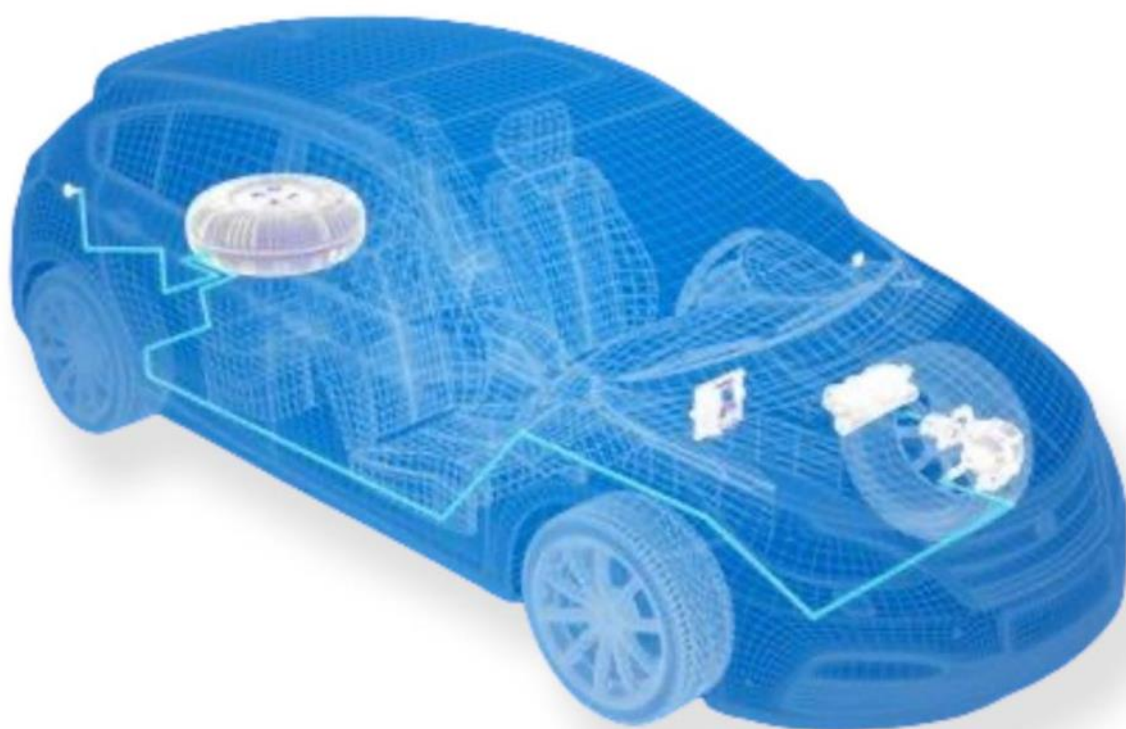




# PRODUCTS CATALOGUE 2022



Headquartered in Milan and operating in Brescia, AD ECOMOTIVE Srls is a brilliant start-up in the automotive sector that has devoted particular attention to technological innovation and to the environment.

AD ECOMOTIVE Srls operates with a regional and international structure consolidated by its founding partners, with more than 10 years of experience in the automotive industry.

Efficiency, customer service, integrated logistics, decentralized management of decision making, all handled of by a young team used to work in international contexts. A slim, dynamic business model is the key of our success.

Our product concept includes everything that concerns ecological mobility, projected to the future. Wireless communication technologies, vehicle equipment, mobility systems that use alternative energy such as electricity and gas.

We live our corporate project as an alternative model of mobility that respects the environment and at the same time as a sustainable development opportunity to leave to the next generations.

AD

ECOMOTIVE



Sales / Export Team  
AD Ecomotive Srls

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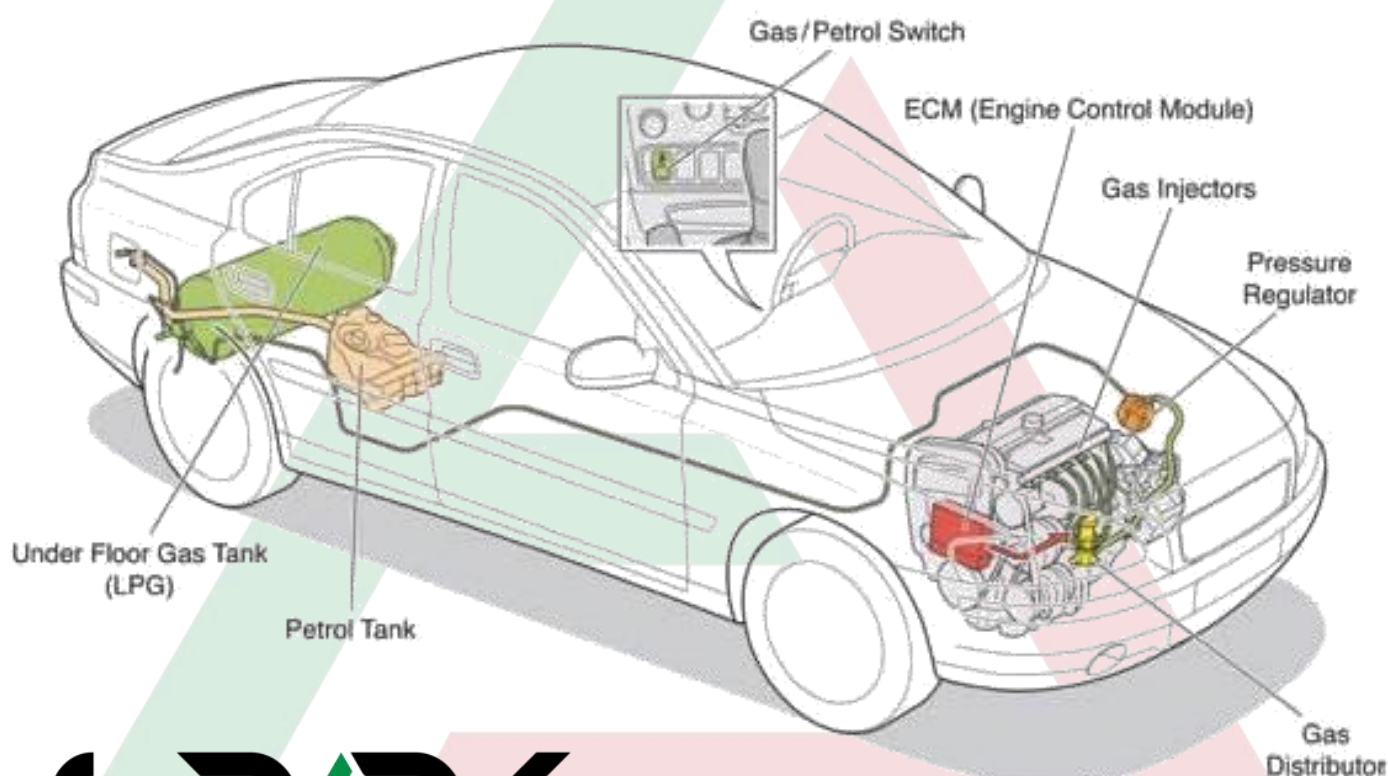
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\*\*\* All pictures shown in the following pages are for products illustration purposes only, may not correspond to the real products in dimensions, colors and external appearance. \*\*\*

## AUTOMOTIVE AUTOGAS SYSTEMS & SPARE PARTS LPG & CNG

AD Ecomotive Srls is also a provider of LPG & CNG autogas conversion systems, accessories and spare parts. We can supply the last technology parts from the leading Italian producers.

