



LOW EMISSION – LOW FUEL CON-
SUMPTION: COMMON-RAIL SYSTEMS
FOR DIESEL AND HEAVY FUEL OIL

LEADING ENGINE MANUFACTURERS WORLDWIDE PLACE THEIR TRUST IN OUR EXPERTISE

High-quality engines increasingly rely on common-rail fuel injection. The main benefit of this injection type is that fuel can be injected into the combustion chamber at any desired pressure and that the injection can be timed to the microsecond, independently of the engine's operating cycle. Due to our modular design, we are able to offer our common-rail systems for the most varied engine types. We provide common-rail systems for engine sizes from 100 to 3,920 kW/cylinder. The systems are suitable for heavy fuel oil and diesel.

Our customers trust in our outstanding expertise in design, development and serial production processes.



REDUCED EXHAUST AND NOISE EMISSIONS,
LOWER FUEL CONSUMPTION, OUTSTANDING
RELIABILITY AND DURABILITY ARE THE RESULT
OF OUR DEVELOPMENT EXPERTISE.



THE COMPONENTS:

PUMPS

- 2 or 4 cylinder inline pumps
- Up to 30 l/min fuel output
- Pressures up to 2,500 bar

RAILS

- Classic rails for fuel storage under high pressure
- Mini rails as component carriers or distributor lines
- Jumperline distribution system

INJECTORS

- Solenoid operated
- Multiple injection capabilities (pre, main and post injection)
- Time-controlled injection
- Integrated accumulator, optional
- Optimized spray hole configuration for best results regarding emissions and fuel consumption

SAFETY / ADD-ON COMPONENTS:

- Pressure-limiting safety valve assures maximum pressure limit
- Flow-limiting valves prevents unintentional fuel outflow or overfuelling
- Spill valves flush system during short engine shutdowns
- Pressure relief valves for emergency engine stop and fast system pressure relief

YOUR BENEFITS:

- Reduced exhaust and noise emissions
- Lower fuel consumption
- Robust design to reach highest service life expectations
- One supplier for all components
- High precision and reliable products
- Technical support from concept development to aftersales service
- Leading engine manufacturers (OEM) trust in our products



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