CONROL BOX (SWITCH)

1. ON / OFF switch

2.Eng. ON: The diode illuminates when the internal combustion engine is running

3.WFE-ON: The diode lights when the system is operating. (The system switches to work after 1min.)

4.Pressure: The diode lights up green until the system reache optimum operating pressure.

5. Level: Diode level of water in the system. Green- level is adequate

RED must be replenished with "Solution" (0.75ml)

ADDITION OF "SOLUTION"

WARNING: Always Add The "Solution" only when the engine is NOT working!!!

1.Turn off the engine.
2. Open the top cover of the box.
3. Open the cap of the plastic tank.
4. Pour the required amount of liquid.
5. Close the cap of the plastic tank.
6. Close the upper cover of the box.

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Water Fuel Engineering

USER MANUAL

HydroGen ™

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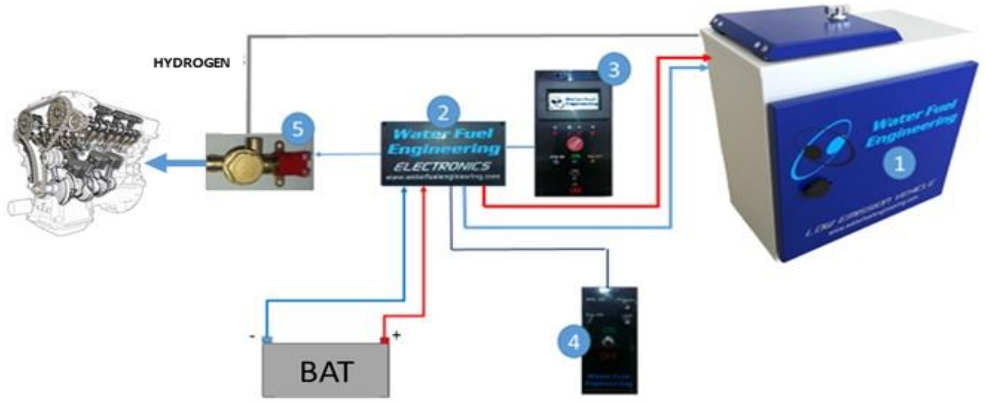
Introduction

This is a device for oxy-hydrogen production, which is added to the fuel system of cars or lorries.

The advantages of installing it are:

Lowering harmful emissions
Reducing the consumption of concentrated fuel
Savings on Filter Replacement
Engines run leaner and cleaner, increasing performance and extending engines life
Increasing the power of the engine
Improving the burning process within the cylinders
Increasing the lifespan of the engine
Improving the dynamic qualities of the vehicle even when lower-quality fuel is used

PRINCIPAL SCHEME



1. WFE auto 12/24V
2. Process management system
3. Monitoring unit –**(Optional in the standard system)** Shows all crucial parameters of the production process/ it is used only for tests or for diagnostic of the system/
4. Control unit – This is the unit which informs the driver about the operational status of the system.
5. The Solenoid is managing the flow of oxy-hydrogen into the engine.

Technical data

Water Fuel Engineering specialises in the research and development of Alkaline Electrolysers and pulse electrolysis control systems along with their applications in a number of industries.
There are two types of Alkaline Electrolysers; a 12 V and a 24V, with the following technical characteristics:

12V Alkaline Electrolyser

Operating voltage range – 12V to 14,2V
Current consumption – up to 21 Amps
Gas production – up to 5 liters per minute
Dimensions – W - 250mm; H – 200mm; D – 200mm
Operating controlled pressure – up to 4atm
The current version is set to work up to 0.5atm

24V Alkaline Electrolyser

Operating voltage range – 24V to 28.5V
Current consumption - up to 21 Amps
Gas production – up to 10 liters per minute
Dimensions – W – 420mm; H – 200mm; D – 200mm
Operating controlled pressure – up to 4atm /
The current version is set to work up to 0.5atm

Pulse Electrolysis Control System

The Pulse Electrolysis Control System is designed to manage the gas production process. Essentially the system works with feedback information from the pressure sensor integrated in the unit.This information guides the control unit in order to deliver the required volume of oxy-hydrogen, according to driving conditions and engine demand. The Pulse Electrolysis Control System monitors all crucial parameters of the process – voltage, current consumption, temperature, pressure etc.
The system also has two pressure protections as well as temperature protection voltage protection and current consumption protection to ensure the safe operation of the Electrolyser at all times.