

Energia[®]
italy *sistemi di autogas*

***LPG & CNG PRODUCT
CATALOGUE***



Made In Italy

***MORE POWER
LONGER DISTANCE!***



**MORE POWER
LONGER DISTANCE!**

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ABOUT US



We are a leading supplier of LPG/CNG/LNG Conversion kits and Tanks. We supply only 100% European made components for best fit installations around the world. With over 20 years' experience in the industry and having knowledge from different countries around the globe made us provide the best for our partners in the World. ENERGIA Italy network is increasing rapidly as we promise to deliver the best products and services at competitive price level.

Our headquarter located in Munich/ Germany where is the heart of Automotive industry. We develop best fit conversion kits with our R&D in Germany and most of our production activities will be held in Italy. We have combined German engineering knowledge with the Italian experience in the Gas conversion systems. We are one of the few companies who can supply all needs of Conversion centers around the globe. Our range of products cover almost 95% of the worlds total car population.

We aimed to be one of the top players in the market trusting our knowledge, experience and flexibility at work. We are young and ambitious team who target to deliver the best to its customers.

LOWER EMISSION LOWER COST

We are a leading supplier of LPG/ CNG Conversion components and Tanks.



LPG also know as Autogas, Vigas, Flgas, Tugaz is the most commonly used Alternative fuel in the world, there are currently more than 30 million vehicle running on LPG in different parts of the globe. Driving an LPG vehicle is safe, at least 50% cheaper than gasoline and there is far less CO2 emission comparing to Gasoline so it is environment friendly fuel.



CNG is also known as NGV, Erdgas, Methane is a compress natural gas is an another type of fuel that is used in the Vehicles. CNG can be applied in All Types of Vehicles including passenger cars, trucks, busses, motorcycles and there are over 15 million NGV Vehicles around the globe. Click here to see more details about the world's second most available alternative fuel.



LNG is a Liquid form of CNG in other word it is Liquefied Natural gas. LNG is traditional CNG gas which was cooled to the point of liquefaction. Liquefied Natural Gas colorless, non-corrosive and non-toxic. LNG is a new the alternative fuel that is commonly used in Vessels , Trucks and busses in some countries. Click for more information.

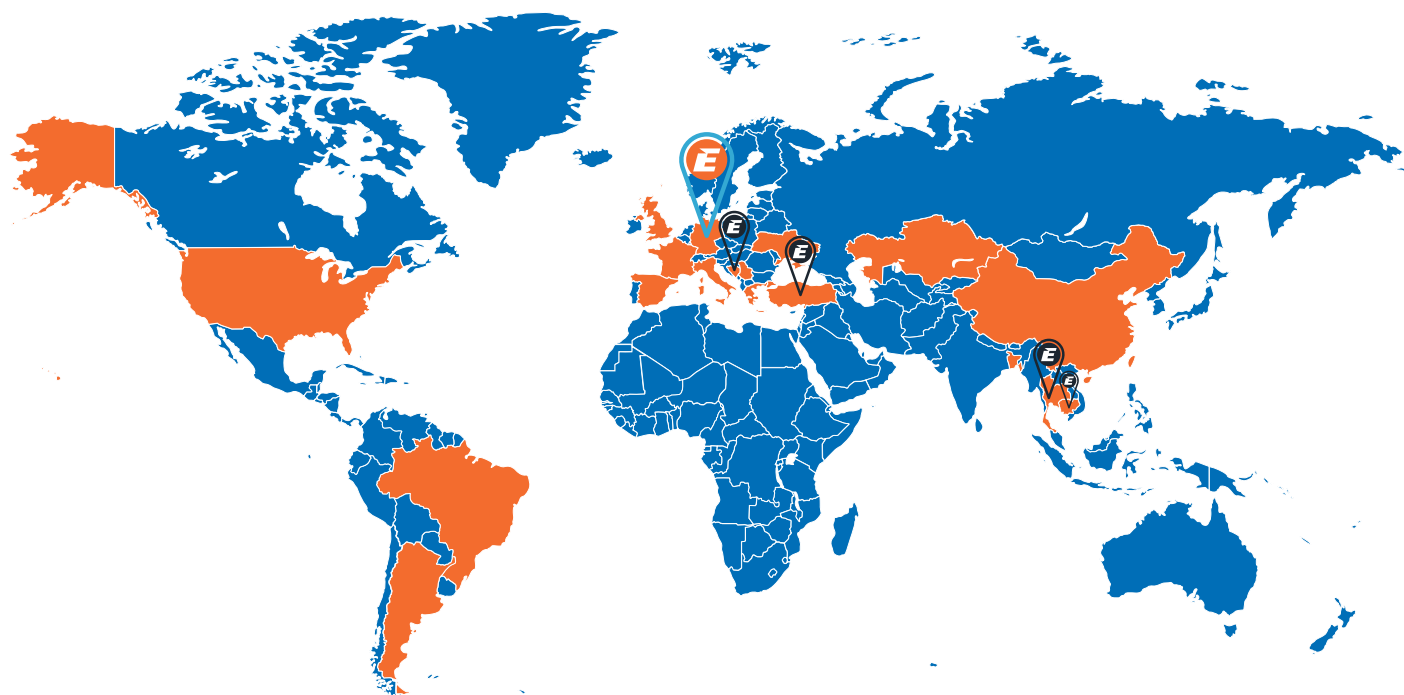
OUR PRESENCE



Made In Italy

ENERGIA is available more than 20 countries and expanding to different markets rapidly. With our experiences and service minded professional team we have put quick steps in several countries. Our aim is to provide best quality systems and parts to our partners around the globe and therefore we make sure drivers having safe and quality systems in their vehicles.

SALES NETWORK



WHY ENERGIA ITALY?

We are a leading supplier of LPG/ CNG Conversion components and Tanks. We supply 100 % European components for best fit installations around the world. With over 20 years' experience in the industry and having knowledge from different countries around the globe made us provide the best for our partners in the World. We are located in Italy, the heart of LPG/CNG sectors in the world and currently represented in over 10 countries. With our young and ambitious team, we are confident to be a leading supplier best quality LPG/CNG conversion kits and tanks.

All ENERGIA ITALY products produced with the highest available technology and come with 2 years warranty. We have 100% QC checks in order to make sure we deliver quality products to our partners around the world. We have all necessary certifications for each of our products and available on demand.

Our kits will include a service book in your local language and we also have only warranty registration system for our partners to be able to follow full history of the installation with few clicks.



WARRANTY

All ENERGIA ITALY products produced with the highest available technology and come with 2 years warranty. We have 100% QC checks in order to make sure we deliver quality products to our partners around the world. We have all necessary certifications for each of our products and available on demand.

Our kits will include a service book in your local language and we also have only warranty registration system for our partners to be able to follow full history of the installation with few clicks.



Made In Italy

MORE POWER, LONGER DISTANCE!

Energia Italy focuses only quality made components for the partners around the globe. Each equipment 100% guaranteed by quality control and test with the latest testing tools available in the market. We ensure that Energia Italy products comply with the explicit and implicit requirements of the Customers from many different regions.



Energia Saves your money and Environment...

Energia Italy produces products that fit your budget and provides ecological support with environmentally friendly products.



A new brand, a new adventure.

We are a leading supplier of LPG/ CNG Conversion components and Tanks. We supply 100 % European components for best fit installations around the world.

TECHNICAL SUPPORT

Energia Italy works for you.

In many countries of the world we are looking for 24/7 support messages for our partners and our companies who work in different time zones.

Our team of experts is there for all your problems.

Are you interested in Energia Italy products?

Let's talk about the best way to assemble the autogas and LPG / CNG components!

Note: Please remember to check the documentation on our website before writing to us so that the density does not occur.



SUPPORT OPERATION SYSTEM

In order to provide the best service for you, our support network is provided with solutions oriented towards your needs and solution focused. You can see how our support team works by following the following diagram.





PRODUCTS

PRODUCT CATEGORIES	PAGE
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LPG Injectors	
LPG Filters	
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O-Ring And Gaskets	
Plastic Parts	
Screw Clamp Types	
Petrol Valves	
Gas Tight Hosings	
Emulators	
Timing Relay	

LPG SYTEMS

MAIN CATEGORY

LPG

LPG SYTEMS

Direct Sequential Systems



ENR.GDI500

E-500 DI 4 CYLIDNER

Description

Designed for all types of 3-4 Cylinder Direct Injection vehicles.

- Very lightweight, shock resistance, waterproofs plastic housing.
- Intelligent with OBD option
- Auto calibration and auto map correction
- Gas injector heating and diagnostic
- Valve protection
- Real time diagnostic of components
- Best calibration result with OBD connection

Perfect installation with Energia Speed Single injectors. Specially designed for High Performance cars and Direct Injection Vehicles ENERGIA LPG/CNG Injectors with long life-span (around 500 million cycles, 200.000KM) are one of the best on the market.

LPG SYTEMS

Direct Sequential Systems



ENR.DI6004

ENERGIA DI 600

Description

DI 600 is also characterized by the innovative design of its highly thermal efficient metal case. DI 600 ECU is designed for 3-4 cylinders direct injection engines, in which the fuel is injected at a high pressure directly in the combustion chamber.

While running on gas, DI 600 considers the petrol injection time and the pressure on the rail to calculate the equivalent amount of gas to be injected in the intake manifold to replicate the performance of the engine running on petrol. Through the OBD connection, the calibration software can be used to monitor several engine parameters and any eventual error in the engine control system.

DI 600 is equipped with a diagnosis system on every Gas component, whose status can be monitored by the calibration software during the installation of the system and at any moment of the engine lifetime. This feature may prevent malfunctioning problems and makes technical interventions easier.

LPG SYTEMS

Indirect Sequential Systems



ENR.G40200

E-200 4 CYLINDER

Description

E-200 4 Cylidner Kit designed especially for 4 cyl. Engines with sequential fuel injection for car owners who are looking for economical version.

WHAT YOU GET?

- 24 pin LPG/CNG controller,
- Dedicated for 4 cylinder engines,
- Automatic auto-adaptation system (tune),
- It can be expanded by additional external equipment,
- Any-clone algorithm,
- Tight composite – aluminum housing,
- Very quick and easy installation

LPG SYTEMS

Indirect Sequential Systems



E-200 OBD 4 CYLINDER

Description

E-200 OBD 4 Cylinder It is specially designed for 4 Cylinder Vehicles with a full calibration option and OBD connection. This is the best ECU for any type of 4 Cylinder Vehicles.

WHAT YOU GET?

- 24 pin LPG/CNG controller,
- Dedicated for 4 cylinder engines,
- Automatic auto-adaptation system (tune),
- It can be expanded by additional external equipment,
- Any-clone algorithm,
- Tight composite – aluminum housing,
- Very quick and easy installation

LPG SYTEMS

Indirect Sequential Systems



E-300 4 CYLINDER

Description

Designed specially for mid-range cars, suitable for a vast variety of vehicles.

WHAT YOU GET?

- Lightweight, shock-resistant, plastic housing,
- Many extra tuning options,
- Auto Calibration,
- Injector heating,
- Diagnostic,
- Waterproof,
- 32 pins,
- Suitable for 2-3-4 Cylinders

LPG SYTEMS

Indirect Sequential Systems


ENR.40048

E-400 OBD 4 CYLINDER

Description

Designed for all types of 2-3-4 Cylinder Sequential Injection Vehicles

- Very lightweight, shock resistance, waterproofs plastic housing.
- Intelligent with OBD option
- Auto calibration and auto map correction
- Gas injector heating and diagnostic
- Valve protection
- Real time diagnostic of components
- Best calibration result with OBD connection

Perfect installation with Energia Speed Single injectors. Specially designed for High Performance cars and Direct Injection Vehicles ENERGIA LPG/CNG Injectors with long life-span (around 500 million cycles, 200.000KM) are one of the best on the market.

LPG SYTEMS

Indirect Sequential Systems


ENR.G60200

E-201 OBD 6 CYLINDER

Description

E-201 OBD Designed for 5-8 Cylinder Vehicles, It gives the best performing output for your vehicle.

WHAT YOU GET?

- 56 pin LPG/CNG controller with integrated OBD (CAN and K-LINE),
- Dedicated for the most advanced 8 cylinder engines,
- Automatic auto-adaptation system (Auto Tuning) two independent engine banks,
- Expanded OBD scanner with automatic error clearance,
- It can be expanded by additional external equipment,
- Any-clone algorithm,
- Integrated fuel pressure and fuel level emulator,
- Possibility to connect 2 voltage lambda probes or 1 UEGO,
- Tight aluminum housing

LPG SYTEMS

Indirect Sequential Systems



E-400 OBD 6 CYLINDER

Description

Designed for all types of 5-6 Cylinder vehicles.

