

Lambda Control Systems

The advanced studies BRC developed in the electronic field have given the possibility to create different families of Lambda control, such as BLITZ, JUST, and INJECTION which can satisfy any kind of need, regarding both price and durability, assuring, in any case, a high quality standard.

JUST device is an innovative system which, thanks to a microprocessor able to perform different functions, allows to obtain an optimal carburation reducing the consumption, the polluting emissions improving the driveability of the car.



Electronic for cars

BRC manufactures also a huge range of electronic components devised for the perfect working of the gas equipment. The line called "MODULAR" allows to create the most incredible combinations reducing the electronic connection at the very least and, as a consequence, the possibility to make mistake.

A wide range of timing advanced processors is available for different applications on vehicles converted to CNG.



Changeover switches

BRC Gas Equipment produces high-tech changeover switches, with small dimensions and nice design for carburettor and electronic injection cars.

We would like to draw your attention on our Sunny ECU based on a micro-controller, settable for either carburettor or injection cars.

The body and the harness assure hermetic sealing, compactness and easy installation.



Level and pressure gauges

BRC Gas Equipment LPG level gauges and CNG pressure gauges are highly appreciated for their sensitivity and easy installation.

The novelty is the level gauge with resistive sensor, which can be connected to the receiver located on all systems of control and on BRC Gas Equipment ECUs.



LPG "Europa" Multivalve

The BRC Europa multivalve, conforming to the European regulation (Reg. 67-01), must be only installed on E67-01 tanks.

It is manufactured in the 0°, 30° and 90° versions for cylindrical tanks and in the 0° and 30° versions for ring-shaped tanks. The 30° version is exclusively for tanks installed in the inside spare-wheel compartment. The BRC Europa Multivalve is provided with all the safety devices and functions contemplated in the New European Regulation, namely: refuelling valve with automatic 80% filling limiting device, excess flow valve, on-off solenoid valve, 27 bar safety valve with low-melting element, level gauge.



CNG cylinder valves

"VB S1" cylinder valve, deriving from "VB A1" and approved according to R110 regulations, is designed and produced by MTM, combining the conventional functions of the cylinder valve with the safety functions that control these devices internationally. With small dimensions, it includes the functions of interception and of a container to channel outside possible leaks. In working conditions the solenoid valve allows or inhibits the gas flow to the engine, thus increasing much the safety of this device. Sundry types are available, according to the cylinder thread.



LPG and Petrol solenoid valves

BRC solenoid valves differ for their easy assembly, the quality of the used materials and they are synonym of safety and durability.

The most important is LPG solenoid valve called "ET98" which points out the high qualities of other models.

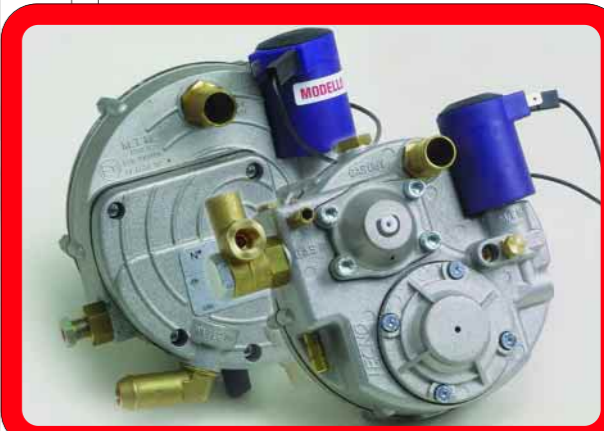
The ET98 solenoid valve suits all types of vehicles. It stands out for its high quality materials and its large-surface filter. Also available in the "WP" version with waterproof connectors and "Super" version.



CNG filling valves

BRC offers a wide range of CNG filling valves, from those with manual shut-off valve to those piloted by a solenoid valve. In the latter the solenoid valve works since the starting and closes automatically when the engine stops, even accidentally.

The solenoid valve permits the refuelling, leaving at the same time free passage to the feeding flow.



BRC products and components.

