

Available
Fall 2013

Spectra Z-ION™

A Sensational New Technology!

Finally, a solution to **Foul Smelling Filters**

Watermaker owners know that once a system has been shut down it is only a matter of time before the filters and plumbing start to smell of rotten eggs. The **Z-ION** will eliminate odors and protect the filters and membranes from microbial growth!

How it works

When your watermaker is shut down and flushed with freshwater there are small amounts of bacteria and microbes that grow, consume all the oxygen in the water and then begin to decompose which causes the formation of hydrogen sulfide (the rotten egg smell), which is also what turns your filters black.

The **Z-ION** disinfects your system eliminating microbial growth and odors for up to a month after each use.

The **Z-ION** goes into action during the fresh water flush cycle producing silver ions that flood the entire system. Silver is a well known and powerful disinfectant that eliminates the microbes and bacteria that can damage your watermaker. Best of all each fresh water flush with the Z-ion will last a month or more so no more short term pickling or flushing every 5 days.

The **Z-ION** is completely automatic and draws only 15 watts during the fresh water flush cycle (in stand-by it draws <1 watt). When freshwater flows through the carbon filter, the ionizer starts and distributes silver ions disinfecting the entire system. The typical useful the lifespan of the electrode assembly will be 2 to 3 years and can be easily replaced.

The Z-ion can be retrofit to all spectra systems and can operate on 12V or 24V.



Z-ION

Membrane Protection System

Patent Pending

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The Greeks learned as far back as 800AD that vessels made from silver would keep water and other liquids fresh. The Romans stocked wine in silver urns to avoid spoilage. During the Middle Ages, the wealthy used silver to help protect them from the plague. Pioneers trudging across the American West placed silver and copper coins in their water to help keep drinking water safe from bacteria, algae and diseases.

In the 1960's NASA scientists needed a way to supply pure drinking water for the crew on their long missions. NASA studies reported that silver would eliminate bacteria, including Pseudomonas A and Type IIIA bacteria. They developed a unit that provides Shuttle crews with 32 gallons of pure water daily.

Not space travel but a little closer to home, more than half of the world's airlines use silver water filters to defend against water borne diseases.

So silver is the natural choice to protect your watermaker, a proven technology updated with the **Z-ion**.

No Ions

Z-Ions



SPECTRA
WATERMAKERS