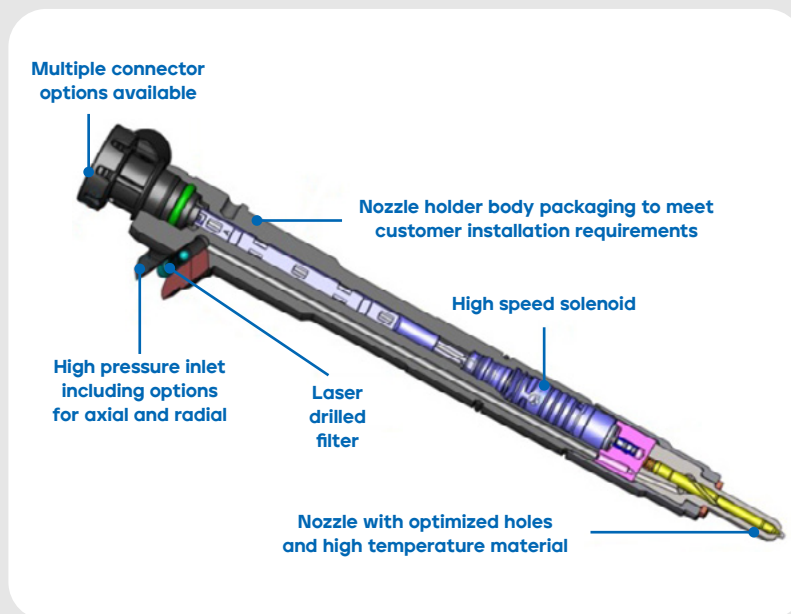
For Light Duty Vehicles



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COMMON RAIL DIESEL INJECTORS

PHINIA's DF11 family of injectors are designed for light duty diesel applications up to 175kW. Customer specific engine installation solutions can be provided due to the small size and mass of the injector and PHINIA's ability to design and manufacture customer tailored solutions.



Features

- Pressure up to 2,2000 bar
- Can be customized to suit a range of existing engine applications
- Beyond 350,000 km lifetime

Design Features

- Pressure compensated control valve for static leak reduction
- Coated valves
- Optional laser drilled inlet filter
- Optional high temperature nozzle material

Performance

- 5-10 Cd controlled nozzle holes, 0.45-0.90+ l/min @100bar
- Optimized injection rate
- Up to 9 injections per cycle
- Optimum stop and start capability with 80bar minimum injection

Benefits

- Tuneability to a range of combustion strategies, with maximum engine efficiency
- Sleeved valve technology with robustness to internal fuel deposits
- Coatings to increase erosion resistance to worldwide fuels
- Closed loop control for injection quantity