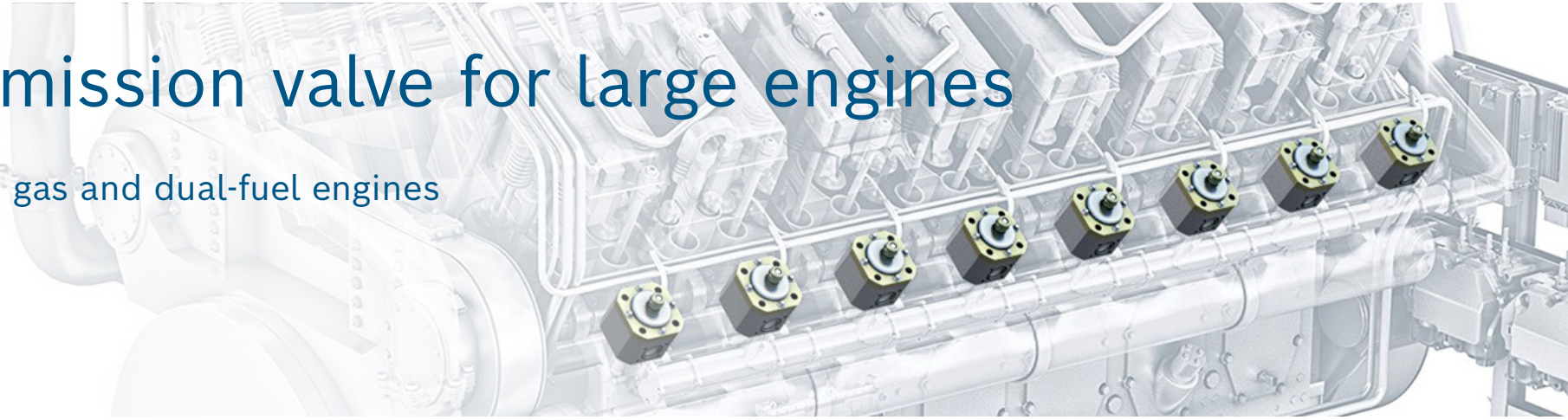
Gas admission valve for large engines



For the use in gas and dual-fuel engines





- The gas admission valve (LEGV) meters gas into the intake manifold on the engine
- The high homogeneity of the gas/air mixture is decisive for optimal combustion. Selecting the right valve size and flow rate are crucial in achieving a high degree of homogeneity
- Gas admission valve LEGV 400 has a geometric cross-section of 400 mm² and generates up to 500 kW of power per cylinder
- It is qualified for different gaseous fuels as natural gas, e,- bio-methane, hydrogen and ammonia

Flexible
valve size
for different flow rates and customer interfaces

Up to
24,000 h
of reliable operation at a speed of 1,000 rpm

BOSCH

Alternative fuel injector for large engines

Flexible concept for a wide range of applications

- The AFI-LP low-pressure injector is based on a modular concept and can be used for both technologies, multipoint injection and low-pressure direct injection
- The injector offers direct injection (DI) for high power density
- It is also capable of multipoint injection (MPI) for fast market implementation and retrofit solutions with methanol
- The concept is designed to enable operation with different e- and biofuels: Hydrogen, methanol, methane or ammonia, gaseous or liquid
- It can be used for high-speed and medium-speed engines

MPI and DI capability

Multipoint injection and low-pressure direct injection

Multi-fuel capability

Hydrogen, methanol, e- and bio-methane or ammonia