

Snap Pool Balance

<u>Water Balance Tests</u>	<u>Required Range</u>	<u>Treatment Product</u>	<u>Period</u>
1. pH	7.2 to 7.6 pH (7.4pH is ideal)	Hydrochloric Acid (50mL / 10,000L / ↓pH 0.1) (2.0 FL OZ (50mL) / 2,500 Ga / ↓pH 0.1)	Weekly
2. Copper Ions (Cu²⁺)	0.5 to 0.6 ppM <small>(0.3 to 0.5ppM adequate in winter with <25°C water temperature and no bather load)</small>	Bionizer Program Settings (Turn output % Up or Dn)	Weekly
3. Total Alkalinity (TA)	80 to 100 ppM	Buffer / Soda Bi-Carbonate (200gm / 10,000L / ↑10ppM) (7 OZ (200gm) / 2,500 Ga / ↑10ppM)	Monthly
4. Phosphates	< 0.2 ppM (200ppB)	Bionizer PFP Phosphate Remover See Bionizer PFP Label	Monthly
5. Calcium Hardness	200 to 250 ppM Ideal (Up to 450 ppM OK)	Hardener / Calcium Chloride (100gm / 10,000L / ↑10ppM) (3.5 OZ (100gm) / 2,500 Ga / ↑10ppM)	Monthly
6. Total Dissolved Solids (TDS) <small>(Pool Shop Test)</small>	1000 to 4000 ppM <small>(Ideal 1000 to 1500 ppM)</small>	1 Bag Pool Salt per 25,000L / 6,500Ga <small>Bionizer is compatible with Magnesium salt</small>	Quarterly

Note: Strengths of chemicals may vary from packet to packet.

Please check instructions on the label of each product and add the units required to match the volume of your pool.

Your pool will sparkle & feel healthier than ever before!

BionizerTM
Chlorine-Free Freshwater Pools

THE 3 THINGS ONCE A WEEK RULE

3 TESTS EACH WEEK

Test every week (adjust if required):

- 1. pH** **7.2 - 7.6 pH**
Never add more than 500ml of acid in one dose to lower pH per 50,000 litres. Mix acid into bucket of water before spreading over pool, always add acid to water in bucket not the other way round.
- 2. Copper** **Summer : 0.5 - 0.6 ppM**
Winter : 0.3 - 0.5 ppM
- 3. Total Alkalinity** **80 - 100 ppM**

Correct phosphate levels are as important as correct pH levels and are easily controlled by using **Bionizer PFP™** Phosphate remover. When levels of phosphates are above 200 ppB in the pool water there is a risk of algae as phosphates are food for algae.

Oxidiser needs to be used in summer or when pool is in use to burn off sunscreen and body fats. This stops the water going hazy. Example: dose 2 cups (500mL)/week, add after swimming and late in the day for 50,000 litres while filter is running. Oxidiser options in order of preference 1. **Hydrogen Peroxide**, 2. Potassium Monopersulfate (Oxy Shock) or 3. Liquid Chlorine.

Tips:

1. Remember to use Pool Socks on your skimmer basket (if pool is subject to abnormally high dust or foliage dropping into the water)
2. Change sand in filter every 5 years (glass media is recommended for replacement).
3. For domestic pools, you need 5 to 6 hours circulation in summer mostly in hottest part of the day. 2 to 4 hours circulation in winter.

New Pool Start Up: Two bags of salt per 50,000L (13,000Ga) may be needed in water for new or non-salt pools for initial conductivity. The Bionizer will alert your with a flashing Red Light and/or "Check Anodes" message.

3 TESTS EVERY MONTH

(If weather/conditions are very wet/windy then do these 3 tests weekly.)

- 2. Phosphates (Algae Food)** **< 0.2ppM (200 ppB)**
- 3. Calcium Hardness** **200 - 250 ppM**

Follow these rules and check your Bionizer regularly to ensure it is operating correctly and the anodes are not worn. Do these simple steps and we promise your pool will be the source of joy it was meant to be.

Using a Bionizer to manage and control your pool or spa rewards you with sparkling and healthy water which is a pleasure to swim or spa in.