The whole range of devices for gas equipment.

To convert in full safety and for every gas installers' needs, BRC is able to supply a wide range of products and components, which are always conformed to the regulations in force.



Certified Company
UNI EN ISO
9001:2000

M.T.M. BRC Gas Equipment

Company overview

M.T.M. S.r.l., an Italian company headquartered in Cherasco (CN), owner of the **BRC Gas Equipment** trademark, is among the world leaders in manufacturing and marketing components and systems for converting vehicles from petrol to **LPG** and **CNG**. Established in 1977, M.T.M. - BRC Gas Equipment Co. has grown rapidly.

Following the initial development of this company, mainly dedicated to the production of multivalves, M.T.M. - BRC Gas Equipment Co. started, in the Eighties, to manufacture a complete range of LPG and CNG components, in 1991, it brought to the market its first carburetion control electronic system and, in 1996, its first Italian LPG and CNG gaseous injection system. Personnel have progressively increased to the current level of 250 employees operating in three plants on a total covered surface of 29,000 square meters.

Products

BRC products are designed and manufactured in accordance with the high quality standards assured by the Quality system certification **UNI EN ISO 9001:2000** and comply with current regulations (**R67-01**, **R110** and **ISO 15500**) and the EEC anti-pollution (**EuroIII** and **EuroIV**) and EMC norms.

All BRC components are conceived and developed "in-house" with state of the art facilities, CAD-3D drawing systems of the latest generation, laboratories for static and dynamic tests and various types of vehicle and emission test benches equipped with modal analysis systems. To complete the vehicle conversion activity, we have a large installation centre where bi-fuel conversions are carried out for various car manufacturers, with industrial quality criteria.

M.T.M. - BRC Gas Equipment Co. in the world
Aware of the increasingly competitive worldwide market, in the last years M.T.M. - BRC Gas Equipment Co. has started a process to decentralise its production activities with the creation of two new operations in South America: **BRC Argentina**, involved in CNG equipment production, installation and marketing, and **WMTM Co.** (a Joint Venture with White Martins, Brazilian branch of the Praxair American group) was established to meet the growing demands of the Brazilian market.

In 2003 M.T.M. - BRC Gas Equipment Co. finalised a prestigious strategic alliance agreement with the American company **Impco**, world leader in gaseous fuel industrial applications. It represents the largest production group in the world in the ecological fuel field.

BRC trade mark is distributed by a network of over 100 dealers in 60 countries.

OEM co-operations

The high quality and technological level of the BRC products is proved by prestigious cooperation agreements with some of the biggest car manufacturers in Italy and abroad.

Furthermore, MTM is a member of trade associations for the development of automotive gas.

Our many customers around the world are supported in real time via our web site www.brc.it. A specific part of our website contains general information on the gaseous fuel economic and environmental advantages while a wider section is reserved for the BRC installers to download technical literature, certifications and all the data necessary for the correct assembly, tune up and testing of the BRC Gas Equipment product line.

Enjoy a worry-free journey
with
BRC Gas Equipment!



Brc Gas Equipment

LPG and CNG Reducers

The wide range of reducers makes it possible to convert any type of car to LPG and CNG. In fact, BRC Gas Equipment manufactures pneumatic reducers to convert carburettor cars, electro-assisted reducers to convert electronic injected cars and turbo ones for boosted cars. Among the different models, the line of "TECNO" reducers stands out, thanks to the reduced dimensions and to a careful study of optimisation of the running principles, makes the installation easier and guarantees a high reliability.



Mixers

A never ending study of adaptation enables BRC Gas Equipment to offer on the market personalised mixers for any type of carburettor, electronic injection and turbo car.

The mixers are manufactured considering the free room inside engine compartment, the original passage section and the kind of feeding (LPG or CNG).