For all your needs of gas electronic control systems, gas injectors, lpg regulators and cng reducers, gas filters, gas hoses and other parts please do not hesitate to contact us for youe inquiries.



**SPARK**  
sistemi autogas

**TOMASETTO ACHILLE**  
components for LPG & CNG systems

**A.E.B.**  
ALTERNATIVE FUEL ELECTRONICS

**RAIL**

**OMB**

**AUTRONIC**  
sistemi elettronici

**FARO**

**VIALLE**  
drive-clean-power

**VALTEK**



AD Ecomotive distribute worldwide SPARK sistemi autogas.

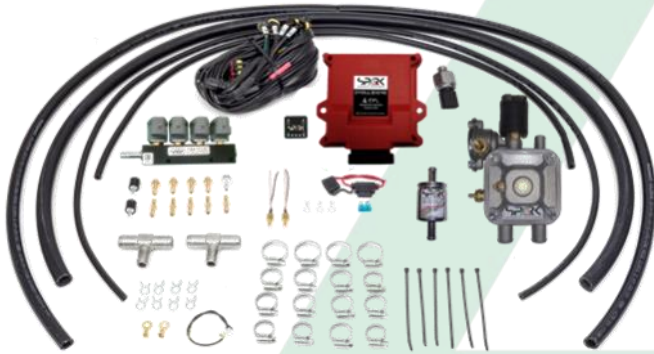
The products are designed in Italy and represent the excellence in the components for conversion systems field.

All the parts are grant in quality through several compliance and validation tests based on the highest international automotive standards.

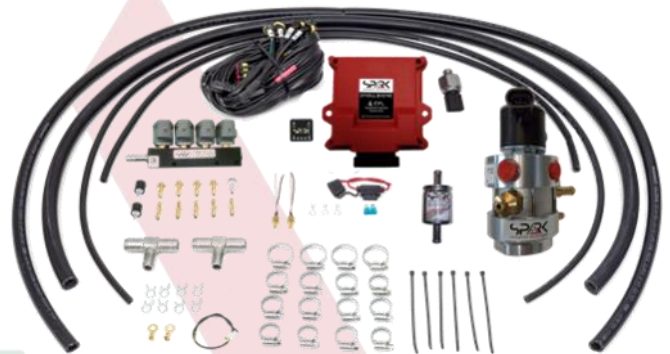
We have a full range of autogas systems for converting automotive engines from petrol to LPG/CNG.  
Please contact us for your inquiries and more products specifications.

### SPARK EVOLUZIONE SEQUENTIAL KIT 4 CYL.

LPG

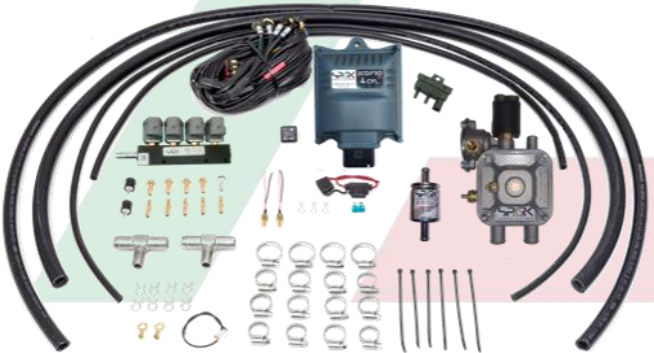


CNG

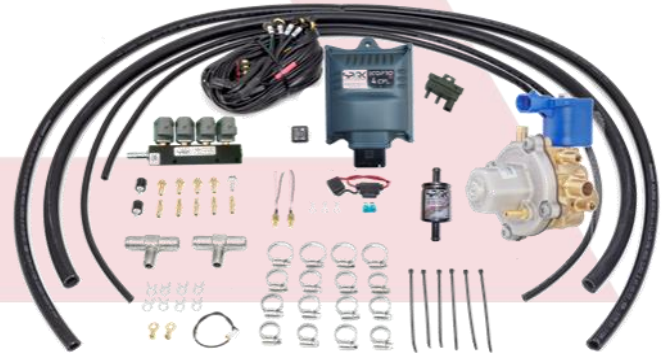


### SPARK ECOPRO 32 SEQUENTIAL KIT 4 CYL.

LPG



CNG



### SPARK ECOCOMFORT 32 SEQUENTIAL KIT 4 CYL. (available also OBD version)

LPG



CNG







SPARK ECOCOMFORT SEQUENTIAL KIT 8 CYL. OBD

LPG



CNG



SPARK ECOPRO 6-8 SEQUENTIAL KIT 8 CYL. OBD

LPG



CNG



AD

E

TIVE





## DIESEL MIX-FUEL SYSTEM

The Dual Fuel Diesel hybrid that guarantees to heavy vehicles the reduction up to 40% of diesel consumption.

### The solution to convert your diesel vehicle to run with mix-fuel diesel/lpg.

Diesel-LPG mix-fueling technology has been present on the market for 10 years. The SPARK Mix Fuel system combines Diesel and LPG in the combustion chamber of the converted engine, producing pure energy and solving the high temperature problems typical of DPF.

Combustion keeps DPF clean without ever replacing it, as well as the engine itself, reducing maintenance costs. The increase in engine power and its torque increases the longevity of the engine and improves performance.

### **DEDICATED INSTALLATIONS**

SPARK MIX-FUEL conversion kit use the most technologically advanced electronic system for controlling and dose the fuels injection, correctly mixed between diesel and LPG. We use mechanical components, LPG reducers and injectors of most known manufacturers for best performances and durability.

The control of the gas injectors is electronic and is based on information on the load, the rotation speed of the crankshaft and the temperature of the exhaust system. The installation, therefore, is dedicated for vans, trucks, boats and all vehicles with diesel engines. As well as for cars and medium and light commercial vehicles.

### **THE GREEN SOLUTION**

The SPARK Mix-Fuel Diesel-LPG cuts 20% on the CO2 emissions, and practically zeroes the fine dust emissions (PM10, PM2 / 3) harmful to health and which often cause the traffic blockade in urban areas.





## ELECTRIC PUMP FOR LIQUID LPG

### To easy & quick transfer the liquid gas between two tanks

Do you need to transfer the LPG from the old tank to a new one?

Do you need to fill the autogas LPG tank from a house LPG cylinder?

This is the solution for you!

