

INGLESE

e-G@S[®]

SISTEMI DI ALIMENTAZIONE METANO E GPL



SEQUENTIAL INJECTION SYSTEM

The electronic system acquires the engine data of the vehicle in any operating condition, guaranteeing emission control and maintaining, in the meantime, unaltered driveability and performance. The presence of innovative and functional electronics in the control unit of the Sly-Injection KIT means reducing to a minimum the time for calibration of the vehicle, thanks also to fewer electrical connections to be performed in the installation phase of the KIT.

It is, in fact, absolutely unnecessary to take any signal from the ECU of the car, thus putting an end to difficulties that usually arise in this phase of installation with the other systems currently on the market. The Sly KIT-Injection is a unique product and requires only two electrical connections: positive and negative battery. Thanks to the innovative wiring in the KIT (LPG/METHANE) the connections with other components are performed via specific "foolproof" automotive connectors, allowing even the least experienced operator to perform the electrical installation on any vehicle.

Summary of characteristics:

No lambda emulation.

Excellent for EURO 3 and EURO 4 engines.

Vast range of engines from 2 to 8 cylinders with a single control unit

Intelligent, easy to maintain and install.



SETTING

The setting of the vehicle can be performed via personal computer using a specific calibration program or with a specific e-G@S Pocket PC that can also be used as an EOBD tester, combining two fundamental characteristics for the installer: that of a universal diagnostic tool as well as a calibration tool for the e-G@S system.

RM10 METHANE PRESSURE REDUCER

The RM10 pressure reducer for methane gas was designed for use in the Sly-Injection injection system.

The working pressure is adjustable and may vary 0.6 bar to 1.8 bar (8.7 to 26.1 psi) ensuring, in all operating conditions of the engine, the correct supply pressure.

Constant and reliable operation is obtained through a sophisticated piston balancing system with a single reduction stage for the whole range of variability of entry pressure, from about 200 bar [2900 psi] (gas cylinders full) to 0 bar [0 psi] (gas cylinders empty).

The advantages that derive are important: reduction of load losses, consequent increase in methane capacity and related improvement in engine power supply at high rpm.

Engine cooling system water circulates inside the pressure reducer to allow the correct operating temperature in all working conditions.

The small dimensions and the compact form facilitate installation in engine bays where space is limited. The RM10 pressure reducer is able to fuel engines up to 130 Kw (c. 170 hp).



In brief:

Reduction gear with only one membrane stage for pressure reduction

Piston balancing on the A.P. lever.

Exit pressure of methane is adjustable from 0.6 to 1.8 bar.

Internal circulation of the cooling liquid of the engine to allow thermal exchange with the gas.

Temperature sensor incorporated.

Can fuel engines with power up to 130 Kw.



RG10 LPG VAPORIZER/REDUCER

The RG10 vaporizer/reducer was designed for use in the Sty-Injection injection system.

The particular forms and the geometry of the internal canalizations allow effective thermal exchange, permitting it to fuel high power engines and guaranteeing outlet gas temperature stability.

The LPG, which moves along a coil encased directly in the body of the vaporizer, changes from liquid state to gaseous state before pressure reduction, thus guaranteeing a continuous and stable exit flow.

The viton seals of the vaporizer/reducer, working with gas entirely in the gaseous state and at temperatures superior to 0°C (32°F), allow a notable reduction in maintenance costs and are subject, over time, to less deterioration.

The working pressure may vary from 0.6 bar to 1.8 bar (8.7 to 26.1 psi) ensuring, in all operating conditions of the engine, the correct supply pressure.

The small dimensions and the compact form facilitate installation in engine bays where space is limited. The RG10 vaporizer/reducer is able to fuel engines up to 150 Kw (c.200 hp).



In brief:

Reduction gear with only one membrane stage for pressure reduction.

Heating and gasification of the LPG through a coil in the casing before the high pressure valve.

Exit pressure of the LPG is adjustable from 0.6 to 1.8 bar.

Internal circulation of the cooling liquid of the engine to allow thermal exchange with the gas.

Temperature sensor incorporated.

Can fuel engines with power up to 150 Kw

THE COMPANY

E-G@S s.r.l., established in 2001, is the product of the experience acquired in around forty years in the alternative fuels sector and offers the market a complete range of innovative products.

The technology developed in the construction of new generations of engines, the evolution of materials used by constructors, restrictions on limits imposed by pollution emission regulations have lead, over the last few years, to a significant revolution in the LPG and methane sector.

The use of microprocessors in the development of control units has lead to the birth of injection systems that allow us to install systems even for these new generation engines.

Our objective is to be on the cutting edge in the design and construction of technologically advanced systems; for this reason we have created an internal research and development division specialized in designing software and hardware destined to satisfy current and future requirements.

1960

Florgas began activity with the first real LPG service station in the province of ROVIGO (Italy).

1967

Florgas was listed at the Chamber of Commerce as a garage specialized in the installation of LPG systems and following this, in 1971, in methane systems.

1991

Florgas provides consultancy for the development of the ECOGAS 2000 digital system for lambda control, developed entirely in Italy and better known as ECOGAS.

1994

Florgas and SNAM collaborate on the production of a 344,7 km/h methane system. Trials on the circuit in Nardò (ITALY).

1995

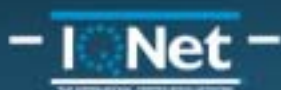
Florgas provides consultancy for SEIMA ELETTRONICA for the development of a continuous flow system for LPG.

2001

E-G@S is founded thanks to the collaboration and technical experience of Florgas, with the intention of developing injection systems for LPG and methane for the world market.

e-G@S®

PRODUZIONE E VENDITA
SISTEMI DI ALIMENTAZIONE METANO E GPL



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