- Very lightweight, shock resistance, waterproofs plastic housing.
- Intelligent with OBD option
- Auto calibration and auto map correction
- Gas injector heating and diagnostic
- Valve protection
- Real time diagnostic of components
- Best calibration result with OBD connection

Perfect installation with Energia Speed Single injectors. Specially designed for High Performance cars and Direct Injection Vehicles ENERGIA LPG/CNG Injectors with long life-span (around 500 million cycles, 200.000KM) are one of the best on the market.

LPG SYTEMS

Indirect Sequential Systems



E-201 OBD 8 CYLINDER

Description

E-201 OBD Designed for 5-8 Cylinder Vehicles, It gives the best performing output for your vehicle.

WHAT YOU GET?

- 56 pin LPG/CNG controller with integrated OBD (CAN and K-LINE),
- Dedicated for the most advanced 8 cylinder engines,
- Automatic auto-adaptation system (Auto Tuning) two independent engine banks,
- Expanded OBD scanner with automatic error clearance,
- It can be expanded by additional external equipment,
- Any-clone algorithm,
- Integrated fuel pressure and fuel level emulator,
- Possibility to connect 2 voltage lambda probes or 1 UEGO,
- Tight aluminum housing

LPG SYTEMS

Indirect Sequential Systems



E-400 OBD 8 CYLINDER

Description

Designed for all types of 8 Cylinder vehicles.

- Very lightweight, shock resistance, waterproofs plastic housing.
- Intelligent with OBD option
- Auto calibration and auto map correction
- Gas injector heating and diagnostic
- Valve protection
- Real time diagnostic of components
- Best calibration result with OBD connection

Perfect installation with Energia Speed Single injectors. Specially designed for High Performance cars and Direct Injection Vehicles ENERGIA LPG/CNG Injectors with long life-span (around 500 million cycles, 200.000KM) are one of the best on the market.

LPG REDUCERS

MAIN CATEGORY

LPG

LPG REDUCERS



REDUCER 07

Recommended for engines with power 100 HP / 140 HP / and up to 190 HP. Third generation gas reducer operating on propane-butane (LPG).

Has a built-in gas valve with filter for the liquid phase. Does not require the installation of additional gas valve.

Description

Dimensions	150x160x110 mm
Outlet pressure	depending on the mixer
Coil power	11 W
Outlet connection	Fixed fitting D 20 mm
Weight	1,5 kg
Max. inlet pressure	3 MPa (30 Bar)
Coil voltage	12 V
Inlet connection	D 6,0 mm, M 1×10
Flow rate	22 kg/h / 30 kg/h / up to 40 kg/h
Horse power	up to 190/ 140 / 100 HP
Fuel type	LPG



REDUCER 09

Energia Italy EN09 Alaska is recommended for engines with horse power range of up to 120 HP. Fourth generation gas reducer operating on propane-butane (LPG).

Has a built-in gas valve with filter for the liquid phase. Does not require the installation of additional gas valve.

Description

Dimensions	120x125x105 mm
Outlet pressure	from 90 to 180 kPa
Coil power	17 W
Outlet connection	Fixed fitting D 12 mm
Weight	1,55 kg
Max. inlet pressure	3 MPa (30 Bar)
Coil voltage	12 V DC
Inlet connection	D 6,0 mm, M 10×1
Flow rate	N/A
Horse power	up to 120 HP
Fuel type	LPG

LPG REDUCERS



REDUCER 09 SUPER

Recommended for engines with horse power of up to 350 HP. Fourth generation gas reducer operating on propane-butane (LPG).

Has a built-in gas valve with filter for the liquid phase. Does not require the installation of additional gas valve.

Description

Dimensions	140x160x110 mm
Outlet pressure	from 100 to 250 kPa
Coil power	17 W
Outlet connection	D 12 mm
Weight	1,5 kg
Max. inlet pressure	3 MPa (30 Bar)
Coil voltage	12 V
Inlet connection	D 8,0 mm, M 1×12
Flow rate	62 kg/h
Horse power	up to 350 HP
Fuel type	LPG



REDUCER 09A

Energia Italy EN09 Artic is recommended for engines with power up to 150 HP. Fourth generation gas reducer operating on propane-butane (LPG).

Has a built-in gas valve with filter for the liquid phase. Does not require the installation of additional gas valve.

Description

Dimensions	120x125x105 mm
Outlet pressure	from 90 to 180 kPa
Coil power	17 W
Outlet connection	Fixed fitting D 12,5 mm
Weight	1,3 kg
Max. inlet pressure	3 MPa (30 Bar)
Coil voltage	12 V DC
Inlet connection	D 6,0 mm, M 1×10
Flow rate	35 kg/h
Horse power	up to 150 HP
Fuel type	LPG

LPG REDUCERS



REDUCER 09N

Energia Italy EN09 Nordic is the newest model introduced in EN09 line. It is recommended for engines with horse power of up to 170 HP. Fourth generation gas reducer operating on propane-butane (LPG).

Description

Dimensions	120x125x105 mm
Outlet pressure	from 90 to 180 kPa
Coil power	17 W
Outlet connection	Fixed fitting D 12,5 mm
Weight	1,3 kg
Max. inlet pressure	3 MPa (30 Bar)
Coil voltage	12 V DC
Inlet connection	M10x1 pipe ø 6 mm (M12x1 pipe ø 8 mm upon request)
Flow rate	N/A
Horse power	up to 170 HP
Fuel type	LPG



REDUCER 13 SUPER

Recommended for engines with horse power of up to 350 HP. Fourth generation gas reducer operating on propane-butane (LPG).

Has a built-in gas valve with filter for the liquid phase. Does not require the installation of additional gas valve.

Description

Dimensions	140x160x110 mm
Outlet pressure	from 100 to 250 kPa
Coil power	17 W
Outlet connection	D 12 mm
Weight	1,5 kg
Max. inlet pressure	3 MPa (30 Bar)
Coil voltage	12 V
Inlet connection	D 8,0 mm, M 1×12
Flow rate	62 kg/h
Horse power	up to 350 HP
Fuel type	LPG

LPG
MULTIVALVE

MAIN CATEGORY

LPG

LPG MULTIVALVES



SAFETY DEVICES

- high flow pressure relief valve (PRV)
- pressure relief device (PRD)
- solenoid valve at outlet
- 80% filling limiter
- excess flow valve
- double non-return valve at inlet
- manual (service) valve at outlet
- level indicator (electronic upon request)

1. AVAILABLE FOR ALL TYPES OF TANKS
2. ACCURATE CNC MACHINING
3. HI-TECH ASSEMBLY PROCESSES
4. 100% AUTOMATICALLY TESTED & CALIBRATED

AVAILABLE SIZES:

cylindrical tank at 0°, 30° and 90°: 200-244-270-300-315-360-400-450 mm diameter
toroidal tank at 30° and 0°: 145-180/190-200/204-220/225-230-240-250-270-300-330 mm
height other sizes available upon request

LPG MULTIVALVE



ENR.20002



ENR.20000

ENERGIA EN00 MULTIVALVE

Energia Italy EN00 multivalve is designated for LPG tanks and has conformity with the previous European Regulation ECE 67R-00. This multivalve is equipped with many safety devices such as: pressure relief valve, 80% filling limiter, excess flow valve, non-return valve, manual (service) valve, mechanical level indicator. Energia EN00 LPG multivalve is available in two options: Standard and Extra.

Description

Material	Hot forged brass
Weight	0,65 kg
PRV setting	2.5 MPa (25 bar)
PRV flow rate	23.4 Nm3/min
Filling speed	18 lt/min @ 10 bar
Inlet connection	4/1 gas
Outlet connection	M10x1/pipe Ø6 mm or M12x1/pipe Ø8 mm
Automatic 80% level stop	Yes

ENERGIA EN02 MULTIVALVE

Energia Italy LPG multivalve EN02 is designated for LPG tanks. It is homologated in accordance with the European Regulation ECE 67R-01. It has all necessary safety devices such as: pressure relief valve (PRV), pressure relief device (PRD), solenoid valve, 80% filling limiter, excess flow valve, non-return valve, manual (service) valve and level indicator (electronic upon request).

Description

Material	Hot forged brass
Weight	0,9 kg
PRV setting	2.7 MPa (27 bar)
PRD	°10 ± 120
PRV flow rate	23.4 Nm3/min
PRD flow rate	4.4 Nm3/min
Filling speed	18 lt/min @ 10 bar
Inlet connection	4/1 gas
Outlet connection	M10x1/pipe Ø6 mm or M12x1/pipe Ø8 mm
Coil power	11W
Coil voltage	12V DC

LPG VALVES

MAIN CATEGORY

LPG

LPG VALVES



ENR.50000

CUT OFF VALVE 01

Energia Italy EVG-01 is an 12V LPG solenoid valve designed for LPG utogas systems. It is made with a brass body and it is provided with an high-efficiency internal filter. Available inlet and outlet conections M10x1 for 6 mm pipes.

Energia Italy EVG-o01 is homologated under 67R-01.

Description

Material	Hot forged brass
Weight	0,5 kg
Working temperature	– 20 °C / 120+ °C
Coil power	11 W
Coil voltage	12 V DC
Coil connection	FASTON



ENR.50001

CUT OFF VALVE P

Energia Italy EB-01 12V gasoline solenoid valve designed for LPG autogas systems. It was designed with a brass body and provided with manual valve.

Connections – 6 and 8 mm pipes.

Description

Material	Hot forged brass
Weight	0,2 kg
Working temperature	– 20 °C / 120+ °C
Coil power	11 W
Coil voltage	12 V DC
Coil connection	FASTON
Manual Tap	Yes

LPG VALVES



ENR.50002

CUT OFF VALVE 03

VALTEK TYPE 03 is a compact and space efficient solenoid valve designed for LPG autogas systems. It is equipped with on/off shut-off valve with incorporated and replacable filter, which can be substituted or cleaned without disconnecting the LPG pipes. Female inlet and outlet connections make direct fitting of VALTEK TYPE 03 to the vaporizer and supply pipes quick and easy.

Description

Material	Hot forged brass
Working temperature	– 20 °C / 120+ °C
Max. pressure	3MPa (30 bar)
Inlet connection	Ø 5,5 mm – Ø 6,5 mm
Outlet connection	Ø 5,5 mm – Ø 6,5 mm
Coil power	11 W
Coil voltage	12 V
Coil connection	AMP Superseal



ENR.50003

CUT OFF VALVE 07

VALTEK TYPE 07 is a compact and space efficient solenoid valve designed for LPG autogas systems. It is equipped with on/off shut-off valve with incorporated and replacable filter, which can be substituted or cleaned without disconnecting the LPG pipes. Female inlet and outlet connections make direct fitting of VALTEK TYPE 07 to the vaporizer and supply pipes quick and easy.

Description

Material	Hot forged brass
Working temperature	– 20 °C / 120+ °C
Max. pressure	3MPa (30 bar)
Inlet connection	Ø 5,5 mm – Ø 6,5 mm
Outlet connection	Ø 5,5 mm – Ø 6,5 mm
Coil power	11 W
Coil voltage	12 V
Coil connection	AMP Superseal

LPG-CNG
INJECTORS

MAIN CATEGORY

LPG-CNG

LPG-CNG INJECTORS



SPEED SINGLE INJECTOR

ENERGIA SPEED – Rail Type, Rail Feed from Top SINGLE INJECTOR

Specially designed for High Performance cars and Direct Injecton Vehicles

ENERGIA LPG/CNG Injectors with long life-span (around 500 million cycles, 200.000KM) are one of the best on the market.

Description

Feed type	Top
Voltage	12V DC
Resistance	1.9 Ohm
Max pressure	4.0 bar
Operation pressure	1.2 bar
Flow rate	65,115 L/min
Opening time	2.36 ms
Closing time	1.2 ms
Pick Current	4A
Hold Current	2A
Size	70,25mm
Fuel	LPG/CNG/LNG/ Hydrogen



SPEED INJECTOR 3 CYL

ENERGIA SPEED – Rail Type, Rail Feed from Top

ENERGIA LPG/CNG Injectors with long life-span (around 500 million cycles, 200.000KM) are one of the best on the market.