#### Technical data:

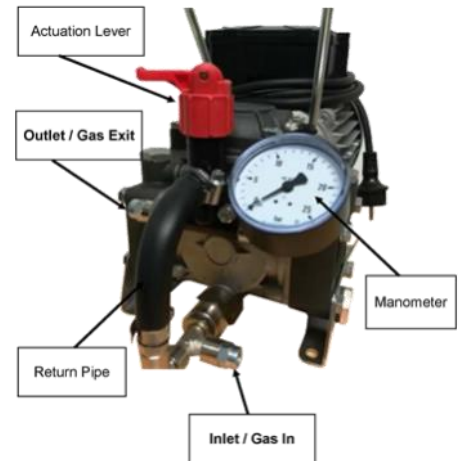
Electric Power: 220V

Power: 0,67kW (0,9HP)

Max working pressure: 20bar

Max flow: 18 l/min (water)

INLET / OUTLET: M10x1 female thread for copper or thermoplastic pipe diam. 6mm with bicone connection



#### Accessories



Filling Point Dispenser

Thermoplastic Pipes Kit



**SPARK BRANDED PRODUCTS**



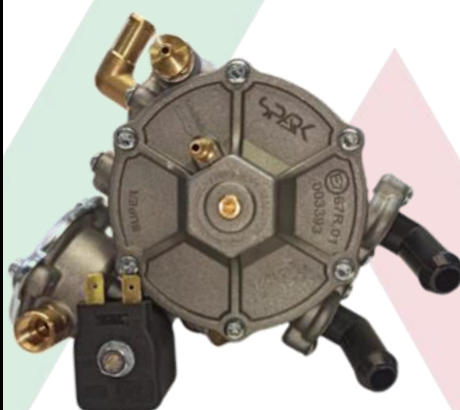
**SPARK LPG REDUCER RG1**

Suitable for medium-sized engines up to about 110 KW



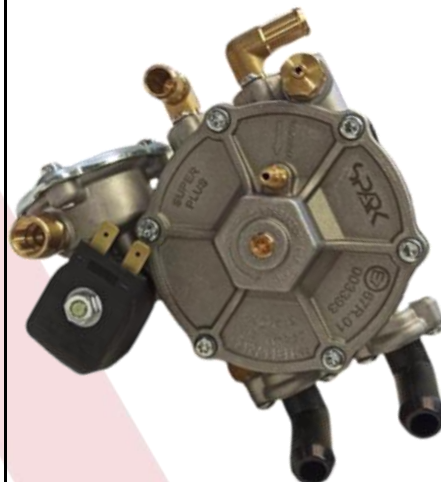
**SPARK LPG REDUCER SUPER**

Suitable for engines power up to about 185 KW



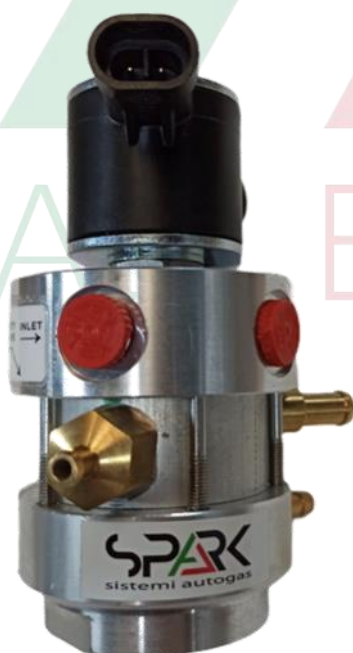
**SPARK LPG REDUCER SUPER PLUS**

Suitable for medium-big-sized engines up to about 280 KW



**SPARK CNG REDUCER TYRION**

One-stage reducer provided with inlet high pressure solenoid valve, compact size, available from 2 bar up to 8 bar nominal pressure  
UP TO 250KW



**SPARK LPG MULTIVALVE WITH COIL COMPLETE WITH SENSOR**

Available in STANDARD version (6 mm outlet fitting and normal internal passages) for 30° cylindrical tanks and 30° internal toroidal tanks; and EXTRA version (8 mm outlet fitting and normal internal passages) for 30° cylindrical tanks and 30° internal toroidal tanks



SPARK BRANDED PRODUCTS



**SPARK FILLING VALVE FOR PETROL DOOR**



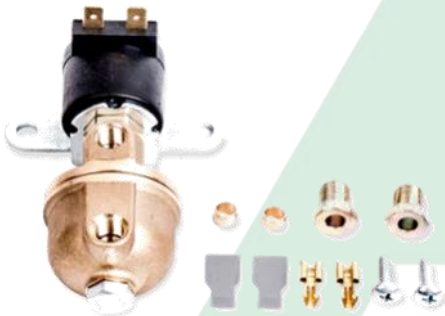
**SPARK FILLING VALVE FOR BUMPER**



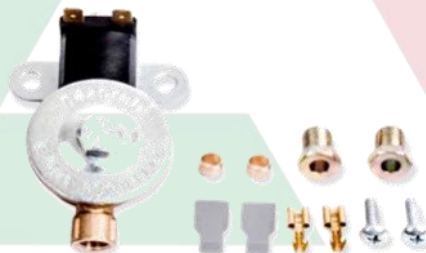
**SPARK ACME FILLING VALVE FOR PETROL DOOR**



**SPARK LPG SOLENOID VALVE (SP2)**



**SPARK LPG SOLENOID VALVE (SP7)**



**SPARK PETROL SOLENOID VALVE (SP4)**



**SPARK PETROL SOLENOID VALVE (SP5)**



**SPARK PETROL SOLENOID VALVE (SP6)**



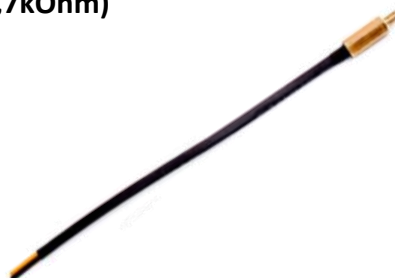
**SPARK VALVE SAVER KIT**



**MULTIVALVE LEVEL SENSOR (available type 1050 & 1090)**



**TEMPERATURE SENSOR FOR REDUCER / INJECTORS M5 (4,7kOhm)**




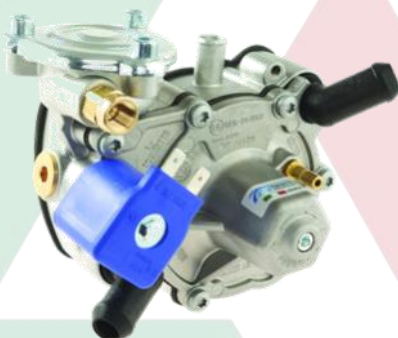


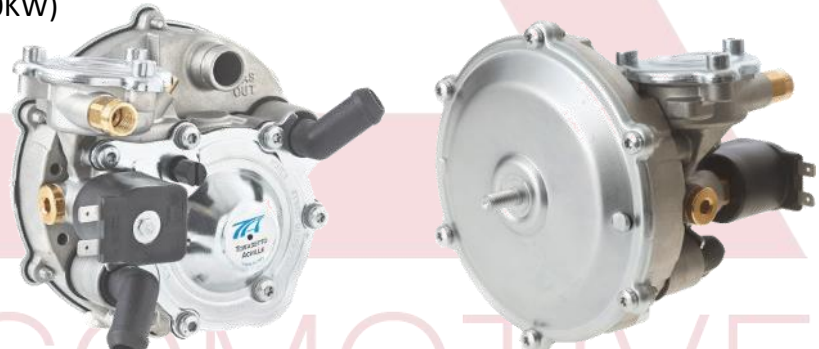
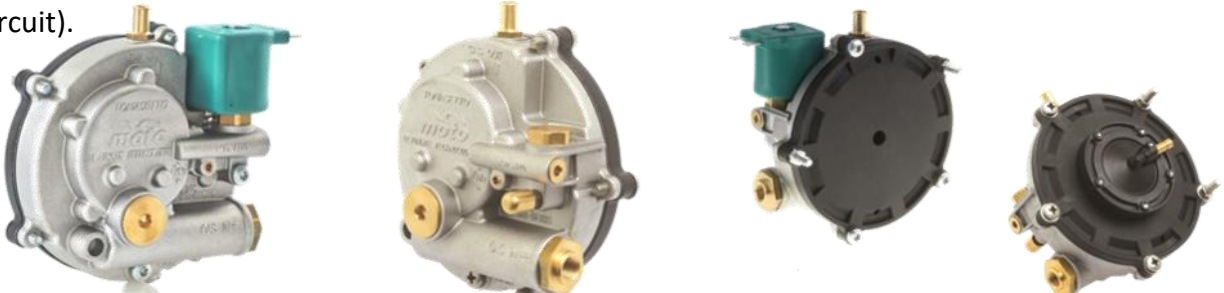
## AUTOGAS PARTS - LPG & CNG

