



HOT TUB WATER BALANCE

THE ESSENTIALS

pH Level

Ideal Range: 7.4 to 7.6

pH measures the acidity or alkalinity of your water. A pH that is too low (acidic) can damage your hot tub equipment and irritate your skin and eyes. A pH that is too high (alkaline) can cause scale buildup, cloudiness, and reduce the effectiveness of sanitizers.

Alkalinity

Ideal Range: 80 to 120 ppm

Alkalinity acts as a buffer for your pH levels, helping to prevent sudden fluctuations. If your alkalinity is too low, your pH will fluctuate frequently. If it's too high, it can be difficult to adjust the pH.

Sanitizer Levels

Ideal Range: 3-5 ppm

Sanitizers kill bacteria, viruses, and other harmful organisms in your hot tub water. Chlorine and bromine are the most common sanitizers. If sanitizer is too high, it can cause eye and skin irritation. If it is too low, it can result in algae or harmful bacteria.

Calcium Hardness

Ideal Range: 100 to 200 ppm

Calcium hardness measures the amount of dissolved calcium in the water. If the calcium level is too low, it can cause the water to become corrosive, leading to damage to the hot tub surface and plumbing. Too high a level can cause scale buildup on the walls, filters, and heater.

WATER BALANCING

	Too Low?	Too High?
pH	Add pH+	Add pH-
Alkalinity	Add Alka+	Add pH-
Chlorine/Bromine	Add granular chlorine/bromine or an oxidizing shock. Make sure chlorine/bromine tablets have not run out	Leave hot tub uncovered to allow excess sanitizer to burn off
Calcium Hardness	Add Calcium+	Use Spa All Out Ultra 4-in-1 Weekly

WHY IT MATTERS

Maintaining proper chemistry in your hot tub is essential for clean, safe, and comfortable water. It prevents issues like algae, bacteria, and odors, while protecting your equipment. Many water quality issues can be resolved by maintaining your hot tubs water balance. Cloudy water is often caused by unbalanced pH or low sanitizer. Hard water scaling is caused by high pH and calcium hardness. By keeping up with your water chemistry, you can avoid many common water quality issues. Keeping hot tub water chemistry in check doesn't have to be complicated! Regular testing and adjustments will ensure your hot tub stays clean and safe for use.

**Confused about your water balance?
Visit us for a FREE professional water test!**