

# LONG-DISTANCE

Controller LPG/CNG for Diesel engines.  
Economic solution for long-distance travelers.



## STAG DIESEL

Controller provides with precise gas dosing based on the current needs of the engine.



**STAG**  
autogas systems

## Additional savings

**STAG DIESEL**

STAG Diesel is an alternative fueling system for 2-16 cylinder diesel engines. The whole system has been based on latest technical solutions that allow simultaneous diesel and gas fueling. Installation of the STAG Diesel system does not prevent driving only on diesel, as our solution does not require interference with internal engine parts.

The controller is able to manage the dosing of both fuels to the running engine in an intelligent way, thanks to the readings of sensors, e.g. oxygen sensor and exhaust temperature probe.

An advanced algorithm of sequential injection and the innovative system of auto-adaptation ensure the correct fuel ratios within the entire working range of the engine, therefore, the user can quickly observe significant economic benefits.

Dual-fuel systems in LPG/diesel or CNG/diesel configuration make it possible to use the energy in diesel that has not been used before. The raised efficiency of diesel combustion enables the engine power to increase by up to 20% with lower use costs and improved performance at the same time.



## Key features of STAG Diesel controllers

**STAG DIESEL**

- ✓ operation with diesel engines up to 8 cylinders in a sequential mode,
- ✓ operation with diesel engines up to 16 cylinders in a full group mode,
- ✓ LPG or CNG postinjection option,
- ✓ advanced algorithm for sequential gas injection,
- ✓ precise gas fuel dosing based on the current engine demand, exact measurement of diesel volume directly from the injectors ensures maximum savings,
- ✓ extended algorithm for engine protection,
- ✓ controlled exhaust gas temperature for improved safety of the drive unit,
- ✓ use of the readings of a wide-band oxygen sensor, control of air-to-fuel rate with an independent wide-band oxygen sensor dedicated to diesel engines (optional installation for engines without factory-mounted sensors),
- ✓ support for cars provided with cruise control,
- ✓ support for electronic Petrol/Gas switch type LED401.



## Competitive edge

**STAG DIESEL**

- ✓ support for sequential gas injection,
- ✓ modifications of gas injection sequence,
- ✓ measurement and control of the amount of injected diesel,
- ✓ collection of data from a wide-range oxygen sensor installed in the car by the manufacturer,
- ✓ control of air-to-fuel rate by an independent wide-band oxygen sensor,
- ✓ no reduction in power after conversion,
- ✓ providing fuel cost savings even under maximum engine load,
- ✓ auto-adaptation system.



## Benefits for drivers

**STAG DIESEL**

- ✓ no impact on engine operation with active postinjection,
- ✓ smooth switching of the system,
- ✓ savings within the entire engine load range,
- ✓ protection of engine components,
- ✓ increased efficiency of diesel combustion.



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