### TOMASETTO PRODUCTS

Tomasetto Achille Spa: leader in quality mechanical components for LPG and CNG systems

Made in Italy

Tomasetto Achille Spa Company is worldwide recognized for the technology, the quality and reliability of the products, as well as for the efficiency in providing service to the customer. Seeking for continuous improvement, customer satisfaction, high flexibility and investments in technologies are, since 30 years, the guidelines of the Company.

<p><b>TOMASETTO LPG REDUCER AT09 ALASKA</b> Suitable for medium-sized engines up to about 90 KW</p> 	<p><b>TOMASETTO LPG REDUCER AT09 NORDIC</b> Suitable for engines power up to about 125 KW</p> 	<p><b>TOMASETTO LPG REDUCER AT09 NORDIC XP</b> Suitable for medium-big-sized engines up to about 180 KW</p> 
<p><b>TOMASETTO LPG REDUCER AT13 XP</b> Suitable for big-sized engines up to about 275 KW</p> 	<p><b>TOMASETTO LPG REDUCER AT07</b> Two stages electronic reducer, suitable for traditional carbureted systems. Available in 100HP(75KW) - 140 HP(105KW) - SUPER (140KW)</p> 	
<p><b>TOMASETTO LPG REDUCER AT10 MOTO</b> LPG reducer model AT10 is a 2 stages electronic reducer, suitably developed for applications on motorbikes and small vehicles, with LPG withdrawal in vapour phase (this reducer is not provided with heating circuit).</p> 		

## AUTOGAS PARTS - LPG & CNG

### TOMASETTO PRODUCTS

Tomasetto Achille designs and manufactures pressure reducers for CNG automotive systems, both sequential and traditional, calibrated for different engines and suitable for different climatic conditions.

#### TOMASETTO CNG REDUCER AT12 STANDARD

2 stages reducer, equipped with a low pressure solenoid valve (to be used with in-line cng cut-off valve)

UP TO 125KW



#### TOMASETTO CNG REDUCER AT12 SUPER

2 stages reducer, equipped with an integrated high pressure solenoid valve at the inlet

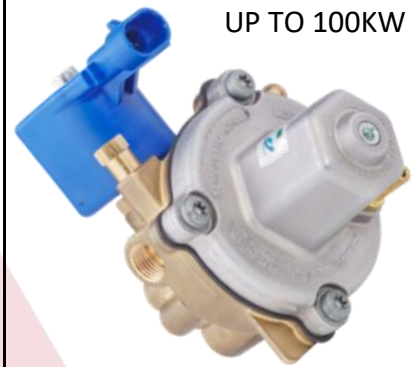
UP TO 250KW



#### TOMASETTO CNG REDUCER AT20

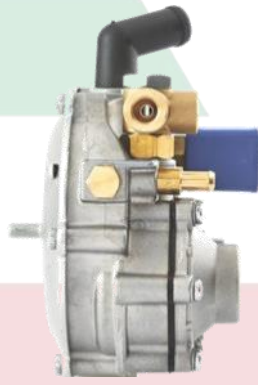
One-stage reducer provided with inlet high pressure solenoid valve, compact and very reliable

UP TO 100KW



#### TOMASETTO CNG REDUCER AT04

3 stages electronic reducer for traditional systems. Available in 3 versions, dedicated to different types of engines: 100HP(75KW) - 140 HP(105KW) - SUPER(140KW)



#### TOMASETTO LPG & CNG REDUCER MAINTENANCE KITS

For all the range of LPG & CNG reducers are available the original maintenance kits and spare parts. You can inquiry to us which is the proper one for your reducer.



## AUTOGAS PARTS - LPG & CNG

### TOMASETTO PRODUCTS

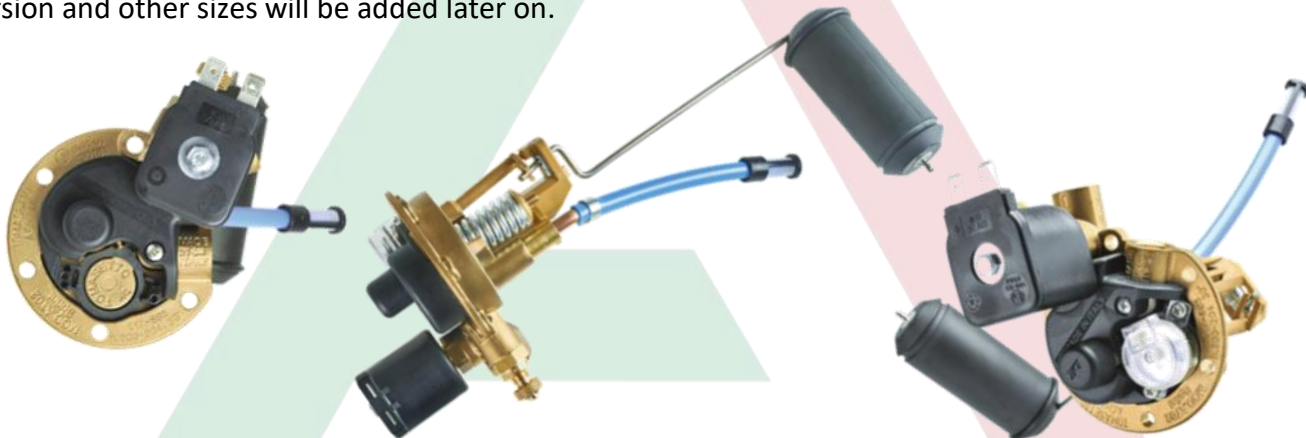
Multivalves for LPG tanks are the core business of the Company: they are produced with Tomasetto Achille trademark. This state of the art product is produced in Millions of pieces, sold and installed all over the world are the evidence of the quality and reliability of Tomasetto multivalves.

Multivalves are available in different models, for every type of tank (cylindrical, toroidal or special versions), in several configurations and, upon request, in personalized versions as well.

#### TOMASETTO LPG MULTIVALVE AT02 SPRINT

Tomasetto multivalve model AT02 SPRINT for LPG tanks is based on the new products' platform called "SPRINT", common to AT00 and AT02 multivalves.

