



## Vesta H<sub>2</sub> FAQ's

### **How does the performance of the Vesta H<sub>2</sub> compare to the old Vesta?**

We have had a prototypes since May, and most simply put, the performance is AWESOME. It has an approximately 30% stronger ORP than the old Vesta – which was already the strongest ionizer we have tested. On Reno tap water, which is typically fairly soft, the old Vesta would produce approximately -380mv ORP on the highest setting and at full flow. On the same water and settings, the Vesta H<sub>2</sub> produces greater than -600 ORP at full flow.

At the highest setting and full flow, the Vesta H<sub>2</sub> produces about the same H<sub>2</sub> as the old model – but does so with a 20% faster flow making it very user friendly. Of course, you can increase hydrogen production (just like ORP production) by slowing the flow. The really important point to note is that the Vesta H<sub>2</sub> produces the best ORP and H<sub>2</sub> results, while maintaining a lower pH. Other ionizers must hit very high pH (generally over 10 pH) to maximize –ORP and H<sub>2</sub>. We think the lower pH approach is safer health-wise and certainly makes for great tasting water.

Because we use less power, we safeguard against plate deterioration, so performance is sustainable over time. Another really important new feature is the ability to achieve very low pH acidic water. On Reno water, we can achieve a pH 4 on Acid Level 2. With the ionizer on Alkaline 5 and on slow flow, we can achieve a red color with the included reagent out of the drain tube. This is a huge upgrade and an important sell point.

### **How many plates or electrodes does the Vesta H<sub>2</sub> have?**

Like the old model, the Vesta H<sub>2</sub> is a nine plate ionizer. It is engineered around a new water cell with 9 *SmartDesign* electrodes. The resulting performance upgrades, as previously mentioned, are better acidic, better -ORP, better H<sub>2</sub> production and a 20% faster flow rate.

### **What is *SmartDesign*?**

*SmartDesign* electrodes use state of the art engineering and manufacturing to be super-efficient at lower power. We have found the higher the power density used in ionization, the less H<sub>2</sub> stays in the water. To get the benefit of H<sub>2</sub> 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 Vesta H<sub>2</sub> have DARC cleaning?**

Yes. This is a critically important point in regard to H<sub>2</sub> 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 Vesta H<sub>2</sub> have any certifications?**

The Vesta H<sub>2</sub> actually carries more certifications than the old Vesta. 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 Vesta H<sub>2</sub>. There is however an external UltraWater filter available for no added charge. We will be developing onboard UltraWater filters for the Vesta H<sub>2</sub> 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 Vesta H<sub>2</sub> come with on-board UltraWater filtration?**

Not at this time. However, the Vesta H<sub>2</sub> is available in all shopping carts with, or without UltraWater (using an external filter and housing) at no charge.

### **Do we have test results on the factory filters?**

Testing has commenced, and we will publish the results as soon as we receive them, likely later in January. We expect the factory filters to return excellent results.

### **Does the filter add any minerals to the water?**

No. The filters do contain CaSO<sub>3</sub>, 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?**

Total capacity is 1000 gallons (filtered acidic and alkaline water combined).

### **Does the Vesta H<sub>2</sub> have a mineral port?**

Yes, it is located in the filter. It accepts the same ScaleGuard and calcium baskets as the old model.

### **Do the Vesta H<sub>2</sub> 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 Vesta H<sub>2</sub> 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 Vesta H<sub>2</sub> is approximately the same size as its predecessor. Because it uses SMPS it is approximately 30% lighter.

### **Can the Vesta H<sub>2</sub> 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. We expect these should be available around the end of January.

**What is the price of the Vesta H<sub>2</sub>?**

While we have made significant improvements to the Vesta H<sub>2</sub>, 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 Vesta H<sub>2</sub> manufactured?**

Like our other ionizers, the plates originate in Japan and final assembly of the ionizer is done in South Korea.

**What are the selling features of the Vesta H<sub>2</sub>?**

All of the features are highlighted on the Vesta H<sub>2</sub> webpage. It can be found the same way the Vesta was – through the main navigation or shopping cart.