

# Strike SOLAR POOL IONISER INSTRUCTION GUIDE



## WHAT IS THE STRIKE SOLAR IONISER?

Water purification by ionisation is an ancient method of using copper and silver metals for water disinfection and has been used in modern water treatment products today. Water ionisation is one of the most effective and affordable disinfecting methods used. The ionisation process is proven to produce safe pool water and is a highly effective water treatment.

## IS WATER IONISATION SAFE?

Unlike chlorine, which can be anything from irritating to extremely harmful to your skin, eyes, hair and lungs, copper ions deliver safe, useful and long-lasting protection to prevent unwanted microbial growth. They are not only safe but they are also recognised as an essential mineral for the human body to form new blood vessels. Copper helps improve bone structure, skin, immune and nervous systems. Solar Ioniser is also perfect as a control measure for algae and bacteria in ponds with fish because they are not toxic to them. Copper ions remain in the water for longer and are not affected by temperature changes nor broken down by the U/V rays.

## HOW DOES THE STRIKE SOLAR IONISER WORK?

The solar panel of the pool ioniser accumulates energy from the sunlight, which it then converts to low-voltage electricity. It generates a safe, minimal voltage flow feed of solar-generated electricity to release the metal silver & copper ions into the water and mitigate the growth of algae and microorganisms.

## IS IT SUITABLE FOR ANY TYPE OF POOL?

Yes. The Strike Solar Pool Ioniser works with all types of pools including residential, and commercial applications, salt water and chlorine. It is also safe for all types of finishes, such as plaster, pebble, quartz, tile, and vinyl liners.

## HOW TO USE IT

**Step 1:** Test your pool and balance the chemicals and ensure it remains within these ranges otherwise the Strike Solar Pool Ioniser will not work effectively.

- pH: 7.2-7.6
- Alkalinity: 80-120 ppm
- Total dissolved solids (TDS): 500-1,000 ppm
- Calcium hardness: 200-300 ppm

**Step 2:** Place the Strike Solar Pool Ioniser into the pool and let it float.

**Step 3:** The Strike Solar Pool Ioniser panel transforms sunlight into low-voltage electricity, and electrical current powers of the anode produce the mineral Copper(2+) in the water.

**Step 4:** After 12 hours, the Strike Solar Pool Ioniser cleaning system activates, and the ionised water will start to mitigate the growth of microorganisms and algae in the pool. It also accumulates unwanted minerals such as calcium and iron and has a softening effect on the water.

**Step 5:** Remove every 15 days and clean the electrode with the brush included in the package. Check the copper level weekly, if it is more than 0.9 pp, take it out from the pool, or water will turn cloudy and green and put it back into the pool when it is less than 0.4 ppm.

**Tip:** If the pool is large, or if due to the weather conditions, adding water is required because of the evaporation, it is necessary to keep the ioniser in the water permanently.

## FAQ:

### Q. My ioniser is a bit messy. What should I do?

A. The Strike Solar Pool Ioniser releases copper and silver ions into your pool. When they interact with anions, they oxidize, or rust. This can cause discoloration, particularly around the bottom of the pool where the rust tends to settle. Thankfully, there's a simple solution to this problem; just add a metal sequestrant to your cleaning routine. This chemical will cause oxidized metals to remain buoyant and get sucked through the filter. From there, they'll be removed by your pool filter along with other contaminants.

### Q. How do I balance the pool chemicals to ensure they remain in range?

A. You can test at home using a test kit or take a water sample down to the local pool shop for testing.

### Q. What are the test strips included for?

A. These test strips will test for copper only.