Description

Feed type	Top
Voltage	12V DC
Resistance	1.9 Ohm
Max pressure	4.0 bar
Operation pressure	1.2 bar
Flow rate	65,115 L/min
Opening time	2.36 ms
Closing time	1.2 ms
Pick Current	4A
Hold Current	2A
Size	70,25mm
Fuel	LPG/CNG/LNG/ Hydrogen

LPG-CNG INJECTORS



SPEED INJECTOR 4 CYL

ENERGIA SPEED – Rail Type, Rail Feed from Top

ENERGIA LPG/CNG Injectors with long life-span (around 500 million cycles, 200.000KM) are one of the best on the market.

Description

Feed type	Top
Voltage	12V DC
Resistance	1.9 Ohm
Max pressure	4.0 bar
Operation pressure	1.2 bar
Flow rate	65,115 L/min
Opening time	2.36 ms
Closing time	1.2 ms
Pick Current	4A
Hold Current	2A
Size	70,25mm
Fuel	LPG/CNG/LNG/ Hydrogen



ENERGIA N4

Rail Injector for gaseous LPG and Natural Gas. Single version with 0,6mm stroke. Coils with 2-ways built-in watertight connector, compatible with AMP/ Delphi.

Body made of polymeric material, high mechanical and high heat resistance. Modular Injector in two configurations: single with separate manifold or mountable on rail.

Not very sensitive to dirt accumulation.

Description

Working pressure	from 0,5 to 2,0 bar
Max. pressure	3,0 bar
Supply voltage	14,4 – 10,8 V
Inlet gas fitting	Ø10mm, Ø12mm, Ø14mm, Ø16mm, Ø7mm
Outlet gas fitting	Ø4mm, Ø6mm, Ø7mm
Calibrated hole range	Ø 1,0 mm
T range	°120 + / 20-C
Approvals	110R0067R01

LPG-CNG INJECTORS



ENERGIA N3

Rail Injector for gaseous LPG and Natural Gas. Single version with 0,6mm stroke. Coils with 2-ways built-in watertight connector, compatible with AMP/Delphi. Body made of polymeric material, high mechanical and high heat resistance. Modular Injector in two configurations: single with separate manifold or mountable on rail. Not very sensitive to dirt accumulation.

Description

Working pressure	from 0,5 to 2,0 bar
Max. pressure	3,0 bar
Supply voltage	14,4 – 10,8 V
Inlet gas fitting	Ø10mm, Ø12mm, Ø14mm, Ø16mm, Ø7mm
Outlet gas fitting	Ø4mm, Ø6mm, Ø7mm
Calibrated hole range	Ø 1,0 mm
T range	*120 + / 20-C
Approvals	110R0067R01



ENERGIA 3 RAIL INJECTOR

The fourth generation 3 cylinders Injector Rail for LPG/CNG. Energia Repair Kit can be purchased to fix old injector rail. Compatible with all Energia Italy products.

Description

Impedance	3 Ohm.
Height	70 mm.
Input D (brass)	10 mm.
Width	120 mm.
Depth	40 mm.
Fuel	LPG, CNG

LPG-CNG INJECTORS



ENERGIA N2

Rail Injector for gaseous LPG and Natural Gas. Single version with 0,6mm stroke. Coils with 2-ways built-in watertight connector, compatible with AMP/Delphi. Body made of polymeric material, high mechanical and high heat resistance. Modular Injector in two configurations: single with separate manifold or mountable on rail. Not very sensitive to dirt accumulation.

Description

Working pressure	from 0,5 to 2,0 bar
Max. pressure	3,0 bar
Supply voltage	14,4 – 10,8 V
Inlet gas fitting	Ø10mm, Ø12mm, Ø14mm, Ø16mm, Ø7mm
Outlet gas fitting	Ø4mm, Ø6mm, Ø7mm
Calibrated hole range	Ø 1,0 mm
T range	*120 + / 20-C
Approvals	110R0067R01



ENERGIA N1

Rail Injector for gaseous LPG and Natural Gas. Single version with 0,6mm stroke. Coils with 2-ways built-in watertight connector, compatible with AMP/Delphi. Body made of polymeric material, high mechanical and high heat resistance. Modular Injector in two configurations: single with separate manifold or mountable on rail. Not very sensitive to dirt accumulation.

Description

Working pressure	from 0,5 to 2,0 bar
Max. pressure	3,0 bar
Supply voltage	14,4 – 10,8 V
Inlet gas fitting	Ø10mm, Ø12mm, Ø14mm, Ø16mm, Ø7mm
Outlet gas fitting	Ø4mm, Ø6mm, Ø7mm
Calibrated hole range	Ø 1,0 mm
T range	*120 + / 20-C
Approvals	110R0067R01

LPG-CNG INJECTORS



ENERGIA IG 4 CYLINDER

Rail injector for gaseous LPG and Natural Gas. Single version with 0.6 mm stroke. Rail IG1 has coils with 2-way built-in watertight connector, compatible with Amp/Delphi. Body made of shaped aluminium and lightened for better heat exchange. Not very sensitive to dirt accumulation, easy maintenance and easy to clean. Improved internal flow dynamics.

Description

Working pressure	from 0,5 to 2,0 bar
Max. pressure	3,0 bar
Supply voltage	14,4 – 10,8 V
Inlet gas fitting	Ø10mm, Ø12mm, Ø14mm, Ø16mm
Outlet gas fitting	Calibrated nozzles M8x1
Calibrated hole range	1,00 to 3,25 mm (0,25 mm step)
Opening time	2,8ms / 3,2ms
Closing time	2,8 ms
Resistance	2Ω
Approvals	67R110/01-R00-/ISO 15500



ENERGIA 4 RAIL INJECTOR

The fourth generation 4 cylinders Injector Rail for LPG/CNG.

Energia Repair Kit can be purchased to fix old injector rail.

Compatible with all Energia Italy products.

Description

Impedance	3 Ohm.
Height	70 mm.
Input D (brass)	10 mm.
Width	140 mm.
Depth	40 mm.
Fuel	LPG, CNG

LPG-CNG INJECTORS



ENERGIA AEB INJECTOR NOISLESS

The fourth generation 4-cylinder Injector Rail for LPG/CNG. Can be installed in a car with a capacity of up to 60 hp per cylinder. Requires no adjustment stroke.

24 Months Warranty

Description

Impedance	2 Ohm
Opening time	1 bar – 1,60 ms., 2 bar – 1,95 ms.
Closing time	1 bar – 1,50 ms. 2 bar – 1,50 ms.
Fuel	LPG, CNG



ENERGIA AEB 4 CYLINDER NOISLESS WITH ACCESSORIES

The fourth generation 4-cylinder Injector Rail for LPG/CNG. Can be installed in a car with a capacity of up to 60 hp per cylinder. Requires no adjustment stroke.

24 Months Warranty

Description

Impedance	2 Ohm
Opening time	1 bar – 1,60 ms., 2 bar – 1,95 ms.
Closing time	1 bar – 1,50 ms. 2 bar – 1,50 ms.
Fuel	LPG, CNG

LPG-CNG INJECTORS



**ENERGIA AEB NOISLESS 3
CYLINDER INJECTOR**

This is the fourth generation 3-cylinder Injector Rail for LPG/CNG. This injector can be installed in a car with a capacity of up to 60 hp per cylinder. Requires no adjustment stroke.

24 Months Warranty

Description

Impedance	2 Ohm
Opening time	1 bar – 1,60 ms., 2 bar – 1,95 ms.
Closing time	1 bar – 1,50 ms. 2 bar – 1,50 ms.
Fuel	LPG, CNG

*LPG-CNG
FILTERS*

MAIN CATEGORY

LPG-CNG

LPG-CNG FILTERS



ENR.30001

ENERGIA FILTER F01

Housing material	Aluminum
Inlet diameter	ø 11 mm, ø 12 mm, ø 14 mm, ø 16 mm
Outlet diameter	ø 11 mm, ø 12 mm, ø 14 mm, ø 16 mm
Filtration material	Paper 843 VH 134
Filtration surface	0,039 m2
Captured particles	from 2µm in %99
Capacity	25 l/s
Approvals	CNG – E-20 110R000025-, LPG – E67-20R010703-



ENR.30002

ENERGIA FILTER F01Y

Housing material	Aluminum
Inlet diameter	ø 11 mm, ø 12 mm, ø 14 mm, ø 16 mm
Outlet diameter	ø 11 mm, ø 12 mm
Filtration material	Paper 843 VH 134
Filtration surface	0,039 m2
Captured particles	from 2µm in %99
Capacity	25 l/s
Approvals	CNG – E-20 110R000025-, LPG – E67-20R010703-



ENR.30003

ENERGIA SUPER FILTER

Housing material	Aluminum
Inlet diameter	ø 11 mm, ø 12 mm, ø 14 mm, ø 16 mm
Outlet diameter	ø 11 mm, ø 12 mm, ø 14 mm, ø 16 mm
Filtration material	Polyester OH
Filtration surface	0.017 m2
Captured particles	from 1µm in %99
Capacity	250l / (m2·s)
Symbol of filter cartridge	FLBL
Approvals	CNG – E-8 110R017757-, LPG – E67-8R017756-



ENR.30004

ENERGIA FILTER FG03

Housing material	Plastic
Filter efficacy	85
Max pore diameter	from 36 to 44
Medium pore diameter	from 6 to 8
Substance number	from 121 to 131
Thickness	from 0,30 to 0,36
Resin	from 15 to 19
Stiffness	from 1500 to 3000
Mullen test	from 2,0 to 3,0

LPG
TANKS

MAIN CATEGORY

LPG

LPG TANKS

Cylinder



CODE	DIAMETER(mm)	LENGTH(mm)C	APACITY(LT)	Steel-Sheet Thickness(mm)
ENR244B010 ENR244B015 ENR244B020 ENR244B025 ENR244B030 ENR244B035 ENR244B040 ENR244B045	Ø244	256 370 503 615 727 840 950 1052	10LT 15LT 20LT 25LT 30LT 35LT 40LT 45LT	2,50 2,50 2,50 2,50 2,50 2,50 2,50 2,50
ENR270B025 ENR270B030 ENR270B036 ENR270B040 ENR270B045 ENR270B050 ENR270B055 ENR270B060 ENR270B065 ENR270B070	Ø270	484 574 720 790 885 980 1069 1100 1182 1270	25LT 30LT 36LT 40LT 45LT 50LT 55LT 60LT 65LT 70LT	2,50 2,50 2,50 2,50 2,50 2,50 2,50 2,50 2,50 2,50
ENR300B030 ENR300B040 ENR300B050 ENR300B055 ENR300B060 ENR300B065 ENR300B070 ENR300B080 ENR300B090 ENR300B100	Ø300	484 574 720 790 885 980 1069 1100 1182 1270	30LT 40LT 50LT 55LT 60LT 65LT 70LT 80LT 90LT 100LT	2,50 2,50 2,50 2,50 2,50 2,50 2,50 2,50 2,50 2,50
ENR315B032 ENR315B035 ENR315B040 ENR315B045 ENR315B050 ENR315B060 ENR315B065 ENR315B070 ENR315B080 ENR315B090 ENR315B100	Ø315	484 574 720 790 885 980 1069 1100 1182 1270 1270	32LT 35LT 40LT 45LT 50LT 60LT 65LT 70LT 80LT 90LT 100LT	2,50 2,50 2,50 2,50 2,50 2,50 2,50 2,50 2,50 2,50 2,50
ENR360B040 ENR360B050 ENR360B060 ENR360B070 ENR360B080 ENR360B090 ENR360B100 ENR360B110 ENR360B120	Ø360	464 584 686 786 893 994 1100 1200 1260	40LT 50LT 60LT 70LT 80LT 90LT 100LT 110LT 120LT	3,00 3,00 3,00 3,00 3,00 3,00 3,00 3,00 3,00

LPG TANKS

Torodial / Internal



CODE	DIAMETER(mm)	HEIGHT(mm)	CAPACITY(LT)
ENR520I026 ENR520I030 ENR520I034 ENR520I038 ENR520I044	Ø520	180 200 220 240 270	26LT 30LT 34LT 38LT 44LT
ENR550I030 ENR550I034 ENR550I038 ENR550I042 ENR550I048	Ø550	180 200 220 240 270	30LT 34LT 38LT 42LT 48LT
ENR570I033 ENR570I037 ENR570I042 ENR570I046 ENR570I053	Ø570	180 200 220 240 270	33LT 37LT 42LT 46LT 53LT
ENR580I034 ENR580I040 ENR580I044 ENR580I050 ENR580I055	Ø580	180 200 220 240 270	34LT 40LT 44LT 50LT 55LT
ENR600I037 ENR600I043 ENR600I047 ENR600I052 ENR600I060	Ø600	180 200 220 240 270	37LT 43LT 47LT 52LT 60LT
ENR630I042 ENR630I048 ENR630I053 ENR630I059 ENR630I067	Ø630	180 200 220 240 270	42LT 48LT 53LT 59LT 67LT
ENR650I045 ENR650I051 ENR650I057 ENR650I063 ENR650I072	Ø650	180 200 220 240 270	45LT 51LT 57LT 63LT 72LT
ENR680I049 ENR680I057 ENR680I063 ENR680I070 ENR680I080	Ø680	180 200 220 240 270	49LT 57LT 63LT 70LT 80LT
ENR720I055 ENR720I063 ENR720I070 ENR720I078 ENR720I089	Ø720t	180 200 220 240 270	55LT 63LT 70LT 78LT 89LT

