

SEQUENTIAL GAS INJECTION SYSTEMS:

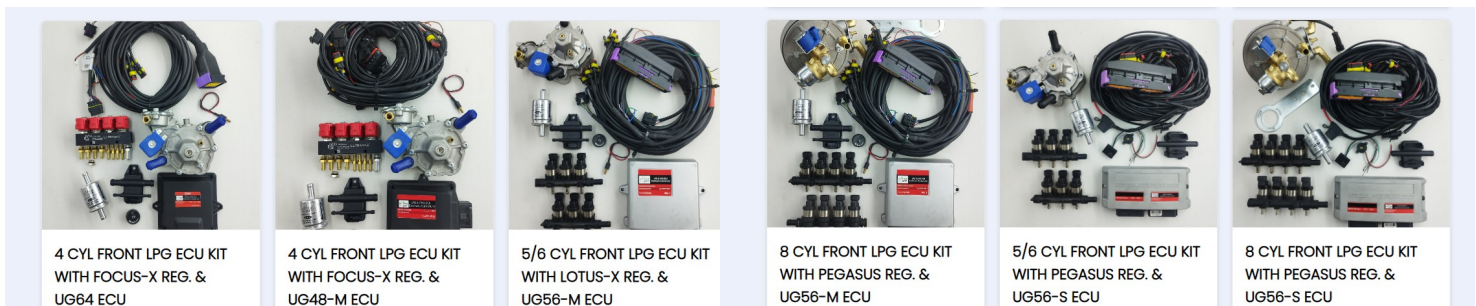
It is the latest point reached in LPG conversion. The difference from other LPG conversion systems, particularly sequential systems, lies in the fact that the LPG system is controlled by an ECU (Electronic Control Unit) similar to the one found in petrol cars. The ECU calculates the amount and timing of gas to be sent to each cylinder for injection. Our kits are available for vehicles ranging from 3-cylinder to 8-cylinder turbo engines.

- Full kit for gas systems
- Mini kit for gas Systems
- Electronic Control Units (ECU) SETS
- Electronical Control Units (ECU) for 4/6/8 Cyl. with or without OBD



1. **ECU Design by Experts:** Ultragas ECUs PCB cards and softwares were designed by engineers in automotive industry.
2. **Proven Record:** With ULTRAGAS brand ECUs and components, thousands of vehicles globally are running for over 20 years as a live evidence of trust.
3. **Automotive-Specific Components:** In all ECU's Specifically selected components used all in compliance with automotive standards. This success is a result of the harmonious blend of quality, software, design, and calibration with automotive focused components.
4. **Vehicle Calibration Expertise:** Our electronic products not only guarantee accurate adjustment and control but also ensure long-lasting and impressive vehicle performance through easy calibration.
5. **Advanced ECU Functionality:** Our enhanced Electronic Control Units (ECU) autonomously adjust, eliminating malfunction indicator lamp issues in installed vehicles.
6. **Compatibility with High-Power Engines:** Especially tailored for 5, 6, and 8-cylinder high-performance vehicles.
7. **Integration with OBD II Kits:** Achieved perfection with OBD II kits that impeccably synchronize with vehicles.
8. **Mixture Adjustment** Compatible with Group Injection Vehicles
9. **Automatic Calibration** for Additional Injectors,
10. **Fuel Enrichment Adjustment** during Acceleration,
11. **Compatible with Vehicles** with Weak Signal at Low Revolutions

- Wiring Harness
- MAP Sensors
- Changeover switch gas-petrol for gas injection
- Interface cable



COMPONENTS FOR GAS INJECTION SYSTEMS:

• **LPG Regulators**

Ultragas Regulators or called as vaporizers provides **the best heating** environment necessary to **vaporize** the liquid LPG coming from the tank and marvelously **adjusts the pressure** of the LPG in gaseous form according to the pressure in the manifold (throttle valve). In addition, thanks to our **temperature sensor** on the regulator, it determines the temperature the vehicle needs to reach to transition to gas, ensuring communication with the ECU.

We have a variety of different structure and capacity regulators like **Arda Regulator** or (**Monza, Focus, Lotus**) same family, **Tiger/Liger** our new design compact and powerful Regulators as well as **Pegasus Regulators** which has a very high capacity.

Advantages:

- 1- Continuous high-level vaporization,
- 2- Adjustable pressure,
- 3- Temperature Sensor,
- 4- Pressure Relief Valve



PEGASUS LPG REGULATOR ARDA X LPG REGULATOR LIGER X LPG REGULATOR TIGER X LPG REGULATOR FOCUS X BLACK LPG REGULATOR Monza X LPG REGULATOR

• **Injectors** Ultragas Injectors provides excellent performance with **rapid opening and closing** in changing pressures. Its individual mountability and the **practical** and **quick** assembly of injector nozzles offer significant advantages during conversions. The **cleanability** feature ensures the long-term preservation of your investment. It comes with a 100,000 km **warranty**.



