



Salt Speak



Salt Pure® Dive Pool !

In 2001 Craig Brown took a headlong dive into the deep end. Craig had previously owned Capital Divers for about 10 years. His dive store, located on the edge of Mudbay in Olympia, WA., had no dive pool for his customers so he had arranged to share a local YMCA pool.

Time had come to jump into the deep end. With a \$1.5 million loan, Craig began the process of building a 8,000 square foot aquatic center, complete with retail, office and classroom space, & a deep pocket item, a 75 x 75 foot pool, with a deep well to accommodate scuba classes.

During the research & planning phase, Craig came across a method to sanitize a commercial pool using ordinary salt. He located TMI Salt Pure® Corporation and began discussion with them about the pros, and cons of the Salt Pure® System.

Craig said that at first he found it difficult to believe that simply by using salt, and the Salt Pure® equipment, he could achieve such superior water and also reduce maintenance. Craig was given a list of TMI customers around the country and contacted some of them, while also visiting an installation. Based on what he saw and heard Craig decided to go ahead. The TMI Salt Pure® system and an Acu-Trol chemistry controller were installed on his indoor 80,000-gallon dive pool.

The pool was commissioned into service in September 2001. Craig recently commented to me that, "...I can't imagine that I could find water any clearer or more sparkling ...from a maintenance perspective it is easier too. The chemistry controller takes care of my pH & Chlorine, and it controls my temperature. TMI is able to provide support at a moments notice through remote modem interface on the Acu-Trol controller".



Capital Divers Lap Pool, Olympia, WA

Brett Taylor, Operations Director had the following comments..." The Fire Dept. likes the fact that we have fewer chemicals on site.. Swimmers comment that they notice the difference immediately and love the feel of the soft water, we do not get the usual complaints. In swim lessons the kids don't use goggles, they put their faces under the water to establish confidence in the water, and we have no problem with red eyes". Brett says he especially likes the fact that he, and his staff do not need to use protective gear.

Jim Mayo, Dive Control Specialist states " I swim a couple, 3 hours per week with classes and the water feels like fresh water. I have sensitive eyes, and most commercial pools leave my eyes looking like heck, not so with our Salt Pure® water!"

You will be pleased to know that both Craig and Capital Divers are doing well, the pool is a great hit in Olympia, and the local YMCA is seriously considering converting to the Salt Pure® system. Craig left me with the following quote, " I am only surprised that this system is not used by more commercial pools....I can't thank TMI enough for their support & assistance. I wholeheartedly endorse this product, and would welcome any calls from potential TMI Salt Pure® users."

Some New Salt Pure® Facilities...

- Hampshire Fitness, MA
- City of Leavenworth, WA
- Peak Athletic Club, MT
- Apple Athletic Club, ID
- Northside Community Pool, VA
- North Slope School Dist. (8 Schools), AK
- Kukiu Beach Resort, HI
- Missoula Athletic Club, MT
- Carmichael Park & Rec, CA
- VA Hospital, Meno Park, CA
- VA Palo Alto, CA
- Hutchison YMCA, KS
- Redwood Health Club, CA



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The Alternative

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SALT PURE® SOLUTIONS

We are constantly on the lookout for products to aid Salt Pure® water, and equipment function. We are happy to announce the following specialty items to our product line:

- **Salinity Tester** (does pH & Temperature too!!) digital & waterproof
- **Crystal Anode** (plumbs up to 2" line). Our two test sites (Sports & Fitness & Courthouse – thank you Brian & Roger! – report reducing the output on their generators by 25% after the installation of the Crystal Anode
- **Specialty Chemicals**. TMI now offers the following
 - Phosphate remover,
 - Phosphate test kits
 - 4 in 1 Clarifier
 - Calcium Reducer
 - Rust, Stain & Scale Remover
 - Defoamer
 - 3 month Algaecide
 - Non-Chlorine Shock

And many other traditional chemicals. Call for pricing, & information



SMART IDEA: Check your source (fill) water to understand your ongoing balancing requirements. pH, TA, CH, even chloramines may be present!

If you wish to stop receiving “Salt Speak” mailings, contact Michele at (360) 871-3930.

TMI is now a CPO Instructor Company

www.tmisaltpure.com

Now you can download tech info, RMA sheets, manuals and more from our website if you are a commercial customer or dealer. Call us for the password to the technical section!

TECH SPEAK

Water Chemistry Controllers Part 2 of a Series

What is ORP ??

ORP stands for “Oxidation-Reduction Potential”, and is a measurement of the relative tendency of different substances to loose or to gain electrons. In our world, it is a measurement showing a disinfectant’s potential to oxidize (kill) contaminants.

Oxidation first alluded to “combine with oxygen”. Daily examples of Oxidation are rust on metal, or fruit turning brown. Rapid oxidation would be a fire burning.

So oxidation involves an exchange of electrons between two atoms, with the atom that loses an electron, being oxidized, and the one that gains is “reduced”. The reduced atom no longer has an electrochemical potential, and the “oxidized” atom loses its attraction to the rest of its parent molecule. Chemicals such as chlorine, bromine, & ozone are all oxidizers. They all have the ability to “steal” electrons from other substances, that make them good disinfectants, because in altering the chemical makeup of unwanted contaminants (algae etc) in the water, they kill them. Then they “burn up” the remains, leaving few harmless chemicals as the by-product.

ORP is the only practical method we have to electronically monitor sanitizer effectiveness. The World Health Organization (WHO) has determined that ORP measurements of 650 Millivolt (MV) will disinfect drinking water. Due to the additional “load” in commercial pool/spa water (bathers), we use 700 to 750 MV as a minimum level.

Note the ORP –mV- level does not correlate to any particular part per million (ppm) measure, as there are many factors which effect the ORP level.

Next...Part 3.: More on ORP measurement and pH dependence