LPG TANKS

Torodial / External



CODE	DIAMETER(mm)	HEIGHT(mm)	CAPACITY(LT)
ENR520E026	Ø520	180	26 LT
ENR520E030		200	30 LT
ENR520E034		220	34 LT
ENR520E038		240	38 LT
ENR520E044		270	44 LT
ENR550E030	Ø550	180	30 LT
ENR520E034		200	34 LT
ENR520E038		220	38 LT
ENR520E042		240	42 LT
ENR520E048		270	48 LT
ENR570E033	Ø570	180	33 LT
ENR570E037		200	37 LT
ENR570E042		220	42 LT
ENR570E046		240	46 LT
ENR570E053		270	53 LT
ENR580E034	Ø580	180	34 LT
ENR580E040		200	40 LT
ENR580E044		220	44 LT
ENR580E050		240	50 LT
ENR580E055		270	55 LT
ENR600E037	Ø600	180	37 LT
ENR600E043		200	43 LT
ENR600E047		220	47 LT
ENR600E052		240	52 LT
ENR600E060		270	60 LT
ENR630E042	Ø630	180	42 LT
ENR630E048		200	48 LT
ENR630E053		220	53 LT
ENR630E059		240	59 LT
ENR630E067		270	67 LT
ENR650E045	Ø650	180	45 LT
ENR650E051		200	51 LT
ENR650E057		220	57 LT
ENR650E063		240	63 LT
ENR650E072		270	72 LT
ENR680E049	Ø680	180	49 LT
ENR680E057		200	57 LT
ENR680E063		220	63 LT
ENR680E070		240	70 LT
ENR680E080		270	80 LT
ENR720E055	Ø720	180	55 LT
ENR720E063		200	63 LT
ENR720E070		220	70 LT
ENR720E078		240	78 LT
ENR720E089		270	89 LT

CNG SYSTEMS

MAIN CATEGORY

CNG

CNG SYTEMS

Direct Sequential Systems


ENR.MDI500

E-500 DI 4 CYLIDNER

Description

Designed for all types of 3-4 Cylinder Direct Injection vehicles.

- Very lightweight, shock resistance, waterproofs plastic housing.
- Intelligent with OBD option
- Auto calibration and auto map correction
- Gas injector heating and diagnostic
- Valve protection
- Real time diagnostic of components
- Best calibration result with OBD connection

Perfect installation with Energia Speed Single injectors. Specially designed for High Performance cars and Direct Injection Vehicles ENERGIA LPG/CNG Injectors with long life-span (around 500 million cycles, 200.000KM) are one of the best on the market.

CNG SYTEMS

Direct Sequential Systems


ENR.DIM6004

ENERGIA DI 600

Description

DI 600 is also characterized by the innovative design of its highly thermal efficient metal case. DI 600 ECU is designed for 3-4 cylinders direct injection engines, in which the fuel is injected at a high pressure directly in the combustion chamber.

While running on gas, DI 600 considers the petrol injection time and the pressure on the rail to calculate the equivalent amount of gas to be injected in the intake manifold to replicate the performance of the engine running on petrol. Through the OBD connection, the calibration software can be used to monitor several engine parameters and any eventual error in the engine control system.

DI 600 is equipped with a diagnosis system on every Gas component, whose status can be monitored by the calibration software during the installation of the system and at any moment of the engine lifetime. This feature may prevent malfunctioning problems and makes technical interventions easier.

CNG SYTEMS

Indirect Sequential Systems



E-200 4 CYLINDER

Description

E-200 4 Cylinder Kit designed especially for 4 cyl. Engines with sequential fuel injection for car owners who are looking for economical version.

WHAT YOU GET?

- 24 pin LPG/CNG controller,
- Dedicated for 4 cylinder engines,
- Automatic auto-adaptation system (tune),
- It can be expanded by additional external equipment,
- Any-clone algorithm,
- Tight composite – aluminum housing,
- Very quick and easy installation

CNG SYTEMS

Indirect Sequential Systems



E-200 OBD 4 CYLINDER

Description

E-200 OBD 4 Cylinder It is specially designed for 4 Cylinder Vehicles with a full calibration option and OBD connection. This is the best ECU for any type of 4 Cylinder Vehicles.

WHAT YOU GET?

- 24 pin LPG/CNG controller,
- Dedicated for 4 cylinder engines,
- Automatic auto-adaptation system (tune),
- It can be expanded by additional external equipment,
- Any-clone algorithm,
- Tight composite – aluminum housing,
- Very quick and easy installation

CNG SYTEMS

Indirect Sequential Systems



E-300 4 CYLINDER

Description

Designed specially for mid-range cars, suitable for a vast variety of vehicles.

WHAT YOU GET?

- Lightweight, shock-resistant, plastic housing,
- Many extra tuning options,
- Auto Calibration,
- Injector heating,
- Diagnostic,
- Waterproof,
- 32 pins,
- Suitable for 2-3-4 Cylinders

CNG SYTEMS

Indirect Sequential Systems



E-400 OBD 4 CYLINDER

Description

Designed for all types of 2-3-4 Cylinder Direct Injection vehicles.

- Very lightweight, shock resistance, waterproofs plastic housing.
- Intelligent with OBD option
- Auto calibration and auto map correction
- Gas injector heating and diagnostic
- Valve protection
- Real time diagnostic of components
- Best calibration result with OBD connection

Perfect installation with Energia Speed Single injectors. Specially designed for High Performance cars and Direct Injection Vehicles ENERGIA LPG/CNG Injectors with long life-span (around 500 million cycles, 200.000KM) are one of the best on the market.

CNG SYTEMS

Indirect Sequential Systems



E-201 OBD 6 CYLINDER

Description

E-201 OBD Designed for 5-8 Cylinder Vehicles, It gives the best performing output for your vehicle.

WHAT YOU GET?

- 56 pin LPG/CNG controller with integrated OBD (CAN and K-LINE),
- Dedicated for the most advanced 8 cylinder engines,
- Automatic auto-adaptation system (Auto Tuning) two independent engine banks,
- Expanded OBD scanner with automatic error clearance,
- It can be expanded by additional external equipment,
- Any-clone algorithm,
- Integrated fuel pressure and fuel level emulator,
- Possibility to connect 2 voltage lambda probes or 1 UEGO,
- Tight aluminum housing

CNG SYTEMS

Indirect Sequential Systems



E-400 OBD 6 CYLINDER

Description

Designed for all types of 5-6 Cylinder vehicles.

- Very lightweight, shock resistance, waterproofs plastic housing.
- Intelligent with OBD option
- Auto calibration and auto map correction
- Gas injector heating and diagnostic
- Valve protection
- Real time diagnostic of components
- Best calibration result with OBD connection

Perfect installation with Energia Speed Single injectors. Specially designed for High Performance cars and Direct Injection Vehicles ENERGIA LPG/CNG Injectors with long life-span (around 500 million cycles, 200.000KM) are one of the best on the market.

CNG SYTEMS

Indirect Sequential Systems


ENR.M80200

E-201 OBD 8 CYLINDER

Description

E-201 OBD Designed for 5-8 Cylinder Vehicles, It gives the best performing output for your vehicle.

WHAT YOU GET?

- 56 pin LPG/CNG controller with integrated OBD (CAN and K-LINE),
- Dedicated for the most advanced 8 cylinder engines,
- Automatic auto-adaptation system (Auto Tuning) two independent engine banks,
- Expanded OBD scanner with automatic error clearance,
- It can be expanded by additional external equipment,
- Any-clone algorithm,
- Integrated fuel pressure and fuel level emulator,
- Possibility to connect 2 voltage lambda probes or 1 UEGO,
- Tight aluminum housing

CNG SYTEMS

Indirect Sequential Systems


ENR.M80400

E-400 OBD 8 CYLINDER

Description

Designed for all types of 8 Cylinder vehicles.

- Very lightweight, shock resistance, waterproofs plastic housing.
- Intelligent with OBD option
- Auto calibration and auto map correction
- Gas injector heating and diagnostic
- Valve protection
- Real time diagnostic of components
- Best calibration result with OBD connection

Perfect installation with Energia Speed Single injectors. Specially designed for High Performance cars and Direct Injection Vehicles ENERGIA LPG/CNG Injectors with long life-span (around 500 million cycles, 200.000KM) are one of the best on the market.

CNG REDUCERS

MAIN CATEGORY

CNG

CNG REDUCERS



EN12HP CNG REDUCER

Fourth generation gas reducer operating on compressed natural gas (methane) (CNG). Recommended for engines with horse power of up to 340 HP.

Has a built-in gas valve with filter for the liquid phase. Does not require the installation of additional gas valve.
More powerful version of the Energia Italy EN12 reducer.

Description

Dimensions	120x145x155 mm
Outlet pressure	from 120 to 250 kPa
Coil power	15 W
Outlet connection	D 14 mm
Weight	1,65 kg
Max. inlet pressure	2,6 MPa (26 Bar)
Coil voltage	12 V
Inlet connection	D 6,0 mm, M 1×12
Flow rate	70 kg/h
Horse power	up to 340 HP
Fuel type	CNG



EN04 CNG REDUCER

Recommended for engines with horse power of up to 190 HP. Fourth generation gas reducer operating on CNG, available in 3 versions: 100HP/140HP/ SUPER.

Has a built-in gas valve with filter for the liquid phase. Does not require the installation of additional gas valve.

Description

Dimensions	155x190x110 mm
Outlet pressure	depending on the mixer
Coil power	17 W
Outlet connection	D 12 mm
Weight	1,85 kg
Max. inlet pressure	26 MPa (260 bar)
Coil voltage	12 V
Inlet connection	D 6,0 mm, M 1×12
Flow rate	22 kg/h / 30 kg/h / up to 40 kg/h
Horse power	100 HP / 140 HP / up to 190 HP
Fuel type	CNG

CNG REDUCERS



EN12 CNG REDUCER

Fourth generation gas reducer operating on compressed natural gas (methane) (CNG) designed for engine with horse power up to 170HP.

Has a built-in gas valve with filter for the liquid phase. Does not require the installation of additional gas valve.

Description

Weight	1.24 kg
Dimensions	120 x 145 x 155 mm
Coil power	17 W
Coil voltage	12 V
Flow rate	35 kg/h
Inlet connection	D 6,0 mm, M 1×12
Max. inlet pressure	26,00 MPa (2,6 Bar)
Outlet connection	D 14 mm
Outlet pressure	from 120 to 250 kPa
Horse power	up to 170 HP
Fuel type	CNG

CNG
VALVES

MAIN CATEGORY

CNG

CNG VALVES



ENR.50996

CUT OFF VALVE 01

This relatively light CNG cylinder valve Energia Italy VM01 Light was equipped with manual tap. It has also available versions with additional excess flow valve and thermo fuse T-PRD, which is very effective safety feature. Energia Italy VM01 Light is also available in ARM version and EXTRA versions. VM01 light is homologated in accordance with the European Regulation ECE R110 and in compliance with the ISO15500 standards.

Description

Material	Hot forged brass
Weight	0,35 kg
Max. pressure	26.0 MPa
Hydraulic collapse pressure	>60 MPa
Working temperature	-40°C / 85°C
Min. area of gas flow	12.6 mm ²
Tightening torque at 26 Mpa	0.5 ± 3 NM
Opening/closing angle	(±45°) 900°
Pipe connection	M12x1 or 8/1" NPT
T-PRD activation temperature	+108°C ± 6°C
PRD Min. area of gas flow	28.3 mm ²
T-PRD activation time	10 sec.
Burst disc Min. area of gas flow	33.2 mm ²



ENR.50997

CUT OFF VALVE 05

Energia Italy CNG high pressure solenoid valve is homologated in accordance with the European Regulation ECE R110 and R10, approved in accordance with the ENARGAS NAG415 and NAG417 and comply with the ISO15500 standards.