Brass body of the valve has been redesigned, thanks to an accurate fluid-dynamic and structural analysis and an improvement of the hot-forging process developed with our suppliers. The result is a lighter body with the same mechanical features of the current model AT02. Available in STANDARD version (6 mm outlet fitting and normal internal passages) for 30° cylindrical tanks and 30° internal toroidal tanks; EXTRA version and other sizes will be added later on.



#### TOMASETTO LPG MULTIVALVE AT02

Tomasetto multivalve model AT02 is equipped with all safety devices: pressure relief valve (PRV), pressure relief device (PRD), solenoid valve, 80% filling limiter, excess flow valve, non-return valve, manual (service) valve. Tomasetto multivalve model AT02 is available for 0°, 30°, 90° cylindrical tanks, for 30° and 37° internal toroidal tanks and for 0° external tanks; also all the sizes are available in STANDARD version with 6mm outlet fitting and normal internal passages and EXTRA version with 8mm outlet fitting and larger internal passages.



## AUTOGAS PARTS - LPG & CNG

### TOMASETTO PRODUCTS

#### TOMASETTO LPG MULTIVALVE AT00 SPRINT

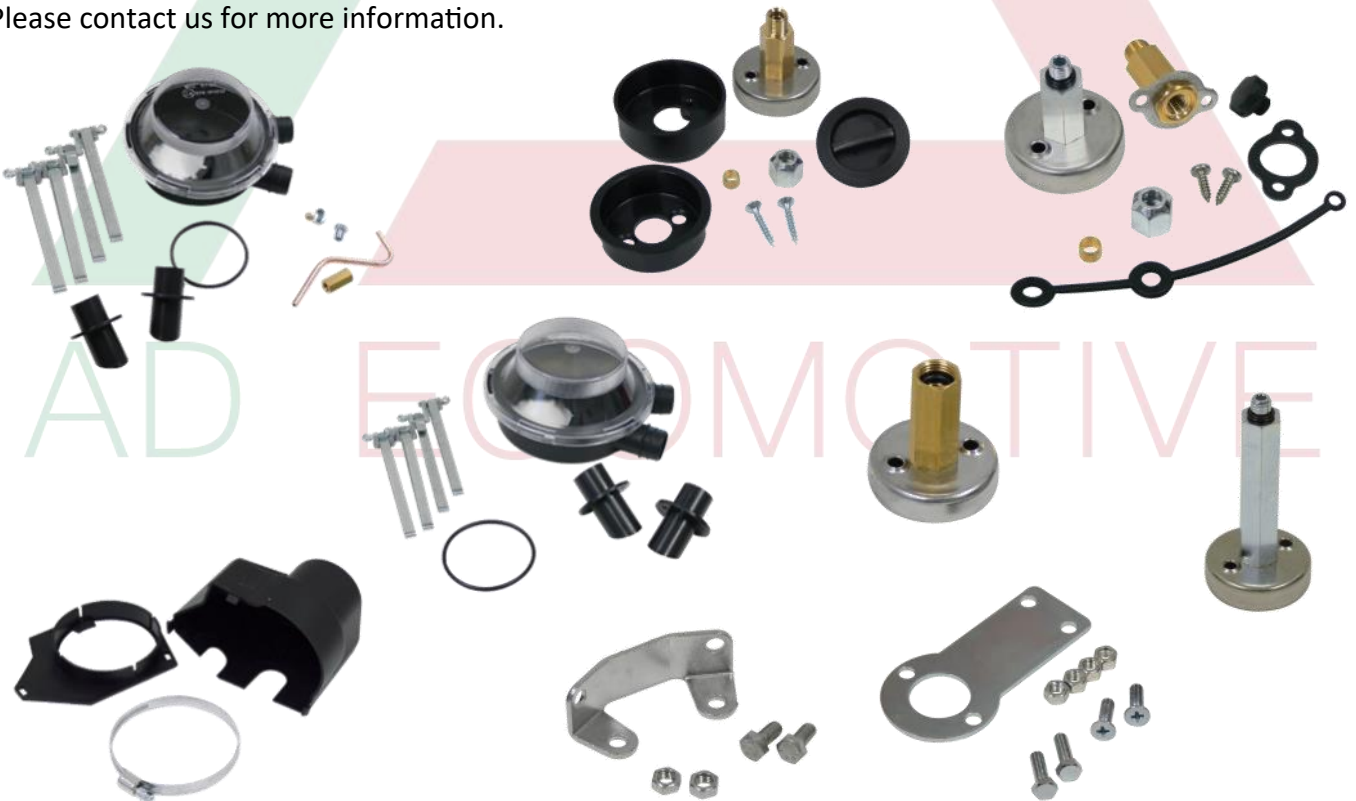
In conformity with previous European Regulation ECE 67R-00

The new LPG multivalve AT00 SPRINT is the evolution of the former AT00 model, designed with the double aim of further optimize the features of the existing AT00 model and also differentiate body's shape from similar products. This new version differs for a lighter body with the the same mechanical features and a new 80% valve with integrated non-return valve. The AT00 SPRINT model is available both in Standard and Extra version, equipped with bigger internal passages. Tomasetto multivalves model AT00 SPRINT are available for the most common types of LPG tanks, both cylindrical and toroidal



#### TOMASETTO LPG MULTIVALVE GAS TIGHT HOUSING & ACCESSORIES

We can provide the full range of Tomasetto LPG Filling point, accessories and spare parts. Please contact us for more information.



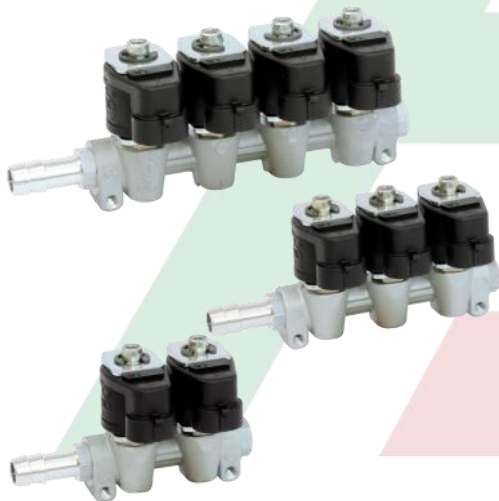
## AUTOGAS PARTS - LPG & CNG

### RAIL PRODUCTS

RAIL has a dynamic and specialized staff able to put into practice their skills at client's service to find the right solution for every need. The professionalism and dedication are indeed the main characteristics that distinguish RAIL. In the market thanks to valuable technical consultation, able to support the customers in pre and post sales phase. During these years, RAIL continued its expansion process designing and producing different models of products / injectors that came to know RAIL brand in over 30 countries around the world. RAIL has specific and advanced equipment to produce and test products, in compliance with applicable quality and safety standards.

#### INJECTOR IG1 OLD

Rail injector for gaseous LPG and Natural Gas. Version with 0,6mm stroke and with 0,45mm stroke. Coils with 2-way built-in watertight connector, compatible with Amp/Delphi. Body made of aluminium. Not very sensitive to dirt accumulation, very moderate price, easy maintenance and easy to clean. Accurate study on the internal flow dynamics. Available in 2, 3 and 4 cylinders configuration.



