

Guidelines to Operate your Grander Pool

Fresh water pool (not salt)

Chlorine doser should be set for 1 hour per evening on a separate timer to the main pool pump. (Some exceptions apply).

- The doser must be timed to operate when the main filter pump is operating.
- Doser setting should achieve up to 2ppm 1 hour after dosing and up to 0.7ppm the next afternoon prior to the doser switching on for the evening.
- Run the filter pump for approx 3 hours per evening in winter and approx 4 hours per evening in summer (certain conditions may alter these times).
- Liquid Chlorine should only be kept for 3-4 weeks, as it loses its strength; therefore size your container accordingly.
- A few kilos of granulated chlorine should be kept on hand, (called the first aid kit), for those occasional times when you run out of liquid chlorine by mistake and the pool has turned a little green. Up to 500gms should be used to shock dose, by placing in a bucket, add water then broadcast over the pool surface. The pool will go cloudy for a day or two but will recover very quickly compared to other pools.

For a salt-water pool

- Chlorinator run time should be adjusted to achieve up to 1.5ppm the next morning or up to 0.7ppm prior to the pump switching on the next evening.
- Salt levels can be reduced sustainably by up to 50%.
- Run pump in the evening only for 5-6 hours/day in Summer; 4 hours/day in Winter, ensuring that the above Chlorine readings are being achieved.

Operating your Filter Pump

Grander pools, due to their biological efficiency in producing very clean water, require up to 60% less filtering through your main filter and pump.

We recommend the following:

- The filter runs in the evening only, unless unusually high leaf matter requiring further filtering in the morning.
- Filter pump run times refer to **freshwater** and **salt pool** guidelines above.

Operating your Doser Pump

Test periodically that doser is pumping correctly; this is achieved by lifting the suction pipe to the top of the drum for until bubbles appear, while doser and filter pump are operating.

This will cause air bubbles to form in the pipe and travel towards the doser, out the other side, and disappear at the injection point. ("Bubble test")

If the air bubbles seem to just pump forward then backwards, it indicates there is a blockage, (please refer to the pump maintenance section).

Guidelines to Operate your Grander Pool

POOL TESTING

Weekly

Self-testing of Chlorine levels is recommended where possible. Using litmus paper will give you a weekly guide and indication of any malfunction that may be occurring. You should carry out the chlorine test in the afternoon before the evening dosing starts.

Monthly

testing should be done with a local pool shop. This will ensure that calcium levels remain in the correct range. The other range of tests are important to show up any abnormal readings.

**APART FROM CHLORINE AND CALCIUM, NO OTHER CHEMICALS
SHOULD BE ADDED UNLESS INSTRUCTED BY GWT**

Range of pool shop tests required

- Free Chlorine
- Total chlorine
- pH
- Calcium Hardness
- Alkalinity
- Salt
- TDS

When interpreting the results the most important is Chlorine. There are a range of factors that can influence this level; weather, pool use, doser blockages etc, so it pays to keep an eye on it.

The GWT POOL SERVICE REPORT can be filled out with the pool shop test results or just questions at any time and emailed back to us.

Guidelines to Operate your Grander Pool

CHLORINE DOSER MAINTENANCE



Ensure all pumps are off before any maintenance

A. HURLCON DOSER

1. Check the injection point periodically for crystallized Chlorine. Remove tube locking nut and pull out tube, use a small screwdriver to remove crystals from the end of the tube. Replace tube ensuring that the end is only just protruding into the filter water pipe.
2. Lubricate the squeeze tube every six months, (Lube available from pool shops)
3. Squeeze tube may need replacement after 1-2 years (available from Hurlcon see contact list). To replace:
 - Drain Chlorine out of PVC tubing.
 - Remove retaining screws and plastic face plate, and pull the tube free.
 - Disconnect the squeeze tube from barbs and reconnect the new squeeze tube to the PVC tubing.
 - Replace screws and plastic face plate.
 - If assistance is required refer to the contact list.



B. SALTMASER DOSER

1. Check the injection point periodically (the grey valve into the filter pipe) by:
 - Undoing the small locking nut and gently removing the plastic tube.
 - Undoing the second nut and removing the non-return valve.
 - Washing in hot tap water, removing any crystallized Chlorine.
 - Blow through the valve from tube end ensuring there is minimal restriction.
2. Lubricate the squeeze tube every six months, (Lube available from pool shops).
3. Squeeze tube may need replacement after 1-2 years depending on performance. To replace:
 - Open plastic flap.
 - Open plastic clamps on both sides of the rotor and pull the squeeze tube out by rotating rotor.
 - Cut the small zip ties on the long tube side to remove long tubes.
 - Push new squeeze tube fittings into long tubes and zip tie as before.
 - Replace squeeze tube ensuring you have applied lube and closed the clamps against the squeeze tube on each side.

CONTACT LIST

Grander Water Technologies (07) 55687 522
Astral Pools (Hurlcon) 1300 727 116

grander@grander.com.au
service@astralpool.com.au

Guidelines to Operate your Grander Pool

FREQUENTLY ASKED QUESTIONS, ANSWERS AND SOLUTIONS

Question: Why has my pool gone green?

Answer: 99% of the time a lack of Chlorine will cause the pool to go green.

Solution:

1. Check Liquid Chlorine level in drum.
2. Check that doser is moving liquid through the tube at the entry to the large filter pipe by creating air bubbles, ("Bubble test") if not:
 - Check the injection point for blockage.
 - Check the non-return valve in the drum for blockage / failure (Hurlcon only).
 - Check the doser timer is in sync with pump timer.
3. Add up to 300grms Granulated Chlorine for pools up to 50kl.
4. Add up to 500grms Granulated Chlorine for pools over 50kl.

Question: Why does the pool shop recommend I put buffer / acid / or other chemicals in my pool.

Answer: Traditional adjusting of pool water is done via chemicals. Because the Grander Water Conditioner produces highly effective biological sanitation, adjusting chemicals in most cases is no longer required and Chlorine usage is dropped to very low levels at the same time achieving the correct safe sanitation.

Solution: If you are in doubt please contact us, and we will clarify your pool requirements from the test results.