Upon request, Energia Italy VM05 VMAT5901 is available in extra version characterising with higher solenoid voltage and wider inlet connection.

Description

Material	Hot forged brass
Weight	0,5 kg
Working temperature	-40°C / 120°C
Max. pressure	26.0 MPa
Inlet connection	Ø6.0 mm M12x1 / Ø8.0 mm M14x1
Outlet connection	Ø 5,5 mm – Ø 6,5 mm
Coil voltage	12 V
Colenoid voltage	12 V DC / 24 V DC
Power dissipation	15 W

CNG VALVES



ENR.50998

RUSSIA TYPE FILLING VALVE

Energia Italy VM04 NGV1 is a CNG Manual Filling valve developed for the markets of Eastern Europe and Central Asia and are equipped with manual tap and easy discharge tap.

Description

Material	Hot forged brass CNC machined
Weight	0,6 kg
Working temperature	-40°C / 120°C
Max. pressure	26.0 MPa
Outlet connection	M12x1
Manual tap, min. area of gas flow	12.6 mm ²
Manual tap, Tightening torque at 26 MPa	Nm 0.5 ± 3
Manual tap,Opening/closing angle	(±45°) 900°
Non return valve	No
External Pipe Connection	G "1/2



ENR.50999

NGV 01 FILLING VALVE

Energia Italy VM04 NGV1 is a Manual Filling valve made of CNC machined hot forged brass equipped with non return valve. It is available in two models: STANDARD type, with manual tap and non-return valve, available with NGV1 and NGV1 ITALIA connectors "T" type, without manual tap, with non-return valve, available with NGV1 and NGV1 ITALIA connectors It is homologated in accordance with the European Regulation ECE R110.

Description

Material	Hot forged brass CNC machined
Weight	0,4 kg
Working temperature	-40°C / 120°C
Max. pressure	26.0 MPa
Outlet connection	M12x1
Manual tap, min. area of gas flow	12.6 mm ²
Manual tap, Tightening torque at 26 MPa	Nm 0.5 ± 3
Manual tap,Opening/closing angle	(±45°) 900°
Non return valve	Yes
External Pipe Connection	NGV1, NGV1 ITALIA

CNG VALVES



ENR.50102

ENERGIA OMB CHECK VALVE

OMB CHECK VALVE

Special flow dynamic profile to avoid chattering noises during refueling

Description

Max. pressure	260 Bar
Working temperature	-40°C / 120°C



ENR.50103

ENERGIA NGV1

NGV1 receptacle

Special flow dynamic profile to avoid chattering noises during refueling

Description

Max. pressure	260 Bar
Working temperature	-40°C / 120°C

CNG VALVES



ENR.50105

ENERGIA NGV1 ARGO F

Filling charge valve NGV1

Manual safety tap – non-return valve – available in different thread connections

Special flow dynamic profile to avoid chattering noises during refueling

•Removable filtering element 80 µm inside

Description

Max. pressure	260 Bar
Working temperature	-40°C / 120°C



ENR.50106

ENERGIA ARGO

Manual safety tap – available in different thread connections

Description

Max. pressure	260 Bar
Working temperature	-40°C / 120°C

CNG VALVES



ENR.50107

ENERGIA ARGO RU

Filling charge valve for Russia and Ukraine

Description

Max. pressure	260 Bar
Working temperature	-40°C / 120°C



ENR.50108

ENERGIA NZ VALVE

Filling charge valve type "New Zealand" according to AS/NZS 2739 : 1999

Non-return valve

Available with microswitch (3-pole faston connector)

Description

Max. pressure	260 Bar
Working temperature	-40°C / 120°C

CNG TANKS

MAIN CATEGORY

CNG

CNG TANKS



GUARANTEE ON QUALITY

Energia Italy Guarantees performance of cylinders according to hardness Ultrasonic, Hydrosonic & air leak inspection tests as per relevant manufacturing standards.

CNG TANKS

On Board Vehicle CNG Cylinders WORKING PRESSURE - 200 BAR TEST PRESSURE - 300 BAR					
Water Capacity (l)	Diameter (mm)	Length (mm)	Weight (kg)	Gas Capacity (cu.m)	Gasoline Equivalent (L)
20	219	718	25	5.00	6.29
25	219	865	30	6.25	7.86
30	219	1012	35	7.50	9.43
40	219	1305	45	10.00	12.57
50	219	1600	53	12.50	15.72
20	229	600	24	5.00	6.29
22	229	650	26	5.50	6.92
28	229	825	31	7.00	8.80
30	229	884	33	7.50	9.43
40	229	1178	43	10.00	12.57
50	229	1472	52	12.50	15.72
20	232	600	24	5.00	6.29
22	232	653	26	5.50	6.92
28	232	815	31	7.00	8.80
30	232	871	34	7.50	9.43
40	232	1149	44	10.00	12.57
50	232	1427	54	12.50	15.72
30	267	670	36	7.50	9.43
40	267	870	44	10.00	12.57
45	267	975	49	11.25	14.15
50	267	1075	54	12.50	15.72
55	267	1175	60	13.75	17.29
60	267	1280	64	15.00	18.86
70	267	1483	74	17.50	22.00
75	267	1585	78	18.75	23.57
80	267	1685	82	20.00	25.14
90	267	1890	92	22.50	28.29
50	316	790	59	12.50	15.72
55	316	860	62	13.75	17.29
60	316	930	66	15.00	18.86
65	316	1000	71	16.25	20.43
70	316	1068	75	17.50	22.00
75	316	1140	79	18.75	23.57
80	316	1210	83	20.00	25.14
90	316	1350	92	22.50	28.29
100	316	1490	101	25.00	31.43
120	316	1775	118	30.00	37.71

CNG TANKS

On Board Vehicle CNG Cylinders
WORKING PRESSURE - 200 BAR
TEST PRESSURE - 300 BAR

Water Capacity (l)	Diameter (mm)	Length (mm)	Weight (kg)	Gas Capacity (cu.m)	Gasoline Equivalent (L)
50	325	754	58	12.50	15.72
55	325	822	62	13.75	17.29
60	325	890	66	15.00	18.86
65	325	956	70	16.25	20.43
70	325	1025	75	17.50	22.00
75	325	1092	79	18.75	23.57
80	325	1160	83	20.00	25.14
90	325	1295	91	22.50	28.29
100	325	1429	100	25.00	31.43
120	325	1705	117	30.00	37.71
58	356	754	69	14.50	18.23
60	356	765	71	15.00	18.86
65	356	822	76	16.25	20.43
70	356	878	80	17.50	22.00
75	356	935	84	18.75	23.57
80	356	990	88	20.00	25.14
90	356	1102	96	22.50	28.29
100	356	1215	104	25.00	31.43
113	356	1360	115	28.25	35.52
120	356	1440	121	30.00	37.71
130	356	1150	129	32.50	40.86
145	356	1720	142	36.25	45.57
152	356	1800	148	38.00	47.77
80	406	820	90	20.00	25.14
85	406	865	94	21.25	26.72
90	406	905	97	22.50	28.29
100	406	990	105	25.00	31.43
110	406	1077	113	27.50	34.57
120	406	1164	121	30.00	37.71
130	406	1250	130	32.50	40.86
140	406	1338	137	35.00	44.00
150	406	1425	145	37.50	47.14
160	406	1512	153	40.00	50.28

DIESEL DUAL
FUEL KITS

Cylinders can be manufactured as per ISO 11439, NZS 5454, ECE R110

DIESEL LPG DUAL FUEL KITS

MAIN CATEGORY

DIESEL DUAL FUEL KITS

DIESEL LPG DUAL FUEL KIT



ENR.DG0001

E-100 DG

Controller E100DG is the first DIESELGAS controller equipped with the patented innovative auto-adaptation system. The first systems performed well in real conditions covering over 300 thousand kilometers without any negative impact on the engine. Due to the fact that the software has been improved and optimized for a number of years, the controller is a comprehensive solution for DIESELGAS control. Considering an insignificant price impact of the entire installation, our diesel controllers are available in premium version.

Advantages of our gas installation in diesel engine:

- Gas injection to air
- Due to installation of extra tanks, it is possible to increase the maximum set range
- Power unit power and torque confirmed by independent domestic and foreign studies.
- A test house is not required as the device has an advanced auto-calibration algorithm
- Well-developed auto-diagnosis functions



ENR.DG0002

E-100DG RSV

DIESEL-GAS in Renault, Scania, Volvo

- Controller E-100DG RSV has been created in order to gain access to the dual fuel system with auto-adaptation in latest heavy-wheeled vehicles.
- It is used in the cars equipped with an analogue accelerator pedal, i.e. Renault, Scania, Volvo.
- It possesses the official certification and approval to transport ADR goods.
- Two analogue emulation channels allowing the control of Common Rail, Analogue TPS, Map sensor, Flowmeter sensors.

DIESEL LPG DUAL FUEL KIT



ENR.DG0003

E-100DG DIGI

- Controller E-100DG DIGI has been designed in order to give access to dual fuel advantages in latest heavy-wheeled vehicles.
- It allows the use of two channel digital TPS Throttle Position Sensors used in trucks by i.e. MAN and Mercedes.
- It has the official certificate and approval to transport ADR goods.
- A long group of wires (4,2m long on average) has been used. It provides a convenient installation in most heavy-wheel vehicles and it is not necessary to lengthen the wires.



ENR.DG0004

E-100DG PLUS

E-100DG PLUS is our latest dual fuel controller.

- It combines the best features of other controllers and allows operation simplest vehicles with a mechanical pump and the newest structures Euro 6.
- It is the first DIESELGAS controller with an in-built CAN interface.
- It stands out thanks to its enhanced precision of analogue emulators.
- It is now possible to cooperate with GPS module and there is a remote update via GPRS.
- In order to provide fitters with comfort, a longer 5-meter group divided into 2 sectors combined by a hermetic joint has been used.
- A developed set of analogue and digital emulators has been used. Also, a frequency emulator for flowmeters has been added.

Truth is our system is as good as its weakest link. In this case a complicated and unpredictable human factor should be considered. The system has two independent protections against uneconomical style of machine operation. The first degree is system adjustment which prevents a user from using a full uneconomical DIESELGAS power. A second degree is control system and working parameters registration system. It informs the driver and the company about the driving style impact on consumption.

DIESEL LPG DUAL FUEL KIT



ENR.DI6004

DI 600

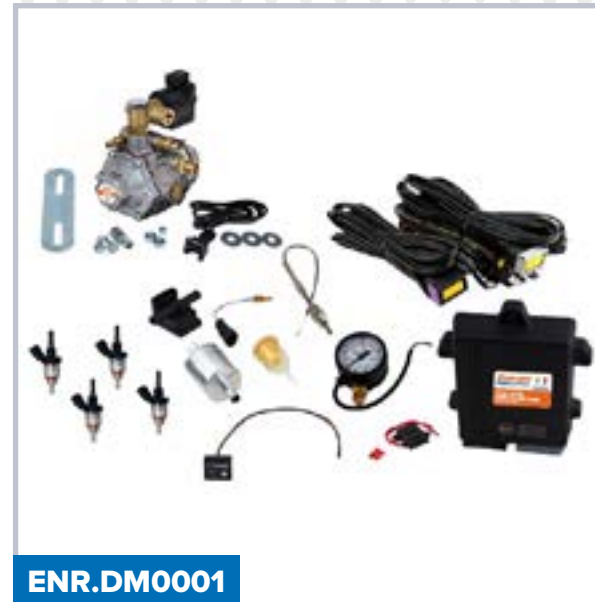
- DI 600 is also characterized by the innovative design of its highly thermal efficient metal case.
- DI 600 ECU is designed for 3-4 cylinders direct injection engines, in which the fuel is injected at a high pressure directly in the combustion chamber.
- While running on gas, DI 600 considers the petrol injection time and the pressure on the rail to calculate the equivalent amount of gas to be injected in the intake manifold to replicate the performance of the engine running on petrol. Through the OBD connection, the calibration software can be used to monitor several engine parameters and any eventual error in the engine control system.
- DI 600 is equipped with a diagnosis system on every Gas component, whose status can be monitored by the calibration software during the installation of the system and at any moment of the engine lifetime. This feature may prevent malfunctioning problems and makes technical interventions easier.
- In addition, the calibration tool offers guided procedures for simplifying the system installation and setting.
- Thanks to the combination of DI 600 and PTMAP sensor, the installation steps are simplified and the costs highly reduced.
- DI 600 is equipped with a 60-PIN new-generation automotive connector, with a high IP protection degree (6K9K) against water infiltrations, and with an easy leverage system
- for cable connection/disconnection. The cable is characterized by a security system on the connector that prevents accidental release of the wiring.