#### INJECTOR IG1 APACHE

Rail injector for gaseous LPG and Natural Gas. Single version with 0.6 mm stroke. 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, moderate price, easy maintenance and easy to clean. Improved internal flow dynamics. Available in 2, 3 and 4 cylinders configuration.

#### INJECTOR IG1 APACHE HD

Rail injector for gaseous LPG and Natural Gas. Single version with 0,45mm stroke. Ideal for Euro5 and Euro6 engines, up to 35 HP/cyl. Coils with 2-way built-in watertight connector, compatible with Amp/Delphi. Body made of black anodized aluminium. High performances in term of duration thanks to the highly resistant materials. Available in 2, 3 and 4 cylinders configuration.





## AUTOGAS PARTS - LPG & CNG

### RAIL PRODUCTS

#### INJECTOR IG2 METIS

Single injector for gaseous LPG and Natural Gas. Single version with 0.6 mm stroke. Coil with 2-way built-in watertight connector, compatible with Amp/Delphi. Body made of turned, red anodized aluminium. Not very sensitive to dirt accumulation, moderate price, easy maintenance and easy to clean, compact dimensions. Suitable for pipe-mounting, does not require any brackets.



#### INJECTOR IG5 NOUMEA

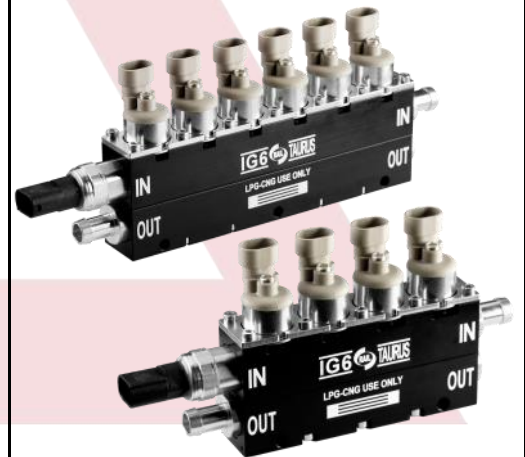
Rail Injector for gaseous LPG and Natural Gas. Single version with 0,6mm stroke. Coils with 2-ways built-in watertight connector, compatible with AMP/Delphi. Body made of polymeric material, high mechanical and high heat resistance. Modular Injector in two configurations: single with separate manifold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

Available in single, 2, 3 and 4 cylinders configuration.

#### INJECTOR IG6 TAURUS

LPG/CNG Gas dosage single point for heavy duty. Coils with 2-way built-in watertight connector, compatible with Amp/Delphi. Body made of anodized aluminium. Suited for high performance in terms of speed, flow capacity and duration, not very sensitive to dirt accumulation. Compact representation and wide flexibility in the installation on the vehicle.

Available versions also with 3 and 5 coils.



#### INJECTOR IG7 DAKOTA

Rail injector for gaseous LPG and Natural Gas. Single version with 0.47 mm stroke. Coils with 2-way built-in watertight connector, compatible with Amp/Delphi. Body in aluminium. Building technology suited for reaching high performance in terms of speed and duration. Not very sensitive to dirt accumulation. High internal flow stability and repetitiveness.

Available in 2, 3 and 4 cylinders configuration.

## AUTOGAS PARTS - LPG & CNG

### RAIL PRODUCTS

#### RAIL GAS FILTERS

We can also supply the entire range of gas filters, please enquire to us for availability and more information



**FG4 FILTER**



**FG3 FILTER**

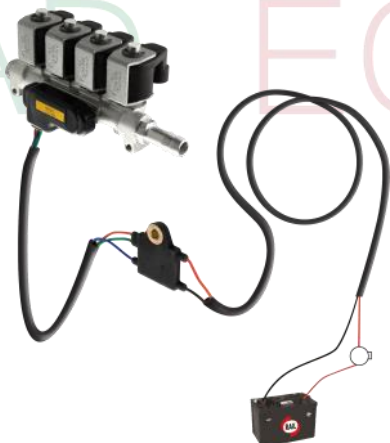


#### INJECTORS CLEANING KIT

Cleaning kit for LPG and Natural Gas injectors. Designed to clean injectors thoroughly without disassembling them from the vehicle. Suitable for all LPG and Natural Gas injectors and sequential systems operating up to a maximum pressure of 4/5 Bar.

#### IG1-IG2-IG5 SINGLE SEAT CALIBRATOR

Manual tool designed to calibrate and set the single seat injectors type IG1, IG2 and IG5.



#### RAIL HEATING KIT

Heating to place in contact with the IG1 and IG1 Apache injector body, controlled by a temperature sensor and an advanced electronic controller that controls operation only if necessary, to avoid useless current consumption and a possible too high temperature.

Easy to mount and dismount, it doesn't need maintenance. This device can reduce and solve sticking problem on the injector seat and facilitates internal plunger movements when injector is dirty.

## AUTOGAS PARTS - LPG & CNG

### OMB & TOMASETTO CNG VALVES

#### TOMASETTO CNG VALVES

CNG valves have been developed to enlarge our range of components with the aim to supply always the best ratio between quality and price.

Homologated in accordance with the European Regulation ECE R110, approved in accordance with the ENARGAS NAG415 and NAG417 and in compliance with ISO15500, our CNG valves are manufactured with high quality standards and can be equipped with all safety devices: thermo fuse (PRD), burst disc, excess flow valve, manual tap, solenoid valve.

Tomasetto CNG valves are available in different models, in several configurations and, upon request, in personalized versions as well..



**VM01 MANUAL TANK VALVE**



**VM04 FILLING VALVE NGV1**

**VM04 FILLING VALVE RUSSIA**



**VM05 AUTONATIC TANK VALVE**



**CNG CUT-OFF VALVE**

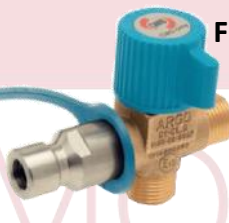
#### OMB CNG VALVES

OMB Saleri is leader in the production and development of a full range of CNG valves and components for automotive applications, both for the aftermarket and for OEM's, for light and heavy duty vehicles with a complete range of: CNG solenoid tank valves, CNG manual tank valves, filling valves and receptacles, cut-off solenoid valves, integrated or stand-alone safeties, such as PRD and TPRD safeties.

All valves are homologated in accordance with the European Regulation ECE R110, and in compliance with ISO15500.



**AUTOMATIC TANK VALVE MOON**



**FILLING VALVE ARGO NGV1 CPT**



**MANUAL TANK VALVE LIGHT**



**CNG CUT-OFF VALVE APUS 12-24V**



**FILLING VALVE ARGO RU**

**FOR ALL YOUR INQUIRY OR MORE INFORMATION REGARDING CNG VALVES DO NOT HESITATE TO CONTACT US BY EMAIL**

## AUTOGAS PARTS - LPG & CNG

### AEB PRODUCTS

AEB offer also a wide range of gas injectors, emulators, timing advance processors, sensors and feed-back systems. For any AEB products inquiry please feel free to contact us by email.

The rails of AEB are electro-injectors, whose primary function is that of batching the gas fuel (LPG/CNG) inside the engine. There are two models:

- ALUMINIUM WITH INTERCHANGEABLE NOZZLES
- TECHNOPOLYMER WITH INTERCHANGEABLE NOZZLES

The rails made of technopolymer are lighter and offer an advantageous quality/price ratio.

