AFRIQUE ENVIRONNEMENT

MAGN-US

CARBON DIOXIDE REDUCER

THE SOLUTION TO REDUCE POLLUTION FROM EXHAUST GASES

WHAT IS MAGN-US?

MAGN-US is an innovative device designed to be easily installed between the fuel filter and the pump of injection of your vehicle. Our revolutionary technology ensures complete combustion, maximizing the efficiency of your engine and minimizing environmental impact.

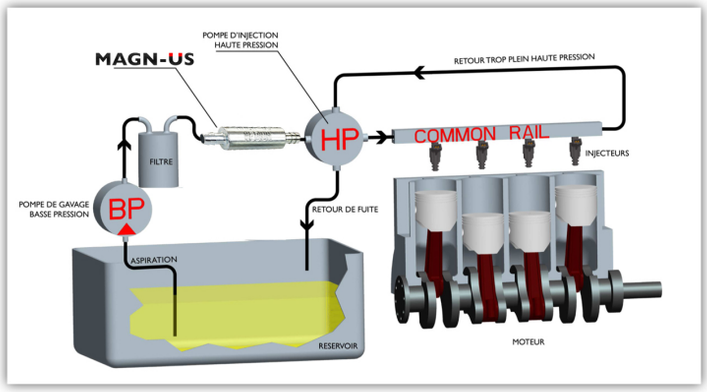
OPERATION OF MAGN-US

Optimized Magnetic Field: By passing the fuel through a strong magnetic field, **MAGN-US** facilitates the formation of a fine fuel mist. This improved atomization allows droplets to fuel to mix optimally with the air, thus promoting complete combustion.

Diversion of Electrostatic Charges:

MAGN-US captures fuel droplets electrically charged, preventing them from agglomerating. This ensures that each droplet of gasoline or diesel reaches the combustion chamber in an optimal way, reducing deposits and injector fouling.

MAGN-US



EASY TO USE
Installation between the fuel filter and the injection pump.

BENEFITS OF THE MAGN-US DEVICE

1. Combustion improvement
The magnetic field modifies the molecular structure of hydrocarbons or additives, which would promote more complete combustion.
It reduces combustion residues and improves energy efficiency.

2. Reduction of polluting emissions
Better combustion means less CO, NOx and fine particles released into the atmosphere.
This contributes to reducing the environmental impact of the engine.

3. Fuel economy
By burning more efficiently, the engine consumes less fuel for the same power, resulting in long-term savings.

4. Engine maintenance
Less residue means fewer deposits in the injectors, valves or combustion chambers, which extends the life of the engine.

USER BENEFITS:

- Decrease in opacity up to **51%.**
- Decrease in consumption up to **25%.**
- Increase in injector lifetime.
- Increase in engine torque to low speed.
- Production of calamine.
- Better fuel diffusion of the injectors.
- No modification of the engine mapping.

MADE IN MOROCCO

BREVET DÉPOSÉ MODELE

Reduction of Polluting Emissions

MAGN-US directly contributes to the reduction of harmful emissions by ensuring efficient combustion, thanks to the following mechanisms:

1. Reduction of NOx (Nitrogen Oxides):
- By ensuring complete combustion, **MAGN-US** reduces temperatures in the combustion chamber, thus limiting the formation of NOx, a major pollutant formed at high temperatures during combustion.

2. CO (Carbon Monoxide) reduction:
- Thanks to better atomization and complete combustion, the production of CO, a toxic gasresulting from incomplete combustion, is considerably diminished.

3. Decrease in HC (Unburned Hydrocarbons):
- By optimizing the air-fuel mixture, **MAGN-US** helps reduce unburned hydrocarbons, which contribute to air pollution and odour nuisance.

Environmental and Economic Benefits

1. Reduction of Fuel Consumption:
- More efficient combustion maximizes the energy extracted from the fuel, leading to a decrease significant of consumption. Users note savings of up to 25% ontheir fuel consumption.(in normal driving)

2. Reduction of Pollution:
- By promoting optimal combustion and reducing emissions of pollutants such as NOx, CO andthe HC, **MAGN-US** actively participates in environmental protection and compliance with standards of strict emissions.

3. Improved Performance:
- Vehicles equipped with **MAGN-US** benefit from better responsiveness, a reduction in vibrations and of an extended lifespan of the injectors.

Easy and Compatible Installation

MAGN-US attaches quickly to most vehicles, without major modifications required. It is compatible with a wide range of diesel and gasoline engines.

	MAG 1	MAG 2
Type of vehicle	Mobylettes / Scooters	• citadines • Motos • Mini 4x4 • Tractopelle
Cylinder	A partir de 49 cm3	Plus de 1000 cm3
Length / Diameter	50 mm / 10 mm	75 mm / 38 mm
Material	blindage, pas d'aimantation à l'extérieur	blindage, pas d'aimantation à l'extérieur
Average weight Capacity	15 gr.	75 gr.
filtration	20 l/h	60 l/h
Operating Temperature	-10° à 70°	-10° à 70°
Filtration	Essence / Mélange	Essence / Diesel
Magnet Power	.....	.....
Filtering	Durit souple diamètre intérieur 3,5 à 6 mm	Durit souple diamètre intérieur 7 à 9 mm
Maintenance	2years	2 years

	MAG 3	MAG PRO
Type de véhicule	• Véhicule léger de tourisme • Utilitaire	• Véhicule poids lourds • Autocar • Engin de chantier • Benne à ordures ménagères
Cylinder	A partir de 1000 cm3	Plus de 2 500 cm3
	Chaudières jusqu'à 400 kw/h	Chaudières jusqu'à 4 Mégas
Length / Diameter	97 mm / 22 mm	75 mm / 38 mm
Material	Corps aluminium brossé	Corps aluminium brossé
Average weight	145 gr.	460 gr.
Capacity filtration	90 l/h	120 l/h
Operating Temperature	-10° à 90°	-10° à 70°
Filtration Magnet Power	Essence / Diesel	Essence / Diesel
	.....	.....
Filtering	10 à 12 mm	raccord direct Banjo M14x150. diam. 10 mm
Maintenance	Tous les 100 000 km Nettoyable et réutilisable	Tous les 100 000 km Nettoyable et réutilisable

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AMERICAN ENVIRONMENT LLC - USA