



Product
CATALOGUE
2016



EuropeGAS

The company was founded in Białystok where the headquarters, manufacturing plant and R&D department are located. We engage in designing and manufacturing LPG/CNG systems for petrol-fuelled and Diesel-fuelled engines, with the systems featuring such components as: electronic gas injection controllers, reducers, injectors, filters, MAP sensors, thermoplastic tubes as well as other accessories used for vehicle's LPG/CNG conversion process.



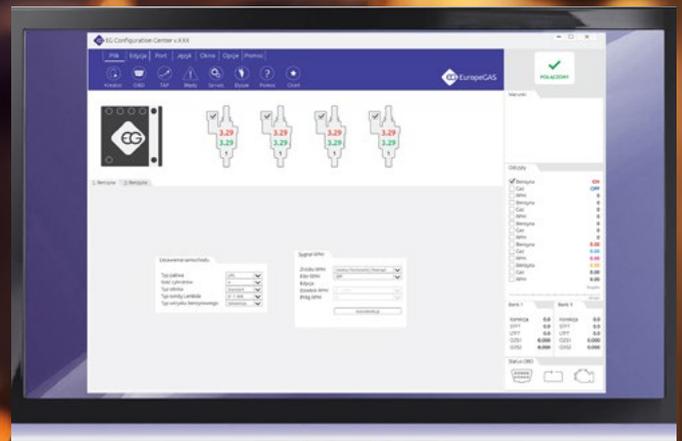
EuropePLAST

Our headquarter is located in the Park of Science and technology in Etł. Here, with other innovative companies of the region we develop and implement new solutions in the field of high-pressure synthetic wires. Flexibility and high strength make our wire perfectly replace copper wires.



LPG/CNG systems manufacturer

Economy and eco-friendliness are features that auto gas fuel systems are usually described with. As a manufacturer of FRONT KITS, we can easily add to that reliability, robustness and safety, ensured by our engineers on all stages: from the idea through deployment to end-user experience.



Experience on the LPG/CNG market

We pay a great deal of attention to user experience, specifically in workshops where quick, simple and intuitive assembly is of utmost importance. The way our products are designed, including the firmware and accessories, makes it possible to achieve higher standards when fitting our LPG/CNG systems. The software running in our controllers is automatically updated via the Internet, giving workshops access to its latest version.



Research & Development

EuropeGAS team not only has wide knowledge and experience, but also hi-tech production machines, advanced laboratory responsible for studies and development, and fully equipped garage where all the LPG/CNG testing and conversion are made.



Quality

Operating on the automotive market, we set the highest quality and innovation standards with our solutions. LPG/CNG systems, as fitted in vehicles, operate in harsh conditions and are subject to the same loads as factory-fitted systems. Hence, EuropeGAS products pass tests being more stringent than those required for homologation.

EuropeGAS complete installation set

EG SUPERIOR 48

EG SUPERIOR is the most technologically advanced line of EG controllers. It is the effect of longstanding observations, experiences and studies made by EuropeGAS Research&Development Department.