#### AEB RAIL POLYMER AVAILABLE FOR 2, 3 AND 4 CYLINDERS, WITH REMOVABLE NOZZLES



#### AEB RAIL ALUMINIUM AVAILABLE FOR 2, 3 AND 4 CYLINDERS, WITH REMOVABLE NOZZLES



Emulators are electronic devices that simulate several original vehicle signals that have to be interrupted or altered during gas operation (petrol injectors, Lambda probe, MAP, etc.)

Timing advance processors are electronic control units that change the original spark advance of the engine when it runs on CNG or LPG, thus optimising the engine's operation with these fuels.

Level indicators are electronic devices designed to detect the quantity of fuel (LPG or CNG) available in the tank and to send this information to the switches provided with a gauge.



## COPPER PIPE FOR AUTOGAS

Copper pipe with black PVC coating for LPG installations.

Max working pressure: 30 bar

Max working temperature: -25°C +65°C

Application: Lpg

Available:

6mm or 8mm diameter

1,00 mm or 0,80 mm thickness



## AUTOGAS PARTS - LPG & CNG

### LPG TANKS

The lpg tank is the term used for the pressurized containers at converted vehicles in which lpg is stored. It is known as auto tank as well. The pressurized containers are made of special steel material. The lpg tank is one of the most important hardware of safety use of cars. The lpg tanks are installed under, in the trunk or at the space of spare tire.

The auto lpg tanks are produced of steel material which are 2.5 more thickness those of petrol tanks and each of lpg tank is tested for leakage under 2.5 more pressure than its operating pressure.

Separately, tank samples taken from each production lot are tested in many ways in the laboratory. The inspection with x-ray, bending, tensile tests, the investigation of section welding tests with and without destruction are conducted and the lot is only approved if all tests results come out positive. One of these test is the tear test. Tank is subjected to high pressure until it is torn from one point. The pressure applied at the time of tear can go up 12 times more that tank's operation pressure at actual life conditions.

The auto lpg tanks produced and tested by authorized manufacturers in accordance with European standards, can be used safely during 10 year period. The tanks which expired the 10 year usage period will be discarded regardless of its outer shape and will be replaced with new one.

All the LPG tanks are homologate ECE-R67.

The LPG tanks are available in Toroidal External and Internal type, also Cylindrical type and various sizes. Please contact us for more information and inquiries.



#### INTERNAL TOROIDAL TANKS

Sizes:

- Diameters: from 520 to 720mm
- Height: from 180 to 270mm
- Capacity: from 27 to 88 Liters

#### EXTERNAL TOROIDAL TANKS

Sizes:

- Diameters: from 520 to 720mm
- Height: from 180 to 270mm
- Capacity: from 27 to 88 Liters



## AUTOGAS PARTS - LPG & CNG

### LPG TANKS



#### ULTRA TOROIDAL TANKS

Sizes:

- Diameters: from 570 to 720mm
- Height: from 200 to 270mm
- Capacity: from 41 to 93 Liters

#### CYLINDER TANKS

Sizes:

- Diameters: from 200 to 400mm
- Length: from 390 to 1.213mm
- Capacity: from 10 to 142 Liters



#### CARAVAN TANKS

Size:

- Diameters: 300mm
- Length/Height: 585mm
- Capacity: 29 Liters

#### MOTORCYCLE TANKS

Sizes:

- Diameters: from 244 to 400mm
- Height: from 170 to 285mm
- Capacity: from 6 to 29 Liters



# AUTOGAS PARTS - LPG & CNG

## HOSES & ACCESSORIES

### WATER & GAS RUBBER HOSES

Rubber hoses R67-R110 approved for LPG / CNG and water hoses of different diameters. Supplied in rolls or cut according to your needs LPG / CNG use.



### THERMOPLASTIC HOSES & ACCESSORIES

Thermoplastic hose is the product that has revolutionized the world of LPG. It makes installations and maintenances easier and faster thanks to its flexibility. R67-01 approved. LPG use only.

### COPPER PIPE

Copper pipe for LPG installations perfect for those who are tied to tradition. LPG use only.

Available 6mm and 8mm, in roll or cutted, thickness 0,80 - 0,90 - 1,00mm



### SPARK GAS FILTERS

We distribute the highest quality volatile phase filters and volatile and liquid phase filter cartridges for gas installations powered by propane-butane (LPG) and compressed natural gas (CNG).

### PORTABLE GAS LEAK DETECTOR

Digital handheld gas leakage detector, equipped with an external whip (for reaching the point in which the leakage is likely to happen) at whose end is mounted a gas semiconductor sensor for detection of low concentrations of hydrocarbons in gas appliances and pipes. This device can detect either Methane (CH<sub>4</sub>) or LPG (a mixture of isoButane and isoPropane), but generally to several types of Hydrocarbons.



### OBDII DIAGNOSTIC HANDHELD

OBDII Diagnostic Handheld used to display the operating and diagnosis parameters of modern cars that adopt OBDII (American standard) and EOBD (European standard) systems.



# FUEL PROTECTION SYSTEMS FOR TRUCKS



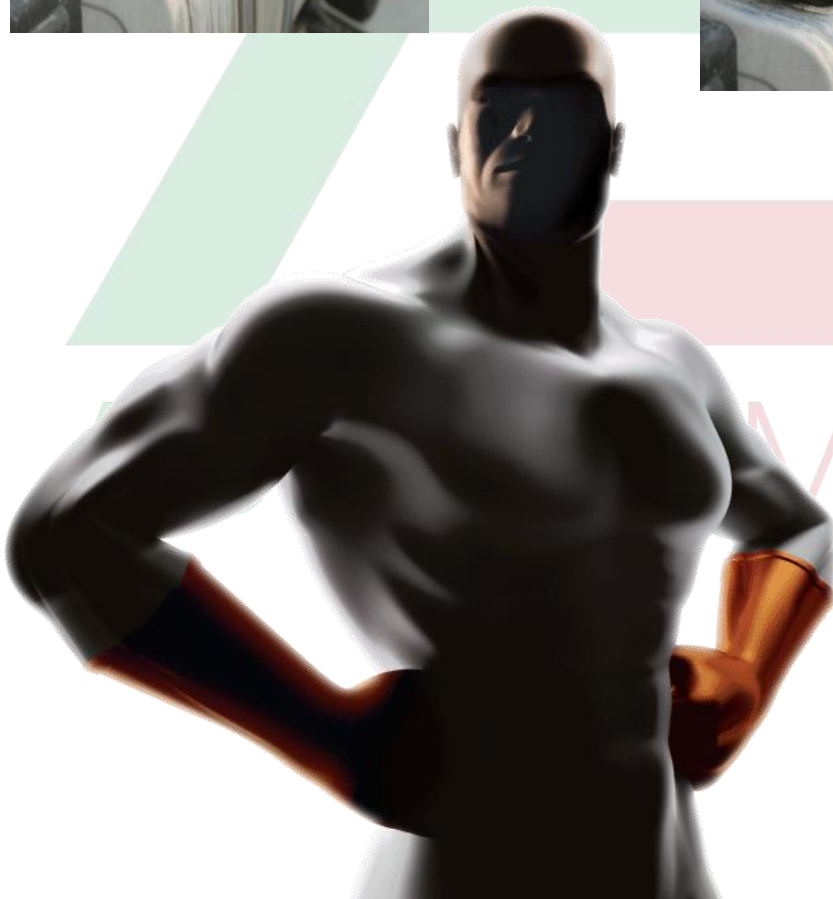
**YOUR FUEL IS PRECIOUS**

Fuel protection, quick refueling, easy fitting and management tools.

