



HEC1

70CentsaGallon, Inc. Is an exclusive distributor of the HEC1 commercial "plug and play" hydrogen on demand system.

The HEC1 is the highest quality commercial hydrogen on demand system available. Designed from the ground up for safe and robust hydrogen generation for heavy equipment, over the road, and marine applications.

Each HEC1 is tested and preconditioned at the factory to provide high output, low maintenance, and long life.

The average cost savings using supplemental hydrogen run between 20% and 60% depending on application.

The HEC1 is design to be mounted externally for safety, is automated (no operator intervention), and has an output of up to 5 LPM.

Specifications

HEC1 Specs @ 5 LPM:
MMW: 25.70
Voltage: 13.8 (default)
Amps: 14.1
Seconds: 60

Test volume: 5000ml (5L)
Total # of plates: 13
Active plate area: 16 sq inches
of cell stacks: 2
Barometric pressure: 1016
Gas temperature: 120F
Voltage per cell: 2.30
Amps Per Cell: 7.05
Current density: 0.44 per inch²
Energy used: 194.58 watts
Resistance: 0.98 ohms
Current efficiency: 480.84%
Voltage efficiency: 64.35%
Total efficiency: 272.59%

This data was collected using 1liter of 12% electrolyte
(Potassium Hydroxide).

The HEC1 is a true calibrated HHO generator providing the
exact amount of HHO required for each application.

A single HEC1 can provide enough supplemental Hydrogen to
enhance up to a 10 Liter engine! Each Liter of engine
displacement requires 1/2 Liter of HHO.

Mix the appropriate electrolyte from table below:

ONLY USE DISTILLED WATER TO MIX ELECTROLYTE!

**1 LPM = 1% electrolyte (10 grams potassium hydroxide + 1
Liter water)**

**2 LPM = 4% electrolyte (40 grams potassium hydroxide + 1
Liter water)**

**3 LPM = 8% electrolyte (80 grams potassium hydroxide + 1
Liter water)**

**4 LPM = 10% electrolyte (100 grams potassium hydroxide +
1 Liter water)**

**5 LPM = 12% electrolyte (120 grams potassium hydroxide +
1 Liter water)**

What Makes the HEC1 Better than Other Hydrogen on Demand Systems?

A: The heart of the HEC1 is an advanced 13 plate hydrogen electrolyzer featuring Good year rubber gaskets. Each 316L stainless steel plate is Ultrasonically cleaned, surface enhanced, pacified and assembled by skilled craftsmen.

DIGITAL ELECTROLYSIS CONTROLLER: The 150 amp controller generates a perfect, digitally-produced square wave, with no distortion, at full load using MOSFET controller chips. Our transistors feature incredibly fast rise and fall times, producing a clean, digital signal. This results in more efficient hydrogen production, and less heat generation making the electronics more reliable for longer life in real-world environments.

The electrolyte reservoir / flash-back protector is made of high temperature plastic and mounted with the electrolyzer and controller in a vented ABS plastic case.

The HEC1 has a one year warrantee against defects.

How Does "Hydrogen on Demand" Work?

What is HHO?

HHO is the short name for hydroxy gas, browns gas, green gas, Di-Hydroxy or oxyhydrogen. While there are many names, they all mean the same thing. A mixture of 2 parts hydrogen (H₂) and one part oxygen (O₂) gases.

How Do You Make HHO Gas?

The HEC1 Hydrogen on Demand generator operates on a 100 year old, proven technology called electrolysis. By sending electricity through stainless steel plates that are submerged in water in a certain pattern, we are able to separate water in to the H₂ and O₂ Gases making HHO Gas.

Can Water Really Help Save Gas?

The answer is simple. Yes. The HEC1 has made the technology easy and affordable to use.

How Does HHO Help Me Save Gas?

The HEC1 helps save gas by burning alongside gasoline or diesel. The HHO Gas is sucked in through the air intake of an engine. The HHO Gas causes the gasoline to burn more efficiently, cleans out the engine, and the end product of the HHO Gas is water. Because of the increase in efficiency, the MPG increases. It's been proven time and time again.

How Much Of An Increase In MPG Will I See When Using The HEC1?

We guarantee that you will see an increase in MPG when the HEC1 is installed correctly. However because the size of engines vary, we make no guarantees to an exact amount. Semi diesel truck fuel savings average 20%!

Is HHO Safe to Use?

HEC1 Hydrogen on Demand systems are very safe to use because the HHO Gas is extracted only as needed and burned steadily from water. Why compress Hydrogen into a large hydrogen tank when you can store it safely in the form of water? The HEC1 setup produces hydrogen only as the car needs it. Best of all, the process is reversible and will not void your manufactures warranty. It simply is an add-on that significantly increases your gas efficiency.

HHO FAQs And Information

Is It Hard To Install HHO Systems / Kits?

No! The HEC1 can be installed in an hour. We give you full detailed instructions so installation should be a breeze.

Does It Work On Diesels And/Or Turbo Chargers?

Yes! The only car we have not been able to install an HEC1 onto is a *Ford Diesel PowerStroke model*. The only reason why is because it has a pre-combustion chamber to begin burning fuel before it hits the engine. Any large rig with this (which is uncommon), cannot use the HEC1.

Will An HEC1 Void My Warranty?

No! The conditions that may void a vehicle's warranty are specified in a law called the Moss-Magnusson Act which stipulates dealers cannot void warranties because vehicles have aftermarket parts. An HEC1 is simply considered an aftermarket kit and can be removed at any time.