"Sequent" gaseous phase injection

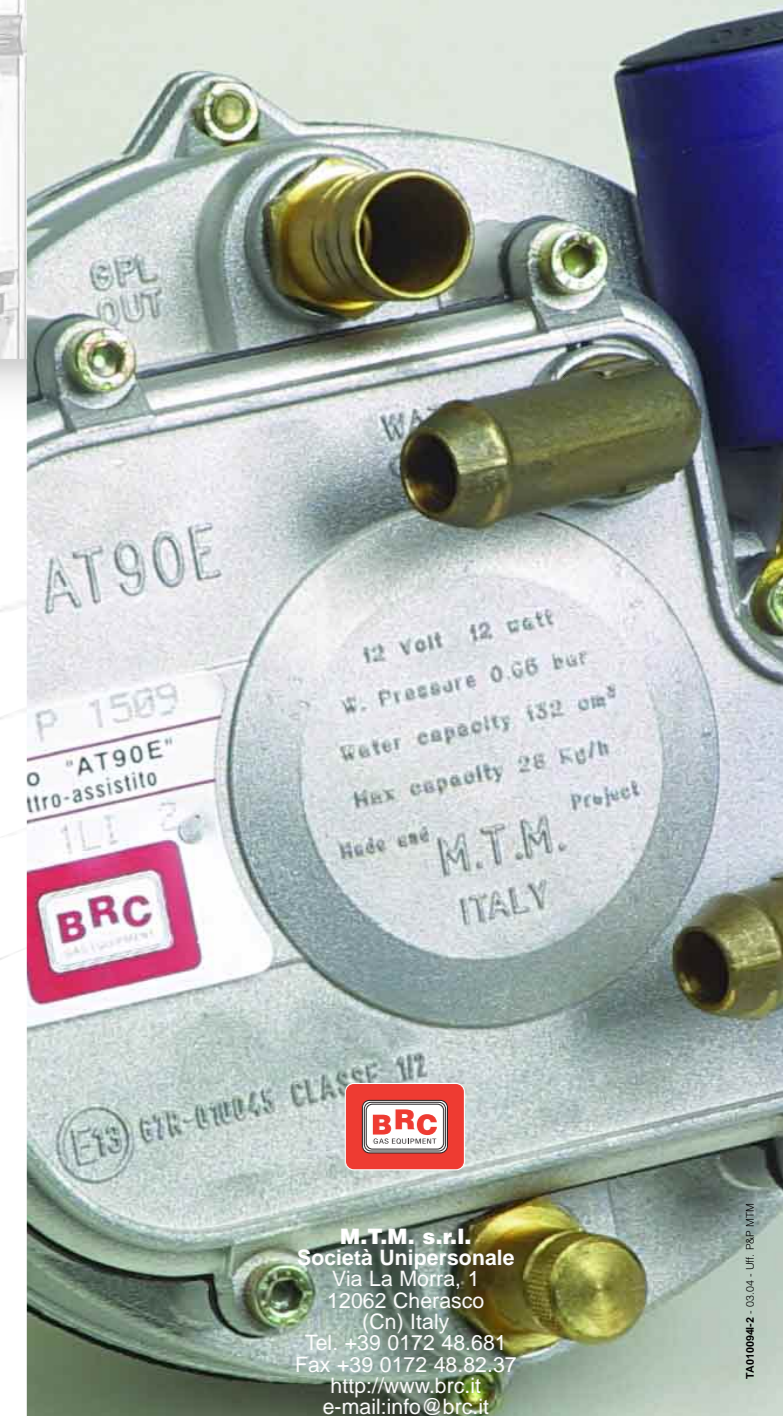
Based on MTM's long experience in designing and production of LPG and CNG gaseous injection systems, the new multi-point phased sequential system "Sequent" is on the highest level of the present technology in the gaseous injection field for controlled ignition engine feeding.

The system derives from MTM's commitment to meet the technological requirements of the present and future car generations, concerning not only emissions, but also diagnostics and integration with the original system, as requested by the latest EOBD norms.

MTM's response is a system based on electro-injectors (tested according to the car manufacturers' standards) that assures the best integration, both electronically and of communication (by K serial line and CAN BUS) and in terms of mechanics and fluid mechanics of the vehicle.



SEQUENT



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