EG SPINNER

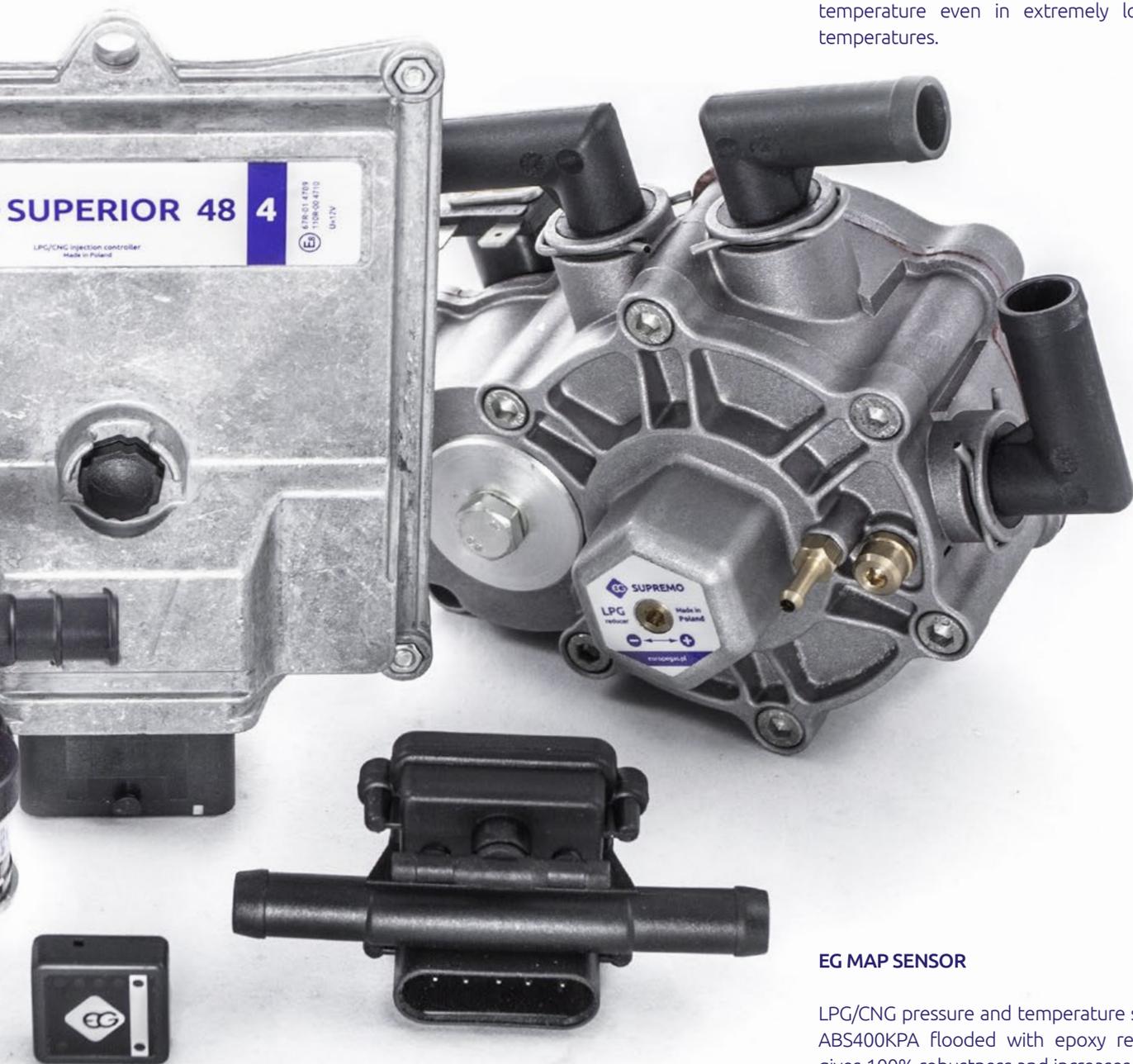
EG Spinner is an innovative gaseous phase filter with an universal replacement cartridge. The system of DSF – Double Spin Force provides even better efficiency to separate oil fractions and other particulars. Rotative nozzles allow to mount the filter anywhere inside the engine compartment. The set includes mounting bracket.



NEW

EG2000

LPG/CNG injector EG2000 are solenoid valve-shaped fuel injectors. High quality of each injector and 1,9 Ohm coil guarantees that gas is being dosed with high precision and repeatability in every injection cycle. Replaceable pre-calibrated nozzles allow to adjust the flow of the injector which enables to use it in various engines with wide range of generated power.



EG SUPREMO

EG SUPREMO reducer is designed for the cars with high power engines. Cut-Off Block System eliminates gas overgrowth effect during engine braking. Its design provides appropriate gas temperature even in extremely low outside temperatures.

EG MAP SENSOR

LPG/CNG pressure and temperature sensor type ABS400KPA flooded with epoxy resins, which gives 100% robustness and increases mechanical vibration and overload strenght.

EG SWITCH

Fuel changeover switch located inside the vehicle's cabin allows fuel type change anytime. LEDs located on its top part informs end user about amount of fuel left in the tank.

Innovative



EuropeGAS controllers comparison	EG BASICO 24.4	EG AVANCE 32.4 / 48.4 / 48.6 / 48.8	EG SUPERIOR 48.4
External dimensions [mm]	110x91x32	120x99x36 / 124x150x38	124x150x38
Connector [PIN]	24	32 / 48	48
Housing	Composite	Composite / Aluminum	Aluminum
Number of cylinders supported	4	4 / 6 / 8	4
Possible to connect to lambda sensor(s)	0	1 / 2	2
Automatic software updates	•	•	•
Remining of installation service inspection	•	•	•
Bluetooth and WiFi connection supported	•	•	•
Active Diagram Mode-interactive calibration mode	•	•	•
Automated tuning by pressing the switch buton without need of establishing connection with the PC	•	•	•
Automatic adaptation of multiplier	•	•	•
Calibration assistant	•	•	•
Sound signaling when system errors occur	•	•	•
Continuous maps collection	•	•	•
No need for connecting the RPM wires	•	•	•
Incorporated Remote Support assistant	•	•	•
No need for connecting the +12V ignition key wire	•	–	–
Optimized extra petrol injection	–	•	•
Ability to lock ECU after a certain period of use	–	•	•
Disengagement control of the fuel pump as a function of time	–	•	•
Engine load test (road dyno, measuring power and torque)	–	•	•
Programmable change of the injectors order	–	•	•
Oscilloscope of petrol and gas injection signals	–	•	•
Start&Stop system supported	–	•	•
Valvetronik system supported	–	•	•
OBD protocols autodetection	–	•	•
Automated OBD errors erasing	–	•	•
Fast changeover to LPG/CNG	–	•	•
Customizable function of holding the button	–	•	•
Automated forced start on gas	–	•	•
Pre-heating of LPG/CNG injectors	–	•	•
Built-in Timing Advance Processor	–	–	•

