

# How WATERDRIVE WORKS



**Hydro-Fuel Cell**  
*for Cars, Vans + Trucks*  
Petrol / Gasoline or Diesel

## **R-Evolutionary Technology**

**Why is a WATERDRIVE hydrogen system a good idea for my engine?**

**What exactly is HHO gas?**

**How does the WATERDRIVE system work?**

**Does the WATERDRIVE system work for all types of vehicles and motors?**

**Will WATERDRIVE damage my engine?**

**How easy is it to install the WATERDRIVE system?**

**How much can I save by using WATERDRIVE?**

**What effect will this have on my engine?**

**Why does a car fitted with a WATERDRIVE system pollute less?**

**What is a dry cell and how does it work?**

**If the HHO gas is explosive, isn't there a danger of an explosion?**

**Terms of Use & Conditions**

## INTRODUCTION

More people are concerned about the ecological consequences of their daily actions, and want to do something about it.

Most of us have to use a car everyday and feel guilty about it. It is also true that when we pay to fill up the tank, we feel dependent of a non-sustainable system which is both wasteful and expensive. With the negative changes in global economy and ecology and the increase in prices for fossil fuels, the time has come for a real change in our polluting habits.

The use of supplementary hydrogen is a great solution to help you lower polluting emissions and save fossil fuel.

## FREQUENTLY ASKED QUESTIONS

### Why is a WATERDRIVE hydrogen system a good idea for my engine?

Because by using it you can:

- Increase the efficiency of fuel burning by promoting a more efficient explosion therefore using a higher percentage of the fuel molecules and reducing harmful emissions.
- Reduce the amount of regular fuel used by the engine from 25 to 40%
- As a result you save the same amount of money while promoting a cleaner environment. This means you save the planet and your money at the same time!
- Improve the cycle of the engine and reduce engine noise drastically.
- Reduce the build up of carbon deposits inside the engine, making it run smoother and cleaner.
- Drastically reduce emissions and discharges and help in the fight against Global Warming.
- Noticeably increase the power of your car gaining as much as 10% more power.
- Reduce the vibrations, noise and engine clatter, and enjoy a smoother engine operation.
- Prolong the life expectancy of your engine.

### What exactly is HHO gas?

HHO is the renewable energy from water.

Also known as Brown's Gas or Hydroxy gas, HHO is produced when water is returned to its gas form by simple electrolysis – by using excess electricity from the car's alternator to separate water in two parts of Hydrogen and one part Oxygen.

## **How does the WATERDRIVE system work?**

The system's heart is an electrolysis cell which is powered by the alternator.

Water is supplied from a tank filled with distilled water and a specific electrolyser catalyst (caustic soda). As the water passes through the Cell plates, the DC electricity starts an electrolysis process which produces the HHO gas.

Hydro-gas is sucked into the air system of the motor (in the manifold) by the engine vacuum. The motor starts to burn an enriched mixture of oxygen and HHO along with its regular fuel.

The gas works as a catalyst for the explosion in two ways. The smaller molecules of the hydroxy gas strike the larger gasoline molecules, breaking down the covalent bonds even further and atomizing the gasoline. This gas is also explosive by itself and becomes an extra combustible catalyst.

Water is really compressed gas. A DC current is all that is needed to split the water into its primary form of HH+O atoms.

The amount of hydrogen produced by a system needs to be sufficient in order to get a good result. The standard of gas production is measured in litres per minute (l/m).

1 l/m is considered baseline for a functional supplemental hydrogen electrolyser. Our system produces from 2 l/m up to 5,4l/min (depending on the model) with an efficiency of 4l per Amphour or 5,5ml per Watt.

The use of this system does not imply changing the mechanics of your car in any way.

It is a simple accessory and as such can be removed and remounted without any difficulty in any car.

A supplemental hydrogen system is just that, supplemental to the use of gasoline or diesel in your vehicle. It is not an attempt to run your vehicle on hydro-fuel exclusively. Instead, it is a way to more efficiently burn the fuel that you are already using.