DIESEL CNG DUAL FUEL KITS

MAIN CATEGORY

DIESEL DUAL FUEL KITS

DIESEL LPG DUAL FUEL KIT



ENR.DM0001



ENR.DM0002

E-100 DG

Controller E100DG is the first DIESELGAS controller equipped with the patented innovative auto-adaptation system. The first systems performed well in real conditions covering over 300 thousand kilometers without any negative impact on the engine. Due to the fact that the software has been improved and optimized for a number of years, the controller is a comprehensive solution for DIESELGAS control. Considering an insignificant price impact of the entire installation, our diesel controllers are available in premium version.

Advantages of our gas installation in diesel engine:

- Gas injection to air
- Due to installation of extra tanks, it is possible to increase the maximum set range
- Power unit power and torque confirmed by independent domestic and foreign studies.
- A test house is not required as the device has an advanced auto-calibration algorithm
- Well-developed auto-diagnosis functions

E-100DG RSV

DIESEL-GAS in Renault, Scania, Volvo

- Controller E-100DG RSV has been created in order to gain access to the dual fuel system with auto-adaptation in latest heavy-wheeled vehicles.
- It is used in the cars equipped with an analogue accelerator pedal, i.e. Renault, Scania, Volvo.
- It possesses the official certification and approval to transport ADR goods.
- Two analogue emulation channels allowing the control of Common Rail, Analogue TPS, Map sensor, Flowmeter sensors.

DIESEL LPG DUAL FUEL KIT



ENR.DM0003

E-100DG PLUS

- It combines the best features of other controllers and allows operation simplest vehicles with a mechanical pump and the newest structures Euro 6.
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- It stands out thanks to its enhanced precision of analogue emulators.
- It is now possible to cooperate with GPS module and there is a remote update via GPRS.
- In order to provide fitters with comfort, a longer 5-meter group divided into 2 sectors combined by a hermetic joint has been used.
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ENR.DM0004

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ECU SETS

ECU SETS


ENR.EDI500

E-500 DI 4 CYLINDER

Designed for all types of 3-4 Cylinder Direct Injection vehicles. Very lightweight, shock resistance, waterproofs plastic housing, intelligent with OBD option, auto calibration and auto map correction, Gas injector heating and diagnostic, valve protection, real time diagnostic of components, best calibration result with OBD connection


ENR.E40200

E-200 4 CYLINDER

E-200 is a controller designed especially for 4 cyl. Engines with sequential fuel injection for car owners who are looking for economical version. 24 pin LPG/CNG controller, dedicated for 4 cylinder engines, automatic auto-adaptation system (tune), It can be expanded by additional external equipment, any-clone algorithm, tight composite – aluminum housing, Very quick and easy installation


ENR.E4020B

E-200 OBD 4 CYLINDER

E-200 OBD 4 Cylinder It is specially designed for 4 Cylinder Vehicles with a full calibration option and OBD connection. This is the best ECU for any type of 4 Cylinder Vehicles. 24 pin LPG/CNG controller, dedicated for 4 cylinder engines, automatic auto-adaptation system (tune), It can be expanded by additional external equipment, any-clone algorithm, tight composite – aluminum housing, Very quick and easy installation


ENR.E40032

E-300 4 CYLINDER

Designed specially for mid-range cars, suitable for a vast variety of vehicles. lightweight, shock-resistant, plastic housing, many extra tuning options, auto calibration, injector heating, diagnostic, waterproof, 32 pins, suitable for 2-3-4 Cylinders


ENR.E40048

E-400 OBD 4 CYLINDER

Designed for all types of 2-3-4 Cylinder vehicles. Very lightweight, shock resistance, waterproofs plastic housing, intelligent with OBD option, auto calibration and auto map correction, Gas injector heating and diagnostic, valve protection, real time diagnostic of components, best calibration result with OBD connection

ECU SETS


ENR.E60200

E-201 OBD 6 CYLINDER

E-200 OBD Designed for 5-8 Cylinder Vehicles, It gives the best performing output for your vehicle. 56 pin LPG/CNG controller with integrated OBD (CAN and K-LINE), Dedicated for the most advanced 8 cylinder engines, automatic auto-adaptation system (Auto Tuning) two independent engine banks, expended OBD scanner with automatic error clearance, It can be expanded by additional external equipment, any-clone algorithm, Integrated fuel pressure and fuel level emulator, possibility to connect 2 voltage lambda probes or 1 UEGO, tight aluminum housing.


ENR.E60400

E-400 OBD 6 CYLINDER

Designed for all types of 5-6 Cylinder vehicles. Very lightweight, shock resistance, waterproofs plastic housing, intelligent with OBD option, auto calibration and auto map correction, Gas injector heating and diagnostic, valve protection, real time diagnostic of components, best calibration result with OBD connection


ENR.E80200

E-201 OBD 8 CYLINDER

E-200 OBD Designed for 5-8 Cylinder Vehicles, It gives the best performing output for your vehicle. 56 pin LPG/CNG controller with integrated OBD (CAN and K-LINE), Dedicated for the most advanced 8 cylinder engines, automatic auto-adaptation system (Auto Tuning) two independent engine banks, expended OBD scanner with automatic error clearance, It can be expanded by additional external equipment, any-clone algorithm, Integrated fuel pressure and fuel level emulator, possibility to connect 2 voltage lambda probes or 1 UEGO, tight aluminum housing.


ENR.E60800

E-400 OBD 8 CYLINDER

Designed for all types of 8 Cylinder vehicles. Very lightweight, shock resistance, waterproofs plastic housing, intelligent with OBD option, auto calibration and auto map correction, Gas injector heating and diagnostic, valve protection, real time diagnostic of components, best calibration result with OBD connection

ECU SETS



ENR.DG001E

E-100 DG

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ENR.DG002E

E-100DG RSV

Controller E-100DG RSV has been created in order to gain access to the dual fuel system with auto-adaptation in latest heavy-wheeled vehicles. It is used in the cars equipped with an analogue accelerator pedal, i.e. Renault, Scania, Volvo. It possesses the official certification and approval to transport ADR goods. Two analogue emulation channels allowing the control of Common Rail, Analogue TPS, Map sensor, Flowmeter sensors.



ENR.DG003E

E-100DG DIGI

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ENR.DG004E

E-100DG PLUS

It combines the best features of other controllers and allows operation simplest vehicles with a mechanical pump and the newest structures Euro 6. It is the first DIESELGAS controller with an in-built CAN interface. It stands out thanks to its enhanced precision of analogue emulators. It is now possible to cooperate with GPS module and there is a remote update via GPRS. In order to provide fitters with comfort, a longer 5-meter group divided into 2 sectors combined by a hermetic joint has been used. A developed set of analogue and digital emulators has been used. Also, a frequency emulator for flowmeters has been added.



ENR.DI6004E

ENERIGA DI 600

DI 600 is also characterized by the innovative design of its highly thermal efficient metal case. DI 600 ECU is designed for 3-4 cylinders direct injection engines, in which the fuel is injected at a high pressure directly in the combustion chamber.

SYSTEM SPARE PARTS

COOPER TUBES

SYSTEM SPARE PARTS



ENR.CT0006

COPPER TUBE 6MM

ECE R67 approved 8mm diameter copper tube available in 0.8-1.00 thickness of your choice.



ENR.CT0008

COPPER TUBE 8MM

ECE R67 approved 6mm diameter copper tube available in 0.8-1.00 thickness of your choice.