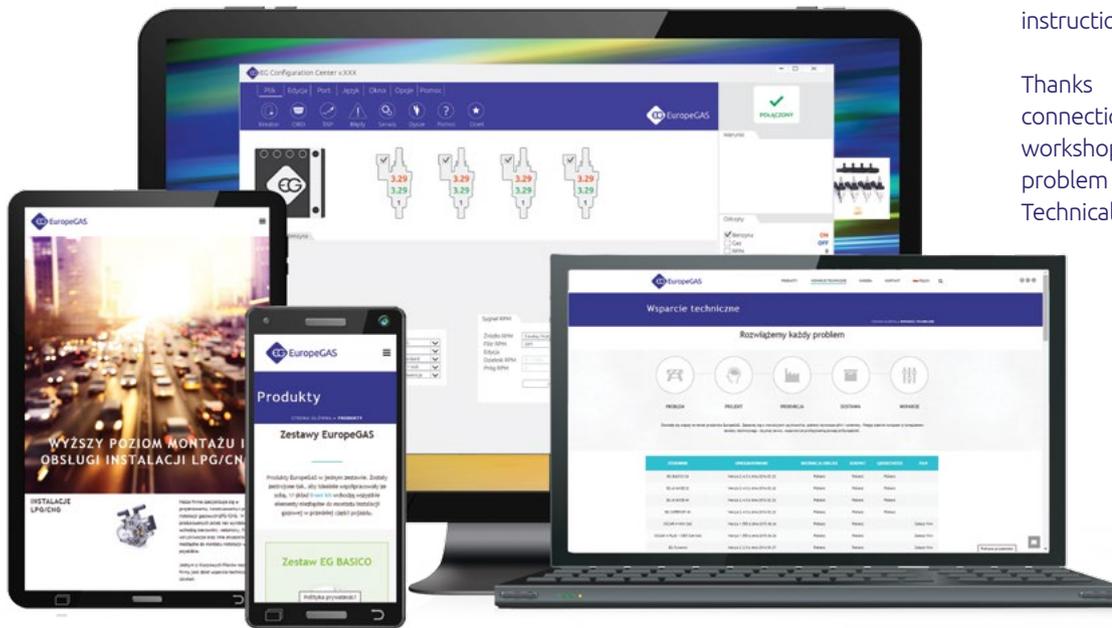
Stay updated!

Totally new EG Configuration Center. Intuitive user interface ensures trouble-free use of improvements introduced especially for You.

VISIT OUR WEBSITE!

In Technical Support bookmark You will find everything You need: connection diagrams, software and instructions.

Thanks to remote Internet connection with computer in the workshop, even the most complex problem will be solved by our Technical Support engineer.



Be mobile!



EG MOVI



Application for the diagnosis of LPG/CNG systems made by EuropeGAS. Works with EG BASICO 24, EG AVANCE 32, EG AVANCE 48 and EG SUPERIOR 48 controllers.



Stable



EuropeGAS reducers comparison	EG PREMIO	EG SUPREMO	EG METANO
Power	up to 170 HP	up to 330 HP	up to 200 HP
Reducer integrated with solenoid valve	•	•	•
LPG liquid phase heating	–	•	–
LPG volatile phase chamber heating	•	•	–
Filter chamber heating	–	•	–
Universal filter cartridge	•	•	–
Working pressure range	0,9 – 1,3 bar	0,9 – 1,3 bar	1,3 – 2,2 bar
Gas inlet	ø6 thread M10x1	ø8 thread M12x1	ø6 thread M12x1
Gas outlet	ø12	ø16	ø12
Intake manifold pressure nozzle	ø4	ø4	ø5
Heating liquid elbows	ø16	ø16	ø8
Rotary connection elbows	•	•	–
Integrated 4k7 temperature sensor	thread M6	thread M6	thread M5
Casing made of aluminium die cast	•	•	•

