

# QUICK TIPS FOR CHLORINE LEVEL AND VIRON PUMP INTEGRATION



## WARNING

FOR YOUR SAFETY - This product must be installed and serviced by a licensed electrician in accordance with the latest, enforced version of AS/NZS 3000 and any other applicable local installation codes. Before installing this product, read and follow all warning notices and instructions that accompany this product. Failure to follow warning notices and instructions may result in property damage, personal injury, or death. Improper installation and/or operation will void the warranty.

Improper installation and/or operation can create unwanted electrical hazard which can cause serious injury, property damage, or death..

## Quick tips for Chlorine level and VIron Pump integration:

This guide is intended for eQ systems installed with Chlorine and pH sensors and connected to a VIron P320, P520 & P600 pump by 6 wire communications cable.

1. The ORP Sensor is designed to prioritise the health and safety of the pool water and maximise the energy savings of the system by reducing pump speed and operating hours.
2. The potential of chlorine (or activity) is affected by many factors, the significant one being pH. Before adjusting chlorine settings, ensure your pH is correct (between 7.2 and 7.8) and that the pH set point on the eQ is being achieved.
3. When using Cyanuric Acid, (known as stabiliser or sunscreen) turn the ORP (chlorine setting) down between 400 to 600 ORP, depending on the level of Cyanuric Acid. Refer to detailed VIron eQ instruction manual.
4. During the summer, the pool may require 4 grams of chlorine per cubic meter (1000 litres) of water every day due to the temperature. For every person who uses the pool each day, add an additional 10 grams of chlorine. Eg: A 50,000 litre pool will require up to 200 grams of chlorine, and if 5 people use the pool a further 50 grams of chlorine is required. That is a total of 250 grams per day.
5. An eQ 25 Chlorinator with a maximum output of 25 grams per hour will need to operate for 10 hours a day before it even keeps a minimum residual level of chlorine in the pool. The same 50,000 litre pool with 10 bathers will need 300 grams of chlorine per day, in other words the eQ 25 will need to operate for at least 12 hours per day.

6. When the Chlorine reading falls significantly below the set point, the eQ will turn the VIron pump (optional and must be connected) onto high speed to ensure the chlorinated water is being circulated throughout the pool. This is to ensure the pool is safe to swim in. Once the chlorine reading reaches the set point, the pump will revert to a medium speed. Once the chlorine level is correct, the pump will go into a sample speed. If the chlorine level drops, then the pump speed will increase and chlorine production will resume.
7. Strong sunlight (or UV radiation) will evaporate the chlorine faster than the chlorinator can produce it.
8. If the chlorine level cannot reach the set point, then the VIron Pump may stay on high speed all day.

## Some tips for better chlorine production and maintenance of chlorine levels:

- Ensure the chlorinator electrode is full of water during operation, if not increase the medium speed of your VIron Pump.
- When operating in Ai mode, set the time for 14 hours per day.
- Let the chlorinator operate before sunrise or after sunset to allow the chlorine a chance to build a residual level in the water before sunlight can evaporate it.
- If the VIron Pump still runs on high speed all day, turn the high speed down to a recommended 2000 to 2200 RPM to achieve a proper circulation.
- Have the pool water tested by a professional pool/spa service technician and add the recommended level of Cyanuric Acid. Remember to adjust the chlorine set point once the Cyanuric Acid has been added as per the eQ installation and operating instructions.

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