17 When is hydrogen fuel coming to a station in my neighborhood?

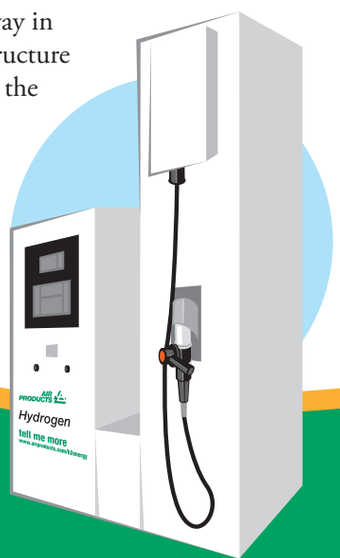
That depends on where you live! There are hundreds of hydrogen fueling stations around the world today, including one in Trexlertown, Pennsylvania. Most of the fueling stations in the U.S. are located near Los Angeles, where many of the vehicles have been deployed. The initial rollout of fueling stations will be centered around large cities with lots of people—and cars.

18 How is Air Products involved in support the hydrogen economy?

Air Products is the leading hydrogen supplier to refiners to assist in making cleaner burning transportation fuels and has placed over 110 fueling stations in the U.S. and 18 countries worldwide. Cars, trucks, vans, buses, scooters, forklifts, locomotives, planes and material handling equipment have been fueled using Air Products' hydrogen technology, equipment and hydrogen.

19 What are Air Products' goals in supporting hydrogen energy?

Air Products is leading the way in developing hydrogen infrastructure and technologies to improve the environment, reduce our dependence on imported fuels and drive economic growth.



For More Information

If you'd like to know more about hydrogen energy and how Air Products is creating the infrastructure that will deliver hydrogen safely and abundantly, contact us today.

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AIR PRODUCTS

1 What is hydrogen?

It is the lightest and most abundant chemical element in the universe. Hydrogen is represented by the symbol H and has an atomic number of 1.

2 Why is hydrogen a good fuel?

Hydrogen is a great carrier of energy and can be produced from many renewable resources with a low impact on our environment. It's carbon-free, nonhazardous and produces no greenhouse gases when used as a fuel.

3 How much does hydrogen cost?

The price depends on how it is produced, stored and delivered. The cost is expected to be comparable to the price of a gallon of gasoline when used in large quantities at a fueling station.

4 How does the car work?

The Equinox fuel cell car is an electric vehicle which converts hydrogen and oxygen (air) into electricity to power the vehicle. The only thing that comes out of the tailpipe is water.

5 Is it easy to fill a hydrogen fuel cell car?

Yes. If you can fuel your current vehicle, you can fuel a hydrogen car. Hydrogen dispensers operate very much like gasoline dispensers.

6 How fast does the car go?

The Chevy Equinox fuel cell vehicle can go from zero to 60 in approximately 12 seconds, with a top speed of 100 miles per hour.

7 How far does the car go on a tank of gas?

The car can be driven approximately 120–150 miles per fill-up.

8 How safe is it?

Hydrogen is no more or less safe than any other fuel used in a car. It's just different. The car and fueling stations are designed around the unique properties of hydrogen.

9 Is the hydrogen liquid or gas?

The hydrogen is gaseous, so there are no messy "spills" left on the ground at the fueling station.

10 Can you fill a hydrogen car with gasoline if the car runs out?

No, the car is specifically designed to run on hydrogen. If someone tried, it would be impossible to connect a gasoline pump to the car.

11 How many hydrogen cars are there?

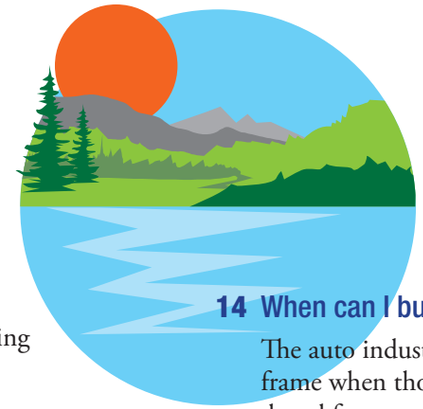
By the end of 2010, approximately 300 cars will be in operation worldwide.

12 How much does a hydrogen fuel cell car cost?

Right now the cost of hydrogen fuel cell vehicles is still too high for consumers to buy them. That's because they are in the design phase and are being produced in very small quantities. Once fuel cell cars are produced in larger quantities, they will be sold at prices comparable to today's automobiles.

13 Is it easy to drive a hydrogen fuel cell car?

Yes, it is just like driving a regular car, although the experience is a bit different. When you turn the key on, the first thing you notice is how quiet the car sounds. You don't even know that it's running! Second, you realize that the car's performance is just as great as that of a regular-engine Equinox, but with the added benefit of greater energy efficiency and no pollution.



14 When can I buy a hydrogen powered vehicle?

The auto industry is targeting the 2015–2020 time frame when thousands of vehicles a year will be produced from manufacturers at a cost that is competitive with other advanced technology vehicles.

15 What is a fuel cell?

A fuel cell is an electric generator. Think of it as a battery that does not need charging. It is silent, efficient and compact. As long as hydrogen and oxygen (air) are supplied, it can continue to produce electricity, water, and heat indefinitely.

16 How is this car different from my car?

Cars today are largely a mechanical process in an internal combustion engine. In a fuel cell car, there is no combustion taking place, and therefore it has 60% fewer parts overall and 90% fewer moving parts. Many of the traditional components in cars today are not present, such as spark plugs, pistons and a transmission. You can hear the difference.