

Economical. Powerful. Reliable.



Current Challenges in Operation of MPI Valves

Product Introduction LE Gas Admission Valves



LEGV 50,
side feed



LEGV 400,
coaxial feed

Main Features

- ▶ Cylinder-individual gas admission (MPI) for SI & DF engines
- ▶ Modular design
- ▶ Compatibility with existing solutions
- ▶ High robustness and safety standard (e.g.: Gas tight solenoid,..)

Main Benefits *

- ▶ **High-precision gas admission** to each cylinder in gas and dual-fuel engines
- ▶ Modular gas valve design allows **adaptation to engine specific flow rates**
- ▶ **Low Internal leakage < 0.1 % of steady flow over the whole lifetime**
- ▶ **High lifetime of up to 720 mill. load-cycles**, which corresponds to approx. 16,000 h @ 1500rpm
- ▶ High quality and reliability
- ▶ **Opening/closing time: < 2 ms**
- ▶ Protection acc. ATEX directive

Facts and figures

- ▶ SOP in 2020
- ▶ Cylinder-individual gas admission (MPI) for SI & DF engines

* values depending on gas quality, valve version, valve size, differential pressure and engine application