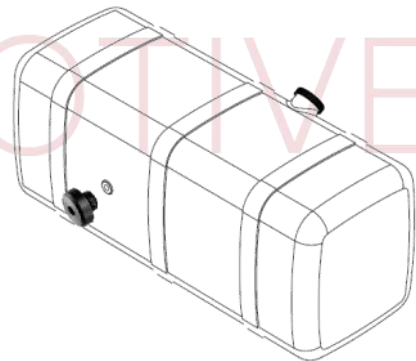
## EASY OF INSTALLATION



## EFFICIENT FUEL FLOW CHARACTERISTICS 120 L/min without reflux



**FULL PROTECTION**  
Protects the drain hole which is underneath the tank, normally closed with a common bolt



## FUEL PROTECTION SYSTEMS FOR TRUCKS

### KOCKÒN

#### Anti theft device for fuel tanks

Fitting KOCKÒN to a vehicle tank is like providing the vehicle with an invisible barrier to the contents of the tank, like a one way valve which allows fuel to pass only in the authorised direction. KOCKÒN boasts extreme simplicity and effectiveness which can be summarized in 3 key points:

- **Complete protection** of fuel thanks to unique geometry
- **Efficient fuel flow characteristics** through streamlined fluid flow paths
- **Ease of installation** through a unique pat. Pend. Gravity Based Double Bayonet system



### KOCKÒN MACH II

#### KOCKÒN MACH II has reached ultimate status

Genesis fuel protection is taken to the next level through this new technological approach we have called Mach II, where single components have become system modules which are part of a much bigger picture, destined to grow in breadth and depth as time passes.

The body of each new KOCKÒN is a modular engineered package voted to provide ultimate fuel protection through a robust and intelligently built barrier which separates the inside of the fuel tank from the outside.

### FUEL CONTROLLER

#### The missing link in Fuel Management

FUEL CONTROLLER is a system which can be easily integrated into the technological infrastructure commonly available on industrial vehicles. Fuel Controller consists of a high-precision fuel sensor that is easily installed and, more importantly, does not require drilling a hole in the tank, since it simply replaces the vehicle's original sensor.

The Fuel Controller sensor appears mechanically identical to the original sensor, but it adopts measurement systems with resolutions often hundreds of times higher than the original sensor and measures along its entire length, from the first to the last millimetre.



### ZIPPER

#### Global protection for fuel tanks

ZIPPER identifies a product which replaces the traditional fuel cap, adding some long awaited enhancements in compliance with the latest standards, namely 70/221CE, 2000/8 CE and 2006/20CE, ECE R34 del 24/10/09.

Besides the user friendly and "hands free" operation which derives from the innovative gesture of opening the cap using the fuel pump pistol, ZIPPER provides a clear set of benefits which can be summarized as follows:

- **Security** – ZIPPER guarantees the tank always closed
- **Control** – ZIPPER "talks" to the vehicle's electronic peripheral devices
- **Integration** – ZIPPER sends recognition signals for electronic operations

### SENSARMOUR

#### Fuel sensor access protection armor

Sensarmour is dedicated to protecting the fuel sensor opening of the tank on heavy vehicles, from unauthorized access. It's designed to be fitted quickly and without the need for additional hardware or modifications: it's simply held in place by the existing tank retention straps. Once Sensarmour is installed it is no longer possible to access the fuel inside the tank through the fuel sensor opening or fuel lines.



### STROPOL

#### High security drain plug for heavy vehicle tanks

STROPOL is a small, highly engineered device which is dedicated to the big job of protecting the main drain hole of tanks of heavy vehicles against removal and access by non authorized operators.

## AUTOMOTIVE FILTERS

AD Ecomotive can provide the best and high quality *automotive filters* like fuel filters, oil filters, air filters that helps your engine to run smoothly. We can supply filters for all brands and models of cars, please contact us by email for your inquiries.

	<p><b>AIR FILTERS</b></p> <p>For optimal performance of internal combustion engine particularly important is clean air. In order to protect the engine from contaminants and to prolong its lifetime, it is necessary to ensure efficient and high quality air filtration. Dirty air filter is the main indication of insufficient maintenance of the engine, leading to a reduction in engine performance and increased fuel consumption.</p> <p>Why air filters have to be changed on time? We recommends replacement of the air filter at least once per year, recommended together with the oil filter, because a regular replacement of the air filter protects you from:</p> <ul style="list-style-type: none"> <li>• Insufficient air volume;</li> <li>• Loss of power;</li> <li>• Bad fuel consumption;</li> <li>• Smoke from exhaust;</li> <li>• Wear of engine.</li> </ul> <p>Types of air filters: panel, circular, cone filters.</p> <p>Our comprehensive range of quality air filters covers most of the vehicles on the road today both in passenger cars and commercial vehicles.</p>
<p><b>OIL FILTERS</b></p> <p>Oil filter is a very important element in engine design that eliminates the abrasive impurities resulting from the engine wear from the oil, and contaminants from entering the combustion chamber as well. Clean oil ensures smooth engine and turbine performance, since it not only lubricates rubbing parts, but also cools the engine.</p> <p>Oil filters are divided into 2 types:</p> <p><b>Spin on</b> – metal housing with thread for fixing mounted filter element. Depending on the engine design spin on filter can be installed with inside valve. Oil drain valve (anti-drain back valve) – is a rubber-silicone membrane, the purpose of which is to ensure outflow of oil from the filter back into the crankcase of the engine after the engine has been switched off. Safety valve (bypass valve) is required when the engine oil filter is clogged, it opens and oil bypasses the filter surfaces to continue the lubrication of the system as well also the valve regulates the oil pressure in the engine.</p> <p><b>Oil filter cartridges</b> – ECO filters. Modern engines are widely used with filter elements, different from metal spin on filters with the absence of a metal housing and threaded valves. The oil filter cartridge replaces spin-on filters, which used to be the main part of the oil filtration in the system.</p> <p>We are offering to the most demanding aftermarket customers an extensive oil filter range, constantly updated following the market demand.</p>	
	<p><b>FUEL FILTERS</b></p> <p>Fuel filter is important part of the car gasoline and diesel fuel supply system, which removes impurities in the fuel and separates water as well, ensuring supply system durability. The contaminants of size <math>3 \div 5 \mu\text{m}</math> have to be cleaned in order to provide the maximum lifetime of the engine.</p> <p>Fuel filters are of two types: metal spin-on and ECO (cartridge). Eco filter – the filtering element without the metal housing, mounted in the factory construction casings of the engine. This type of filters is more economical and environmentally friendly, they are commonly used in new modern engines both in cars, trucks and machines</p> <p>We are offering to the most demanding aftermarket customers an extensive fuel filter range, constantly updated following the market demand.</p>



## ***AD Ecomotive Srls***

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