

GUIDE TO OPERATE YOUR FRESHWATER POOL USING GRANDER WATER TECHNOLOGY

Version 6

Register with our [GRANDER POOL CENTRE](#) by emailing or texting your contact details.

The [GRANDER POOL CENTRE](#): ● provides register of warranty ● all **advice**
● your monthly pool adjustments ● Handy Hints **advice** on seasonal changes

Mob: 0413747373 Email: wayne@grander.com.au Web: freshpoolsaustralia.com.au

START-UP WATER BALANCE FOR NEW POOLS

- Use Cal-stop, (or equivalent), when filling the new pool
- Add 20 Litres of Liquid Chlorine when filling 30-70KL pools, (adjust up or down outside these pool volumes)
- Start doser, (refer to doser settings), and monitor Chlorine reading in first week, doser may have to be turned off for a short period if Chlorine is still too high.
- Calcium to be measured and adjusted to 150ppm.

CHLORINE DOSER & FILTER PUMP OPERATING TIMES

- Chlorine doser should be set for 1 hour per **evening** on a separate timer to the main pool pump. (Some exceptions apply).
- The Chlorine doser must be timed to dose for 1 hour in the **evening**, an hour after the filter pump starts leaving at least 2 hours of filtering after the Chlorine dose finishes.
- For up to 50kl pools run the filter pump for 3 hours per **evening** in winter and approx. 4 hours per evening in summer, pools above 50kl add an extra hour for summer and winter, (certain conditions may alter these times).

DOSER SETTINGS

- Doser setting should achieve up to 1ppm of Chlorine early morning and up to 0.5ppm in the afternoon prior to the doser switching on for the evening. (Expect low Chlorine readings after midday).
- Doser setting should only be changed by 5% points at a time, and monitored.

Below is a general guide **only** for the Saltmaster Doser Settings, which are dependent on the Chlorine reading, the time of day and the type of Pool

		<u>WINTER</u>		<u>SUMMER</u>
10-20,000L	8-10%	240-300mls	10-15%	300-450mls
30-50,000L	15-28%	450-840mls	20-35%	600-1050mls
50-80,000L	28-40%	840-1200mls	35-45%	600-1350mls
80-120,000L	40-60%	1200-1800mls	50-70%	1500-2100mls

POOL TESTING

Weekly: Self-testing of Chlorine levels is recommended where possible, using test strips.

Monthly: Testing should be done with a local pool shop, to ensure that Calcium and Chlorine levels remain in the correct range. Take a photo of the report and email it to [GRANDER POOL CENTRE](#), for your monthly pool adjustments. Note the time sample is taken.

The other tests, (below), are important to show up any abnormal readings.

Pool shop tests required: Free Chlorine. Total Chlorine. pH. Calcium Hardness. Alkalinity. Salt. TDS. Phosphate.

POOL ADJUSTMENTS

- Do not adjust pH using acid
- Do not use buffer to adjust alkalinity
- Do not use Cyanuric acid, (sunscreen)
- Grander pools operate at approx. 150ppm CALCIUM levels.
- **PHOSPHATE & TDS** testing is **ESPECIALLY important**. High Phosphate leads to over chlorination which drives up TDS which in turn requires more Chlorine.
- If scale appears in **NEW POOLS** use pool acid only, like a shock dose, add 4 liters per 50kl scrub concentrated acid on affected area, this may have to be repeated.
- If the pool water has gone green due to lack of Chlorine add 10L of liquid Chlorine in one dose for pools up to 30KL and 20L for pools up to 60KL. In most cases there is no need to add other products as a Grander pool will recover very quickly.

Apart from Chlorine and Calcium, no other chemicals should be added unless instructed by [GRANDER POOL CENTRE](#)

Liquid Chlorine should only be kept for 3-4 weeks, as it loses strength; therefore size your container accordingly. Do not add new chlorine on top of old.

CHLORINE DOSER MAINTENANCE

Do the '**BUBBLE TEST**' every time you change Chlorine drums to ensure doser is pumping correctly. (follow instructions below)



WARNING: Install Doser out of elements. Protecting from Rain & Sun

1. Turn doser timer to manual
2. **BRIEFLY** lift suction tube until bubbles appear
3. Watch the bubbles move through the doser and disappear out the injection point. (Grey valve in filter pipe)

If the air bubbles seem to just pump forward then backwards, or move very slow, it indicates there is a blockage or the squeeze tube needs replacing.

Refer to the doser maintenance section below, or contact **GRANDER POOL CENTRE:**
Mob: 0413747373 Email: wayne@grander.com.au

Ensure all power is off before making adjustments

- 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 injection point.
 - 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 12 months 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 nipples into long tubes and zip tie as before.
 - Replace squeeze tube from the left hand side in a clockwise motion, ensuring you have applied lube and closed the clamps against the squeeze tube on each side.

CONTACT LIST

Grander Water Technologies (07) 55687 522
Mob: 0413747373
Email: wayne@grander.com.au

TO CONVERT FROM SALT TO A FRESHWATER POOL GO TO:
freshpoolsaustralia.com.au