APOLLO 2 CYLINDER INJECTOR APOLLO 3 CYLINDER INJECTOR APOLLO 4 CYLINDER INJECTOR VEGA 3 CYLINDER INJECTOR Brand: ULTRAGAS VEGA 4 CYLINDER INJECTOR Brand: ULTRAGAS SOLARIS 4 CYLINDER INJECTOR SIRIUS SINGLE INJECTOR ASTRO SINGLE INJECTOR

LPG COMPONENTS FOR TRADITIONAL LPG/CNG SYSTEMS:

• **LPG Regulators for Traditional Gas Systems**

Customers' needs are best met with **Orion** and **Draco Regulators (Vaporizers)** in 3 three different capacities. Their highly specific design allows for easy installation in any position on the engine. The special diaphragm used in production maximizes fuel efficiency and extends the lifespan of the regulators.

Usage: They are used in **single-point injection, catalytic converter-equipped, and carbureted vehicles**.
Maximum inlet pressure: 45 bar First-stage regulation pressure: 0.6 bar Coil power: 14 watts



DRACO T1 LPG REGULATOR ORION L2 LPG REGULATOR ORION-L1-SUPER-PL LPG REGULATOR ORION L1 LPG REGULATOR

• **Electronics for traditional gas Systems**

Emulators: This unit operates in motor gas mode by controlling the flow of petrol and the duality of the engine. It sends signals to control units based on the mode in which the engine is running, informing other control units.

Switch : It is a switch mounted in the driver's compartment with options for operating and idling with gasoline or LPG. It enables the **transition from gasoline to LPG or from LPG to gasoline, displays** the gas (liquid LPG) level in the LPG tank, and ensures that the gasoline or gas valve remains closed when needed



REAR KIT (MULTI-VALVES AND ACCESSORIES):

- Multivalves
- Gas Tight Housing and covers
- Repair parts for multivalve

When the vehicle stops or in the event of an accident, the ELECTRONIC CONTROL UNIT automatically closes the solenoid valve in the multivalve unit, the gas valve on the vaporizer, and the injectors. Additionally, on the multivalve on the LPG tank, there is a SAFETY VALVE that opens at 26 bars, melts at 120°C during a fire, releases the gas, and prevents an explosion, along with a THERMAL FUSE. In the event of a breakage in the pipe leading from the tank to the front during an accident, an OVERCURRENT VALVE is present, cutting off the gas flow.

Our multivalves have successfully passed BON FIRE tests conducted with a flame at 600°C with a full LPG tank.

PIPES AND HOSES:

- Thermoplastic pipes and fittings
- Copper/Aluminum pipes for LPG
- Hoses for gas systems
- Connectors for thermoplastic pipe



CHARGING DEVICES:

- Standard filling points for LPG
- Filling point for gasoline door mounting
- Adapters

ADAPTERS:

- T connectors for coolant
- Power Adapters (1 or 2 outputs)

FASTENERS LPG/CNG:

- Brackets (clamps)
- Tapes for tank and fortification
- Cable ties
- Cable boots

SOLENOID VALVES:

- **For LPG :**
- It is an electromagnetic-controlled valve located between the LPG tank and the vaporizer (regulator). It cuts off the LPG flow when the engine is not running or when operating with gasoline.
- **For Gasoline**
- It is an electromagnetic valve placed between the gasoline automatic and the carburetor, responsible for enabling or cutting off the flow of gasoline.

FILTERS

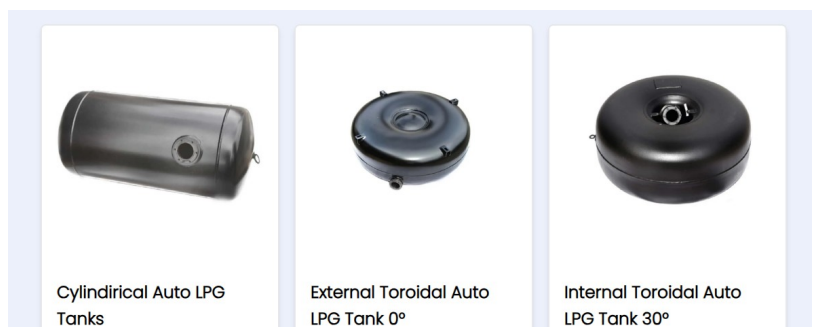
VALVE SAVER KITS AND LUBRICATION OIL

REPAIR KITS:

- Injection reducer repair kits for LPG
- Injection reducer repair kits for CNG
- Gas injector repair kits
- Valve and reducer repair kits
- Water elbows and gas outlets for reducers
- O-rings
- Nozzles and adapters for injectors

LPG TANKS

- Cylindrical Type
- Internal Toroidal
- External Toroidal



Cylindrical Auto LPG Tanks

External Toroidal Auto LPG Tank 0°

Internal Toroidal Auto LPG Tank 30°