## **Does the WATERDRIVE system work for all types of vehicles and motors?**

Yes. For diesel, gasoline, LPG and biodiesel.

Can also be used in: generators; motor-pumps; trucks; tractors, etc.

→ *Can be used for any type of combustion engine*

## **Will WATERDRIVE damage my engine?**

It will not harm the engine in any way. In fact it will clean it and improve its performance. Hydrogen is non-corrosive and neutral. It has no effect on the engine or turbo-charger or any metals.

## **How easy is it to install the WATERDRIVE system?**

With practical "DIY" experience, a multimeter and basic tools it is very easy to install a WaterDrive cell in your vehicle in less than a day.

## **How much can I save by using WATERDRIVE?**

You will save up to 30% on average of fuel. Larger diesel engines are achieving up to 40% or more and that is typically a saving of at least 1,000 (\$,€ or £s) a year!

## **What effect will this have on my engine?**

WaterDrive makes the engine quieter and cleaner.

The engine stops knocking or "pinging".

Hydro-fuel changes the combustion cycle into a more even or "round" cycle.

These changes happen immediately upon installation and from that moment on, your engine works more efficiently.

The effect is not only less noise, it's also less vibration, resulting in reduced strain on the transmission (thus smoother gear shifts), cleaner pistons and valves, and generally better engine operation.

## **Why does a car fitted with a WATERDRIVE system pollute less?**

Because more of your primary fuel is being completely used up and not being burned in your catalytic converter. The by-product of burning hydroxy gas is super heated water vapour. This cleans the inside of your engine and removes damaging carbon build ups and performance robbing sludge. Using a supplemental hydro-fuel system helps the environment twice by decreasing fuel dependency while also reducing pollutants

## **What is a dry cell and how does it work?**

Our systems work with a dry cell.

This hydrogen cell design is a circulating system in which the water travels from the Bubbler tank through the cell and then back into the reservoir.

No water pumps are needed.

The key to this circulating system is the cell and the engine vacuum.

This cell design acts like a pump creating a self siphoning system that carries the gas to the Air intake and the water back into the Bubbler tank.

The Bubbler tank acts as reservoir to store the water that is circulated through the system and acts as a bubbler by separating the water from the gas. It also helps maintain cool operating temperatures.

## **If the HHO gas is explosive, isn't there a danger of an explosion?**

No, because there is no storage of gas in the system.

The supply of HHO gas to the engine is otherwise similar to normal gasoline or diesel.

The HHO fuel is only produced ON DEMAND when the motor is running and therefore burnt at the same time.

## TERMS & CONDITIONS

Ask all necessary questions before purchasing, so that you are perfectly clear on what you are buying!

By purchasing this item you acknowledge that this is an Experimental fuel cell and you assume all risks!

By purchasing this item you agree not to hold the manufacturer and seller liable for any cost or damage arising either directly or indirectly from the use of the product.

This fuel cell is an electrolysis unit and while combined with water, and energized with electricity, will produce Hydrogen & Oxygen! Hydrogen is an extremely volatile flammable gas! Use Extreme Caution at all times!

Igniting Hydrogen WILL cause an explosion and can cause Property Damage, Serious Bodily Injury or even Death!

Keep Hydrogen away from any sort of Ignition Source. Such as, but not limited to; Spark, Flame, Heat, Static, Etc.

There is also a risk of Spontaneous Combustion!

In no event will the manufacturer or seller be liable for any incidental, consequential, or indirect damages (including but not limited to; Damages for loss of Profits, Business Interruption, Loss of Time, Bodily Damage, Property Damage or even Death).

This IS a non-standard product under new vehicle warranties and is classified as experimental – you must do your own research on its uses, and proper safety while using it.

Distributed in Europe by

**[Sustainable Lifestyle Solutions](#)**

*Resources for People Seeking a More Sustainable Lifestyle*

Visit our Web-site !

*Save Fuel* ★ **Green Planet!**