Efficient



EuropeGAS injectors comparison	EG 2000	EG RAILGAS
Static flow rate, nozzle diameter 3 mm (at 1,2 bar)	100 l/min	100 l/min
Max. working pressure	4,5 bar	4,5 bar
Operating voltage range	12V	12V
Working temperature	-40 ÷ 120 °C	-40 ÷ 120 °C
Connector	AMP Superseal 282080-1	AMP Superseal 282080-1
Opening time	< 2,1 ms	2,7 ms / 3,15 ms
Closing time	< 1,3 ms	2,4 ms
Coil resistance	1,9 ±5% Ω	2,0 ±5% / 3,0 ±5% Ω
Outlet gas fitting	Calibrated nozzle ø6	thread M8x1, calibrated nozzle ø6
Effective flow rate	12 - 45 HP	10 - 32 HP
Version	for single assembly and on 3 cyl. or 4 cyl. fuel rail	rail 3 cyl. or 4 cyl.
Calibrated nozzle	3 nozzle sizes 1,9 mm; 2,1 mm; 2,4 mm	1,5 mm nozzles for drilling

do Diesel-gas conversion

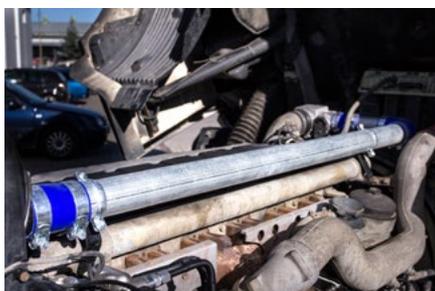


After diesel-gas You maintain:

- ✓ Huge savings in diesel costs
- ✓ The original engine driving parameters
- ✓ Motor life durability

EG DIESEL

CNG in diesel engine is a supplementary fuel. It means, that gas do not fully replaces of Diesel, like in gasoline engines which may run only on gas. System developed for diesel engines to reduce the fuel costs. It is achieved through partial replacement of Diesel fuel with CNG.





EG FLEX

High pressure synthetic hose EG Flex with couplings is dedicated for usage in automotive LPG systems as the equivalent of traditional copper pipe.

Available couplings D6 or D8:
180°, 135°, 90°

Available diameters:
D6 (5,0 mm / 9,6 mm)
D8 (6,5 mm / 12,2 mm)



EG DYNAMIC

Timing Advance Processor.

- » Optimize the engine power and improve the dynamics of its work.
- » It is scanning, learning and supporting crankshaft and camshaft signals shifting for various engines.
- » Dynamic change of the ignition angle, depending on the: engine speed, the TPS position, and the MAP signal values simultaneously.
- » Supports one inductive sensor and up to two digital sensors.



EG SPINNER

Innovative gaseous phase filter with an universal replacement cartridge.

- » Polyester filter.
- » 99% filtration efficiency for particles of 1µm.
- » Max. pressure range: 4,5 bars.
- » Temperature range: -40°C to +120°C.
- » Rotative nozzles: ø12 or ø16.
- » Filter size: 100 x 80 x 80 mm.



EG HLS

Contactless gas level indicator with a linear voltage output (Hall effect sensor type).

- » Assembled without usage of mechanical parts (better reliability and endurance).
- » More precise gas level indication comparing to standard resistive type sensors.
- » Very low current consumption (10-12 mA).
- » The voltage value when tank is empty is equal to 0V, when the tank is full it is equal to 5V.



EG DIVIDE

Dividing bus is an essential element for the EG 2000 single assembly injectors.

- » 2, 3, 4 cylinder version.
- » Working temperature: from -40°C up to +120°C.
- » Inlet port: ø12 mm.
- » Outlet nozzles: ø6 mm.



EG CONECTO

- WiFi diagnostic interface for establishing wireless communication with EuropeGAS controllers.
- » Works with EG Configuration Center and EG Movi diagnostic software.
- » Working range 120m.
- » No need of configuring the WiFi module before starting to work.
- » Compatible with IEEE 802.11 b/g/n standard.



EG JOKER

- Universal Bluetooth Interface
- » working range up to 100 m.
- » Adjustable baud rate (from 9600 up to 460800 bauds).
- » Included adapters allows to connect with wide range of LPG/CNG controllers.
- » Compatible with Bluetooth 2.0 +.



EG CARBURETOR

Modern changeover switch EG Carburetor is designed to allow carburetor and electronic injection vehicles converted to gas fuel supply (LPG or CNG) to switch from one fuel to another smoothly. Moment of switching between fuels can be adjusted depending on actual requirements. It has built-in safety device and full LED indication of operating conditions and gas reserves left in the tank.



EG TESTER

- Professional preparation for testing leakage in gas installations.
- » Easy and quick application.
- » Application possible in any position of the can.
- » Do not cause corrosion.
- » Working temperature: from -8°C to 35°C.
- » Capacity: 400ml.



EG DETECTOR

- EG Detector is a highly sensitive device for detecting and locating leaks of gas installation.
- » Adjustable tick rate to locate leaks quickly and easily.
- » Visual and sound leak detection.
- » Fast response of less than two seconds to 40% LEL.
- » 42 cm flexible probe (gooseneck).

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