SENSORS

SYSTEM SPARE PARTS



ENR.WP4050

ENERGIA WP4 LEVEL SENSOR



ENR.WP2090

ENERGIA WP2 LEVEL SENSOR



ENR.AEB1090

ENERGIA 1090 LEVEL SENSOR



ENR.AEB1050

ENERGIA 1050 LEVEL SENSOR



ENR.AEB0200

ENERGIA CNG MANOMETER

REDUCER ACCESSORIES

SYSTEM SPARE PARTS



ENR.RPT0007

MAINTENANCE KIT EN07



ENR.RPT007G

MAINTENANCE KIT EN07 WITH GASKET



ENR.RPT0009

MAINTENANCE KIT EN09



ENR.RPT009A

MAINTENANCE KIT EN09 A



ENR.RPT0013

MAINTENANCE KIT EN13



ENR.TS0009

ENERGIA SOLENOID N09



ENR.TS0007

ENERGIA SOLENOID N07



ENR.TSS001

ENERGIA LPG-CNG TEMPERATURE SENSOR WITH PLUG



ENR.TSRS01

ENERGIA LPG-CNG REDUCER SENSOR WITH PLUG



ENR.TSS002

ENERGIA LPG-CNG REDUCER SENSOR NO PLUG



ENR.TSC001

ENERGIA BLUE COIL 12 V 17W



ENR.TSC002

ENERGIA BLACK COIL 12 V 11W

THERMOPLASTIC EQUIPMENT

SYSTEM SPARE PARTS



ENR.902108

**LPG THERMOPLAS-
TIC HOSE 08 X 1
ROLL (50 M)**



ENR.902106

**LPG THERMOPLAS-
TIC HOSE 06 X 1
ROLL (50 M)**



ENR.90701

**THERMOPLASTIC
RING 08**



ENR.90700

**THERMOPLASTIC
RING 06**



ENR.90073

**THERMOPLASTIC
ELBOW SET 135° 08 /
M16X1 / 08**



ENR.90072

**THERMOPLASTIC
ELBOW SET 135° 06 /
M14X1 / 06**



ENR.90071

**THERMOPLASTIC
ELBOW SET 90° 08 /
M16X1 / 08**



ENR.90070

**THERMOPLASTIC
ELBOW SET 90° 06 /
M14X1 / 06**



ENR.9078

**THERMOPLASTIC
BOLT 08 / M16X1 / 08**



ENR.9075

**THERMOPLASTIC
NUT 08 / M16X1**



ENR.9073

**THERMOPLASTIC
BOLT 06 / M14X1 / 06**



ENR.9070

**THERMOPLASTIC
BOLT 06 / M14X1 / 06**

TEMPERATURE TYPES

SYSTEM SPARE PARTS



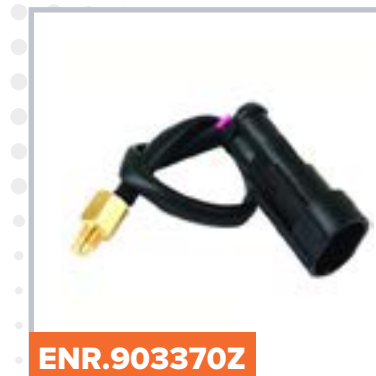
ENR.903380

**LPG - CNG REDUCER
TEMPERATURE SENSOR**



ENR.903372

**LPG - CNG
TEMPERATURE SENSOR
012 X 012 X 05**



ENR.903370Z

**LPG - CNG
TEMPERATURE SENSOR**

T CONNECTORS

SYSTEM SPARE PARTS



ENR.9021616

**GAS FLOW
ADJUSTER PLASTIC
016 X 06**



ENR.9021612Y

**GAS FLOW
ADJUSTER PLASTIC
016 X 012 X 012**



ENR.9021612

**GAS FLOW
ADJUSTER PLASTIC
016 X 012**



ENR.9011814

**GAS FLOW
ADJUSTER PLASTIC
018 X 014**



ENR.9011812

**GAS FLOW
ADJUSTER PLASTIC
018 X 012**



ENR.9001616

**GAS FLOW
ADJUSTER METAL
016 X 016**



ENR.9001612

**GAS FLOW
ADJUSTER METAL
016 X 012**



ENR.9001010

**GAS FLOW
ADJUSTER METAL
010 X 010**

FILTER SPARES

SYSTEM SPARE PARTS


 ENR.9010
 LPG FILTER
 SOLENOID VALVE

 ENR.9011
 LPG FILTER
 SOLENOID VALVE

 ENR.9013
 LPG FILTER
 SOLENOID VALVE

 ENR.9014
 LPG FILTER
 SOLENOID VALVE

 ENR.9015
 LPG FILTER
 SOLENOID VALVE

 ENR.9030
 LPG FILTER
 SOLENOID VALVE
 BIG

 ENR.FCV001
 ENERGIA VALTEK
 PAPER CARTRIDGE

 ENR.F01203
 ENERGIA LPG
 REDUCER FILTER

 ENR.FTS001
 ENERGIA FILTER
 ENRS01

 ENR.9091
 LPG FILTER COPPER
 PIPE 8 MM

 ENR.9090
 LPG FILTER COPPER
 PIPE 6 MM

BRASS FITTINGS

SYSTEM SPARE PARTS


 ENR.900060
 ELBOW SET135°
 M10X1 / M10X1

 ENR.900061
 ELBOW SET135°
 M10X1 / G1 / 4-19

 ENR.900052
 ELBOW SET90°
 M14X1 / G1 / 4-19

 ENR.900051
 ELBOW SET90°
 M10X1 / G1 / 4-19

 ENR.900050
 ELBOW SET90°
 M10X1 / M10X1

 ENR.90401
 VALVE SET OF
 MULTIVALVE M14X1

 ENR.90400
 VALVE SET OF
 MULTIVALVE M11X1

 ENR.90302
 PIPE COUPLING SET
 08 / 08

 ENR.90301
 PIPE COUPLING SET
 06 / 08

 ENR.90300
 PIPE COUPLING SET
 06 / 06

 ENR.90201
 NIPPLE SET M10X1 /
 G1 / 4-19 METAL

 ENR.90040
 CNG MANOMETER
 T SET

 ENR.90011
 T SET 08 X 06 X 08

 ENR.90010
 T SET 08 X 08 X 08

 ENR.902
 T SET 06 X 08 X 06

 ENR.901
 T SET 06 X 06 X 06

HOSE SET TYPES

SYSTEM SPARE PARTS



ENR.90062

LPG - CNG HOSE SET
8 CYL. GDI



ENR.90061

LPG - CNG HOSE SET
6 CYL. GDI



ENR.90060

LPG - CNG HOSE SET
4 CYL. GDI



ENR.90052

LPG - CNG HOSE SET
8 CYL



ENR.90051

LPG - CNG HOSE SET
6 CYL



ENR.90050

LPG - CNG HOSE SET
4 CYL



ENR.902004

LPG-CNG HOSE
Ø4,0 X Ø9,0



ENR.902005

LPG-CNG HOSE
Ø5,0 X Ø11,0



ENR.902010

LPG-CNG HOSE
Ø10,0 X Ø16,0



ENR.902012

LPG-CNG HOSE
Ø10,0 X Ø16,0



ENR.902016

LPG-CNG HOSE
Ø16,0 X Ø24,0



ENR.902058

WATER HOSE 5/8

COIL TYPES

SYSTEM SPARE PARTS



ENR.90173

12 V-DC 17 W COIL
BLUE



ENR.90172Y

12 V-DC 17 W COIL
GREEN



ENR.90171

12 V-DC 17 W COIL
ORANGE



ENR.90170A

12 V-DC 17 W COIL
RED AMP

COIL TYPES

SYSTEM SPARE PARTS



ENR.90420Y

12 V-DC 42 W COIL
VACUUM GREEN



ENR.90420

12 V-DC 42 W COIL
VACUUM RED



ENR.90176A

12 V-DC 17 W COIL
RED 06 AMP



ENR.90176

12 V-DC 17 W COIL
RED 06



ENR.90170

12 V-DC 17 W COIL
RED



ENR.90113

12 V-DC 11 W COIL
BLUE



ENR.90112Y

12 V-DC 11 W COIL
GREEN



ENR.90110

12 V-DC 11 W COIL
RED



ENR.90083

12 V-DC 8W COIL
BLUE



ENR.90080Y

12V-DC 8W COIL
GREEN WITHOUT
MARKING



ENR.90080

12V-DC 11 W COIL
RED



ENR.9004

COIL GREEN 3 OHM



ENR.9003

COIL BLUE 3 OHM



ENR.9002

COIL RED 3 OHM

CONNECTION STEEL TYPES

SYSTEM SPARE PARTS



ENR.9000036

**CONNECTION STEEL
SHORT 124 X 18 X
3,00 MM**



ENR.900059

**CONNECTION STEEL
CNG 01**



ENR.900049

**TANK BELT SHEET 30
MM**



ENR.900044

**TANK BELT SHEET 20
MM**



ENR.900038

**CONNECTION STEEL
LONG 200 X 18 X
3,00 MM**



ENR.900037

**CONNECTION STEEL
MEDIUM 152 X 18 X
3,00 MM**



ENR.900026

**CONNECTION STEEL
FILLING POINT D01**



ENR.900025

**CONNECTION STEEL
152 X 30 X 3,00 MM**



ENR.90101

FRONT PLUG SET

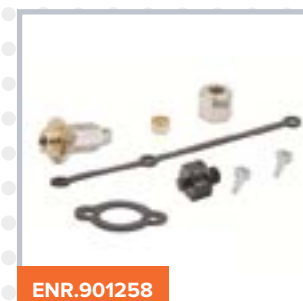


ENR.90100

BLACK PLUG SET

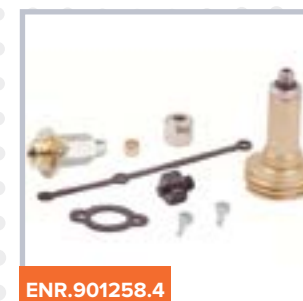
FILLING POINT TYPES

SYSTEM SPARE PARTS



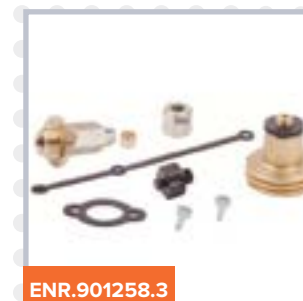
ENR.901258

**LPG FILLING POINT
D04**



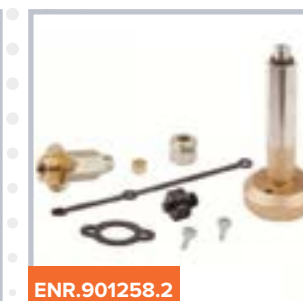
ENR.901258.4

**LPG FILLING POINT
D04 ACME LONG**



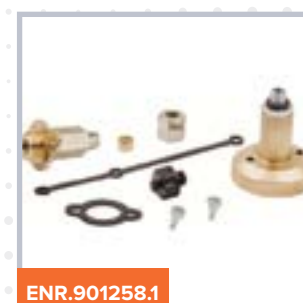
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**LPG FILLING POINT
D04 ACME SHORT**



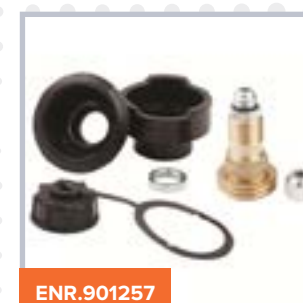
ENR.901258.2

**LPG FILLING POINT
D04 LONG**



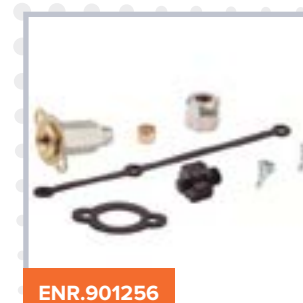
ENR.901258.1

**LPG FILLING POINT
D04 SHORT**



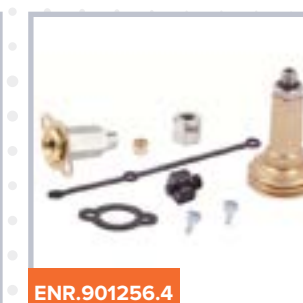
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**LPG FILLING POINT
D03 ACME**



