

# POOL SPA DOCTOR

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## WATER CHEMISTRY FOR POOLS

Water is amazing. It can cure you or make you sick. It can give you life or death. Without water to drink we would perish very quickly. But the part I like is BEST is seeing a perfectly crystal clear swimming pool. All that water sparkling, inviting, and waiting to cool you off on a hot summer day or we can simply play in it! How do we keep that pool water crystal clear? Proper water balance and filtration; It's that simple!

It's important to have the water balanced to not be aggressive to equipment as well as keeping the bather safe & comfortable. So basic is the chemistry system, even a child could do it. You just need the time many of us find hard to come up with. Trust me. I meet people all summer whose problems occur from lack of time to check things over. Unfortunately left alone with no preventative measures taken, things snowball into a unhealthy dangerous state fast. A more dangerous condition occurs from the standpoint of not being able to see to the bottom of the pool. God forbid someone fell in a pool with dirty water, we would never see him or her. Provided that your equipment is in good operating condition, we can usually have you on the road to clearer water conditions in 2 or 3 days. Or if you don't have the time because of work schedule or going away on vacation, call us. We offer weekly, a one time service or a filter rental system guaranteed to clear water fast..

## BASIC WATER TESTS & THEIR PURPOSE

**SANITIZER:** Chlorine or Bromine. It keeps the water healthy, safe, clear and algae free.

**PH:** The part of the water that maintains either alkaline or acidic properties.

**TOTAL ALKALINITY:** This balanced stabilizes the Ph from dramatic changes.

**CALCIUM HARDNESS:** Keeps water feeling soft and reduces interior deterioration.

**CYANURIC ACID:** Water stabilizer helps prevent chlorine breakdown from the sun.

**IRON & COPPER:** Minerals found in pool water can stain and cause other problems.

Water chemistry can be a bit more involved when dealing with complicated isolated experiences or unknowns. For example, I remember a major hotel calling me for a water problem. After much investigating and water testing, I determine the janitor at the hotel was washing the floor around the pool and dipping his mop into the pool to rinse it after he was dipping it into his floor cleaner solution. Or the homeowner complaining about his water with a haze through it only to find out he actually baths in it. SOAP and all! This is where experience comes in. I could never make this stuff up!