



BOSCH
Invented for life

Unit pump system and unit injector system

Robust quality for efficient consumption



Powertrain systems and electrified mobility



A well-coordinated team under high pressure



up to
20,000 h

of reliable operation due to robust
system design

up to
1,800 bar

injection pressure for efficient combustion

- ▶ The unit pump injection system (UPS) injects the fuel mixture into the engine cylinder. It consists of an electronically controlled unit pump and nozzle holder assemblies connected via a precisely adapted high-pressure line.
- ▶ The nozzle holder assembly is selected to match the delivery rate, spray form and injection pressure.
- ▶ The unit injector system (UIS) is a nozzle holder assembly with integrated high-pressure pump.
- ▶ Robust unit pump systems and unit injector systems ensure maximum power output, save fuel and can reduce emissions when combined with efficient exhaust-gas treatment.