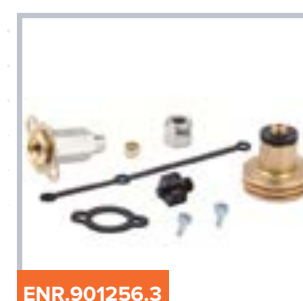
ENR.901256

**LPG FILLING POINT
D02**



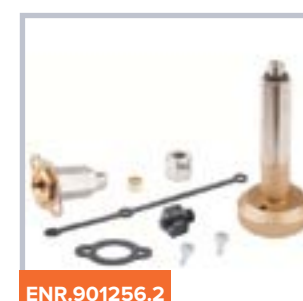
ENR.901256.4

**LPG FILLING POINT
D02 ACME LONG**



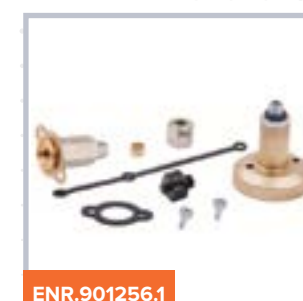
ENR.901256.3

**LPG FILLING POINT
D02 ACME SHORT**



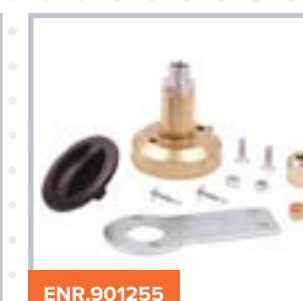
ENR.901256.2

**LPG FILLING POINT
D02 LONG**



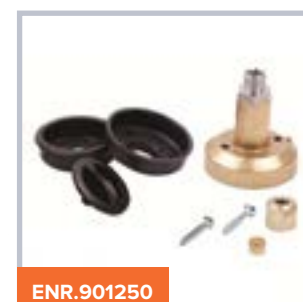
ENR.901256.1

**LPG FILLING POINT
D02 SHORT**



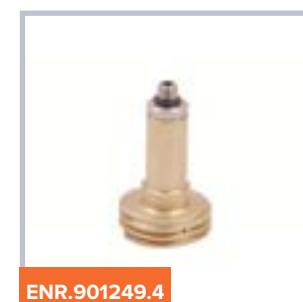
ENR.901255

**LPG FILLING POINT
D01 BRACKET**



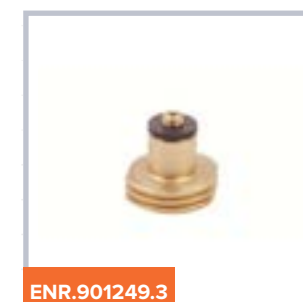
ENR.901250

**LPG FILLING POINT
D01 PLASTIC**



ENR.901249.4

**LPG FILLING POINT
ADAPTER ACME
LONG**



ENR.901249.3

**LPG FILLING POINT
ADAPTER ACME
SHORT**



ENR.901249.2

**LPG FILLING POINT
ADAPTER LONG**

FILLING POINT TYPES

SYSTEM SPARE PARTS



ENR.901249.1

**LPG FILLING POINT
ADAPTER SHORT**

HOSE COUPLING

SYSTEM SPARE PARTS



ENR.902020.1

**HOSE COUPLIN
020 / 020 PIPE**



ENR.901919

**HOSE COUPLING
019 / 019**



ENR.901916

**HOSE COUPLING
019 / 016**



ENR.901912

**HOSE COUPLING
019 / 012**



ENR.901616.1

**HOSE COUPLING
016 / 016**



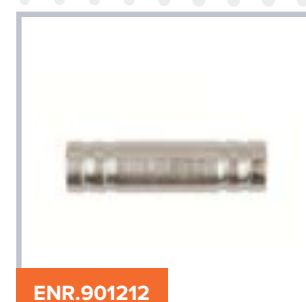
ENR.901612

**HOSE COUPLING
016 / 012**



ENR.901610

**HOSE COUPLING
016 / 010**



ENR.901212

**HOSE COUPLING
012 / 012**



ENR.901210

**HOSE COUPLING
012 / 010**



ENR.900086

**REDUCTION
M14X1 / M10X1
METAL**



ENR.900040

**REDUCTION
M10X1 / M12X1**



ENR.900039

**REDUCTION
M12X1 / G1 / 4**

HOSE COUPLING

SYSTEM SPARE PARTS



ENR.900035

BOLT M14 / 08 METAL



ENR.900023

NUT 06 / G1 / 4-19



ENR.900013

NUT 08 / G1 / 4-19

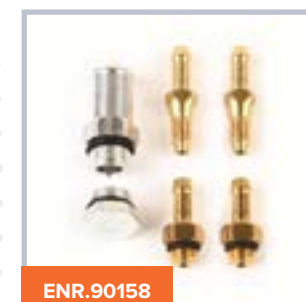


ENR.900009

BOLT M10 / 06 METAL

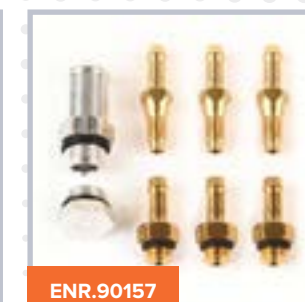
INJECTOR SPARE PARTS

SYSTEM SPARE PARTS



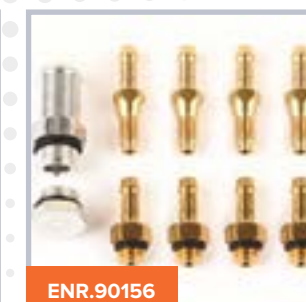
ENR.90158

**CONNECTION EQUIP-
MENT SEQUENTIAL
OF 2 CYL. INJ.**



ENR.90157

**CONNECTION EQUIP-
MENT SEQUENTIAL
OF 3 CYL. INJ.**



ENR.90156

**CONNECTION EQUIP-
MENT SEQUENTIAL
OF 4 CYL. INJ.**



ENR.90155

**CONNECTION EQUIP-
MENT SEQUENTIAL
OF 4 CYL. GDI**



ENR.90150

**INJECTOR REPAIR KIT
AHC**

NOZZLE AND FITTINGS

SYSTEM SPARE PARTS



ENR.900114

CNG NUT M24 X 1


ENR.900088

**NIPPLE M14X1 /
M14X1 METAL**


ENR.900087

**NIPPLE M14X1 /
M12X1 METAL**


ENR.900085

**NIPPLE M10X1 /
M12X1 METAL**


ENR.900084

**NIPPLE M10X1 /
M10X1 METAL**


ENR.900083

**NIPPLE M10X1 / G1 /
4-19 METAL**


ENR.900070

**HOSE CONNECTOR
M12 - 010 WITH
O-RING**


ENR.900036

**HOSE CONNECTOR
M12 - 05 WITH O-RING**


ENR.900035

**HOSE CONNECTOR
M12 - 012 WITH
O-RING**


ENR.900033

**HOSE CONNECTOR
M14 - 012 WITH
O-RING**


ENR.900032

**HOSE CONNECTOR
M14 - 010 WITH
O-RING**


ENR.900031

**HOSE CONNECTOR
M14 - 016 WITH
O-RING**


ENR.900030

**MANIFOLD NOZZLE
M6 / 06 60 MM**


ENR.900023

BOLT M14 / 08


ENR.900011

RING 06


ENR.900010

RING 08

NOZZLE AND FITTINGS

SYSTEM SPARE PARTS



ENR.90514

**STOPPER OF VALVE
OF CYLINDER M12 X 1**


ENR.90523

**MANIFOLD NOZZLE
M5 / 05 STEEL**


ENR.90513

CNG BOLT M14


ENR.90512

**CNG BOLT M14 / 08
METAL**


ENR.90511

CNG RING 08 METAL


ENR.90504

**CNG BOLT M12 / 06
METAL**


ENR.90503

CNG RING 06 METAL


ENR.90281

CNG NUT G 1/2

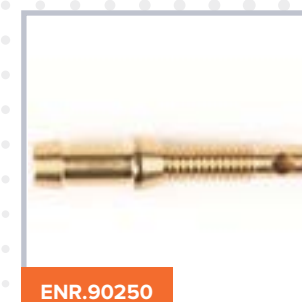

ENR.90260

**ELBOW 90° M14X1 / 0
12MM**


ENR.90259

**ELBOW 90° M12X1 / 0
12MM**


ENR.90258

**ELBOW 90° M12X1 / 0
10MM**


ENR.90250

**MANIFOLD NOZZLE
DIRECTIONAL**


ENR.90249

MANIFOLD BOLT SET


ENR.90248

**MANIFOLD BOLT SET
WITH COOPER PIPE**


ENR.90228

RING 228


ENR.90200

**NIPPLE SET M10X1 /
G1 / 4-19**

NOZZLE AND FITTINGS

SYSTEM SPARE PARTS



ENR.90076
**MANIFOLD NOZZLE
M10**



ENR.90020
**MANIFOLD NOZZLE
M6 / 05**



ENR.9088
**NIPPLE M14X1 /
M14X1**



ENR.9087
**NIPPLE M14X1 /
M12X1**



ENR.9086
**NIPPLE M14X1 /
M10X1**



ENR.9085
**NIPPLE M10X1 /
M12X1**



ENR.9084
**NIPPLE M10X1 /
M10X1**



ENR.9083
**NIPPLE M10X1 / G1 /
4-19**



ENR.9036
**HOSE CONNECTOR
M14 / 012 WITH
O-RING ALUMINIUM**



ENR.9035
**HOSE CONNECTOR
M12 / 012 WITH
O-RING ALUMINIUM**



ENR.9034
**INJECTOR BLIND CAP
M12X1 WITH O-RING
ALUMINIUM**



ENR.90.001T
**WATER OUTLET
BLOCK**

O-RING AND GASKETS

SYSTEM SPARE PARTS



ENR.90085
**O-RING 2,00X 34,00
NBR 70+5SHOERA**



ENR.90049
**GASKET FOR BACK
PLUG**



ENR.90037
**GASKET FOR
MULTIVALVE 47 X 54**



ENR.90036
**GASKET FOR
MULTIVALVE PIN**

O-RING AND GASKETS

SYSTEM SPARE PARTS



ENR.90034
**GASKET FOR FRONT
PLUG**



ENR.90033
**GASKET FOR FRONT
PLUG VR06**



ENR.90031
**GASKET FOR 11 W
PIN VITON**



ENR.90030
**GASKET FOR 17 W
PIN**



ENR.90028
**GASKET FOR
TOROIDAL TANK
STEEL COVER**



ENR.90027
**GASKET 71,00 X 3,53
FOR GAS - TIGHT
HOUSING**



ENR.90026
**GASKET 136,50 X
3,50 FOR GAS -
TIGHT HOUSING**



ENR.90012
**O-RING 2,62X 32,99
NBR 70+5SHOERA**



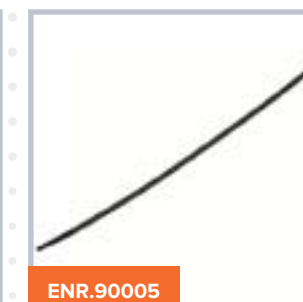
ENR.90008
**O-RING 2,00 X 6,00
NBR 70+5SHOERA**



ENR.90007
CABLE TIE 3,6 X 250



ENR.90006
CABLE TIE 2,5 X 100



ENR.90005
CABLE TIE 3,6 X 203



ENR.90003
**PVC TAPE 0,13 X
19MM X 10 YDS**



ENR.90002
**CABLE TAPE 839
WITHOUT PLUME**

PLASTIC PARTS

SYSTEM SPARE PARTS



ENR.9000062

**IDLING ADJUSTER
FOR REDUCER M10X1
WITH O-RING VR06**


ENR.9000061

**ELBOW FOR
REDUCER 011 WITH
O-RING**


ENR.900007

**ELBOW WATER FOR
REDUCER 016 WITH
O-RING**


ENR.900003

**BLIND CAP FOR
REDUCER M14X1
WITH O-RING**


ENR.900002

**IDLING ADJUSTER
FOR REDUCER M14X1
WITH O-RING**


ENR.900001

**ELBOW FOR REDUC-
ER 019 WITH O-RING**


ENR.90087

**BLIND CAP FOR
REDUCER M8X1
WITH O-RING**


ENR.90064

**HOSE CONNECTOR
M20 / 019 PLASTIC**


ENR.90065

**HOSE CONNECTOR
M20 / 012 PLASTIC**


ENR.90086

**IDLING ADJUSTER
FOR REDUCER M10X1
WITH O-RING**
SCREW CLAMP TYPES

SYSTEM SPARE PARTS



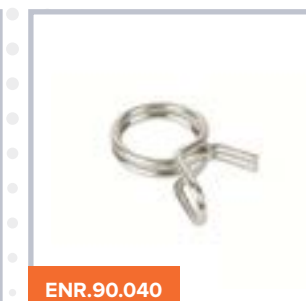
ENR.90.081

**SCREW CLAMP 60 X
80**

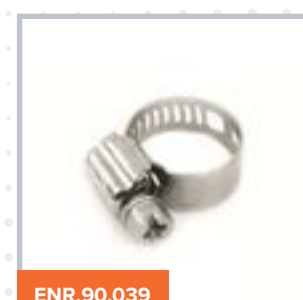

ENR.90.046

CLAMP W19 X 7

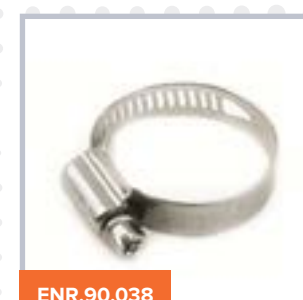

ENR.90.044

CLAMP W1 11 X 9


ENR.90.040

SPRING CLAMP


ENR.90.039

**SCREW CLAMP
12 X 20**


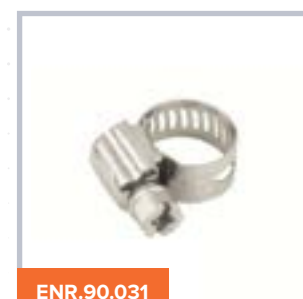
ENR.90.038

**SCREW CLAMP
23 X 35**

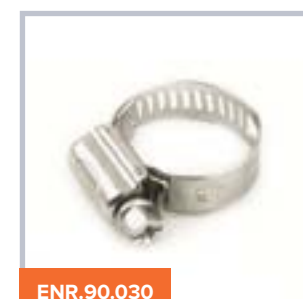

ENR.90.037

**PIPE CLAMP 91,00 X
14,00 X 0,50 MM**

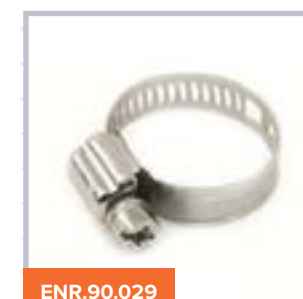

ENR.90.032

**PIPE CLAMP 65,00 X
14,00 X 0,50 MM**


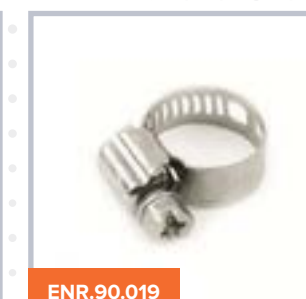
ENR.90.031

**SCREW CLAMP
8 X 12**


ENR.90.030

**SCREW CLAMP
16 X 25**


ENR.90.029

**SCREW CLAMP
19 X 26**


ENR.90.019

**SCREW CLAMP
13 X 19**
PETROL VALVES

SYSTEM SPARE PARTS



ENR.60001

**ENERGIA PV01
PETROL VALVE**

GAS TIGHT HOSINGS

SYSTEM SPARE PARTS



**GAS-TIGHT HOUSING
CYLINDER 30°**



GAS-TIGHT HOUSING CYLINDER 90°



GAS-TIGHT HOUSING TOROIDAL EXTERNAL

EMULATORS

SYSTEM SPARE PARTS



UNIVERSAL EMULATOR EM00J



**UNIVERSAL
EMULATOR EMOOU**

TIMING RELAY

SYSTEM SPARE PARTS



LPG-CNG PETRO PUMP TIMING RELAY

NOTES

[illegible]

NOTES

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Head Office
Energia Alliance GmbH.

Adres: Leopoldstrass 244
80807 Munich/ Germany
Tel: +49 (0)89 / 20 80 39 - 226
Mail: info@energiaalliance.com
Web: www.energiainitaly.com

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Balkans

Energia Alliance D.o.o
Adres: Magistralni Put – Maline bb
Živinice Bosna i Hercegovina
Tel: +387 35 744 091
Fax: +387 35 744 093
Besplatna linija: 080 02 11 11
Mail: info@energiaalliance.ba

Asia & Middle East

Energia Alliance Ltd. Sti.
Adres: Konak Mah. Lefkose Cad.
Baris (120) Sok. OFIS + No:3 Kat:1
Daire No: 12 Bursa / Turkey
Tel: +90 224 205 0474
Fax: +90 850 2200 451
Mail: info@energiaalliance.com

South East Asia

Energia Alliance Co., Ltd.
Adres: 321 Pattanakarn Rd, Pravet,
Bangkok 10250, Thailand
Tel: +662 722 4440
Fax: +662 722 4443
Mail: info@energiaalliance.co.th

Energia Alliance Co., Ltd.
Adres: 301E, National Road No.6A,
Phum Kien Khleung Sangkat Chhrouy
Changvar, Khan Russey Keo, Phnom
Penh, Cambodia
Teller: +855 17 799 862
Fax: +855 24 432 368
Mail: info@energiaalliance.com.kh