

# MEGASOL 1000

## DATA SHEET

### Description

MEGASOL 1000 (**M**etering of **G**as by **S**olenoid) is an electrically actuated gas valve for gas injection in manifold. Each cylinder requires one MEGASOL 1000. The MEGASOL 1000 ensures proper gas quantity for each cylinder and allows a gas flow compensation cylinder to cylinder.

The HEINZMANN MEGASOL 1000 is capable to work with higher pressure drop between air and gas due to its state of the art flow dynamic design. Therefore, the gas pressure has less effect on opening and closing duration and there is no delay due to it. MEGASOL 1000 is designed for both, gas engines and dual fuel engines. It is easy to maintain, since its heavy duty construction includes few components that makes it easy to assemble.



### Features

Very fast reacting gas valve

Short opening and closing duration

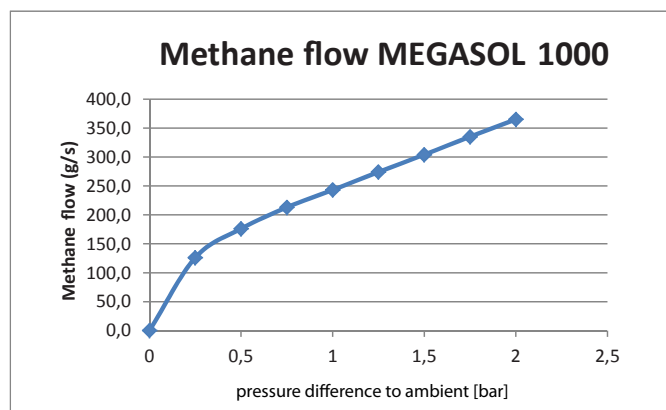
Low gas pressure generated opening delay

Reduced pressure drop across the valve due to enhanced flow dynamic design

Very low leakage when closed

### Field of application

The flow of the MEGASOL 1000 shown in the figure on the left is given for methane for different drops of pressure between gas valve inlet and outlet. The outlet pressure is 1 bar (see table).



### Technical Data

Response time 0 ... 100 % open after signal on	< 4 ms
Response time 100 ... 0 % open after signal on	< 4 ms
Supply Voltage	48 ... 110 V
Leakage	< 0.25 % of opened valve flow
Max. gas pressure (absolute)	8.5 bar
Max. air pressure (absolute)	6 bar
Max. pressure drop (opening possible)	2.5 bar
Operation pressure drop	1 ... 1.5 bar
Flow rate (Z-Value)	250
Filtration required	5 µm
Operation temperature	-20 ... 105 °C

