FAQ for Athena H_2

How does the performance of the Athena H_2 compare to the old Athena?

We have had a prototypes since May, and most simply put, performance AWESOME. It is approximately 40% stronger than the old Athena. To put that in perspective, with our Reno tap water, which is typically fairly soft, the old Athena would produce -250 ORP on the highest setting and at full flow. On the same water and settings, the Athena H2 produces greater than -500 ORP. The old Athena produced .3 to .5 ppm of hydrogen at the highest setting on full flow. With the same settings the Athena H_2 produces .5 - .6 ppm of hydrogen. Of course, we can increase hydrogen production (just like ORP production) by slowing the flow. We have seen it produce .9 ppm at a flow rate of 1liter in 45 seconds. It is important to note that the Athena H_2 produces these results while maintaining a lower pH. Other ionizers must hit very high pH (generally over 10 pH) to maximize –ORP and H_2. We think the lower pH approach is safer health-wise and certainly makes the water better tasting. Because we use less power, we safeguard against plate deterioration, so performance is sustainable over time. Those are very important selling points.

How many plates or electrodes does the Athena H_2 have?

The Athena H_2 is engineered around a water cell with 7 *SmartDesign* electrodes. Our old model had 5 electrodes. This is a huge upgrade - getting 2 extra, high performing plates - for the same price!

What is *SmartDesign*?

SmartDesign electrodes use state of the art engineering and manufacturing to specifically be super-efficient at lower power. We have found the higher the power density used in ionization, the less H_2 stays in the water. To get the benefit of H_2 it has to be in the water. In addition to performance, running lower power stresses the plates less, which leads to increased durability and performance – especially over time.

Are the electrodes solid or mesh? Are they dipped or electro-plated?

SmartDesign electrodes are the most advanced solid plate design. They are optimized specifically for efficiency. To achieve the greatest efficiency, they are electro-plated using a process similar to all our other plates.

Does the Athena H_2 have DARC cleaning?

Yes. This is a critically important point in regard to H_2 performance. DARC has proven to keep plates clean and therefore performance high – especially over time. This is another huge selling feature.

What are the plates made of?

SmartDesign electrodes are the highest grade platinum and titanium available. The raw materials come from Japan.

Does the Athena H_2 have any certifications?

The Athena H_2 actually carries more certifications than the old Athena. The certification logos are right on the web page.

What about the filtration?

The filters are at least equivalent to our BioStone Plus filters in performance. At this time, onboard UltraWater filters are not available for the Athena H_2. There is however an external UltraWater filter. We will be developing onboard UltraWater filters for the Athena H_2 in the future and will announce the release. They will be compatible, and customers can upgrade seamlessly to UltraWater filters once they are available.

Does the Athena H_2 come with UltraWater filtration?
Not at this time. However, the Athena H_2 is available with UltraWater filtration through the purchase of an external UltraWater filter and housing.

Do we have test results on the factory filters?
We have been awaiting the production models to test. It didn't make sense to test the prototypes. Testing will commence November 2015, and we will publish the results as soon as we receive them. We expect the factory filters to return excellent results.

Does the filter add any minerals to the water?
No. The filters do contain CaSO3, or calcium sulfite, the same as all our filters. It is in the media formulation for chlorine/chloramine and some heavy metal reduction. It is industry standard.

What is the filter life?
1000 gallons.

Does the Athena H_2 have a mineral port?
Yes, it is located in the filter. It accepts the same Scale Guard and calcium baskets as the old model.

Do the Athena H_2 filter counters count at the same rate?
Yes. Unlike our old model, that counted water flow at different rates (customers had to replace the filters at different intervals) the new one counts at the same rate, and the filters are replaced at the same time. This is a huge upgrade in customer experience!

Do the Athena H_2 filters replace at the same time?
Yes. This upgrade in customer experience cannot be understated.

What are the dimensions and weight?
The full specifications are on the website The Athena H_2 is approximately the same size as its predecessor. Because it uses SMPS it is approximately 30% lighter.

Can the Athena H_2 be installed under sink?
At this time, no. We are currently having the required parts machined. We will announce the undersink conversion kits as soon as they are available.

What is the price of the Athena H_2?
While we have made significant improvements to the Athena H_2, we have been able to maintain the current pricing model. Retail pricing and all wholesale profit and commissions remain unchanged. Your customers will get a substantially upgraded machine that is more market relevant (especially hydrogen) for the same price!

Where is the Athena H_2 manufactured?
Like our other ionizers, the plates originate in Japan and final assembly of the ionizer is done in Korea.

What are the selling features of the Athena H_2?
All of the features are highlighted on the Athena H_2 webpage. It can be found the same way the Athena was – through the main navigation or shopping cart.