In developing the new gas admission valve (LEGV), Bosch has added gas fuel to its fuel injection options and extended its product portfolio for large engines.

The LEGV meters gas into the intake manifold on the engine with extreme precision and ensures that the air and gas are mixed extremely well. 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.

High-precision gas metering for each cylinder

flexible valve sizes

for different flow rates

up to 24,000 h

of reliable operation at a speed of 1,000 rpm