

Delphi

Explore our technologies

COMMON RAIL ASSEMBLY

For Passenger Car Diesel Fuel Systems

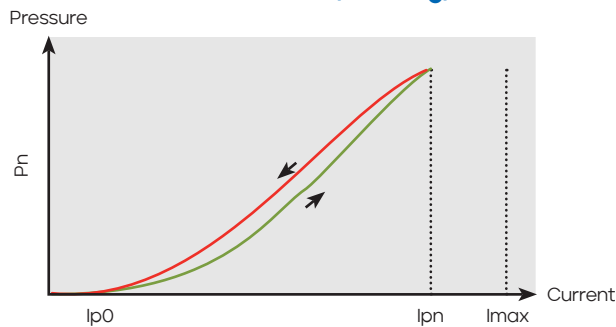


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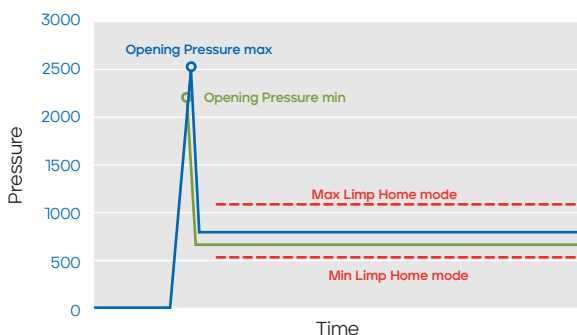
COMMON RAIL ASSEMBLY

Versatile product portfolio to cover diesel engine range from 1,800–2,700bar applications

High Pressure Valve Characteristic Curve (Venting)



Limp Home Pressure Regulating Valve Characteristic Curve



Features & Benefits

- Single monolithic forged rail body design and flexible product configuration based on customer needs for different rail body coatings, high & low pressure connection interfaces
- Directly Microdrilled damping orifices for calibrated flow
- Ability to meet customer specific requirements for Venting High Pressure Solenoid valve, Mechanical Pressure Limiting Valve (Std / Limp home) & High Pressure Sensor (Single /Dual output) with various electrical connector options for 2,500+ bar systems

Performance

- Fatigue reliability validated for infinite life for 3000 bar systems, functional reliability validated up to 300k km with B1 reliability
- In serial production for V6/V8 PC/ Marine applications at 2,500 bar system pressure since 2017