

# Inground Pool Care & Operation

## **Filtration System:**

1. When the Pool is open and water is clear and balanced, run the filter for at least 5 hours per day in the spring. When water temperature reaches 70 degrees, run the filter for at least 8 hours during the hottest part of the day.
2. Use 6 lbs. of DE when you initially start the filtration system, adding 1 lb. at a time allowing the skimmer to clear up before adding the next. Each time you backwash, add another 6 lbs. of DE to filter. **ADD DE TO SKIMMER ONLY!!** DE coats the vertical grids on the inside of the filter to strain bacteria, small particles, etc.
3. Most start up around 10 psi on the pressure gauge located on top of the filter. Be mindful that 10 psi over normal start up is when it's time to backwash. (See backwash procedure below).

## **Multiport Valve:**

1. **Filter** Operates 99% of the time in this position.
2. **Waste** Used to lower water level or to vacuum heavy debris and algae out of pool.
3. **Closed** Winter use or when filter is below pool level and pump basket needs to be cleaned. Never leave in this position while running).
4. **Backwash** Procedure explained below.
5. **Recirculate** Bypasses filter. Used for circulating chemicals when filter is inoperable or when filter is drained for winter.
6. **Rinse** Procedure explained below.

***Never turn multiport when filter is running, and always turn in a CLOCKWISE direction.***

### **Pump:**

1. To prime pump: fill with water, make sure the o-ring is on the lid, secure the lid hand tight, and start filtration system.
2. If needed, turn either the main drain or skimmer line off to help speed up the process then gradually open that valve back up once prime is caught.
3. Check for leaks periodically and have them serviced right away to prevent damage to the motor and its components.
4. Spray for Ants at least 2 times a year (spring and fall) to prevent damage to the pumps.
5. Avoid covering with tarps in winter months, as this can draw critters in, causing major damage.

### **Compool Valve (also known as "Jandy Valve/Gate Valve"):**

1. Normal position (when handle to valve is facing pump basket) will circulate water from the skimmer(s) and main drains.
2. Valve handle can be turned with filter running to turn off skimmer or main drain line, if needed.
3. Never leave the "off" facing the pump while running, as it can damage your pump.

### **Automatic Chlorinator: (Not on pools with a salt generator).**

1. Use tablets or sticks. Set the control valve to 4 and adjust as necessary.
2. Add approximately 6 tablets/sticks per week. Do not fill chlorinator more than 2/3 and **DO NOT** over tighten the top. Replace o-ring, if leaking.
3. Check o-ring and check valves periodically. Make sure plastic screen is still intact in the bottom allowing the tablets to dissolve properly.

### **Salt Generator: (Optional)**

1. Maintain salt reading at 3200 ppm.
2. If level is low, broadcast salt to deep end of pool with either the main drain turned off or pool off and brush until dissolved.
3. Adjust percentage around 40% - 60% for optimal chlorine output.
4. Granular chlorine may still be used if salt generator cannot keep up with chlorine demand.
5. Pool water should be tested at the beginning of the season to assure salt reading and cyanuric acid level is in the correct range.
6. Always check salt reading after a heavy rain or bather load (24 hrs.).
7. The cell will prompt you to inspect and clean the cell every 3 months of usage.
8. If unsure of procedure, please schedule to have a service tech clean it for you or bring the salt cell into one of the stores for assistance.

### **Frog Leap Mineral System:**

1. Set Mineral infuser to 5. (Replace Every Year).
2. Set Frog Leap Torpedo infuser per pool size. (Replace every month).
3. Use Pool shock after heavy bather loads or good rainfall (1 lb. per 10,000 gallons).
4. Frog Leap All-Out Algaecide is a 90 day algae protection.
5. **ALWAYS REMOVE MINERAL INFUZER FOR 48 HRS. WHEN ANY KIND OF METAL OUT REMOVER IS USED, SUBMERGE IT IN A BUCKET OF WATER TO PREVENT FROM DRYING OUT AND REPLACE AFTER TREATMENT.**
6. **Only** use the Frog Leap Test Strips provided for testing your water.

### **Ultraviolet Light and Ozone Combination (35,000 gallons) (Renaissance):**

1. Bulb Life Span is 13,000 hours, replace as needed.
2. Bulb Wattage is 57 watts.
3. Generally use 80% less Chlorine, still shocking once a week.

### **Automatic Vacuum:**

1. Run the automatic vacuum approximately 2-4 hours per day.
2. Keep the bag free of excessive amounts of debris. Too much debris in the bag will cause the unit to tip on its side, therefore not vacuuming properly.
3. **DO NOT** remove vacuum from pool when filtration system is running.
4. Keep the wall fitting screen free of debris. (Check weekly).
5. The automatic vacuum is a maintainer of a relatively clean pool. **DO NOT** assume that it will clean a pool with a significant amount of leaves and dirt.
6. Running in a pool covered in Algae will just clog the bag and not work properly.
7. The automatic vacuum is not a play toy; please keep children from standing on unit.

### **Backwashing Filtration System:**

1. Turn off power.
2. **DISCONNECT** automatic vacuum from wall outlet.
3. Roll out backwash hose to designated area.
4. Turn multiport valve to backwash. (**Always turn Clockwise direction**).
5. Turn on power.
6. Monitor sight glass and run until clear (approximately 1 minute) (cloudy-dirty-cloudy).
7. Turn off power.
8. Turn multiport valve **CLOCKWISE** to rinse. (This helps mix things up in filter).
9. Turn power on for 5-10 seconds.
10. Turn off power.
11. Repeat steps 4 through 10 two more times.
12. After 3<sup>rd</sup> time, turn multiport valve **CLOCKWISE** to filter.
13. Turn on power.
14. Add 6 lbs. of DE powder into skimmer (1 lb. at a time) allowing the skimmer to clear up in-between scoops.

**NEVER RUN FILTER WITHOUT DE IN IT!!**

### **Test Kit:**

1. Fill test kit with water to marked line from 1 ft. below surface, away from returns.
2. Add 5 drops of phenol red into vial (red) to get pH reading. (Always add the phenol red solution before the OTO solution).
3. Add 5 drops of OTO into vial (yellow), invert to get immediate chlorine reading.
4. Chlorine should be tested every other day. pH once per week.

### ***Pool Shock: SunGuard Cal Hypo (salt and mineral):***

1. Use on a weekly basis to establish a chlorine reading.
2. To raise the chlorine level from 0 ppm to 3 ppm it takes 1 lb. (per 10,000 gallons) of granular chlorine.
3. **Add slowly to skimmer while filter is running. DO NOT broadcast over pool surface.**
4. Always run filter for at least 2 hours after adding chlorine.
5. 1 lb. of SunGuard Cal Hypo treats 10,000 gallons of clear water  
-----cloudy water you double your formula, green water you triple your formula-----

### ***pH Up or Down:***

1. Maintain balance of 7.2 - 7.8.
2. It takes 1 lb. (per 10,000 gallons) of pH Up or Down to change the reading by .2 ppm. Broadcast over pool surface with filter running. **DO NOT** add to skimmer. Wait 24 hours to recheck.

### ***Algaecide:***

1. Inhibits the growth of new algae in pool.
2. Add 1 quart of 60% algaecide directly to water upon spring start up.
3. When water temperature rises to 70 degrees and above, add 6 oz. (per 10,000 gallons) each week on a regular basis to control algae growth.

### ***Manually Vacuuming:***

1. Place vac head on swivel end of vac hose and skim vac plate on other end.
2. Fill hose completely with water using the return flow from the filtration system.
3. Once water comes out of the end with the skim vac plate, place down on skimmer basket.
4. If more suction is needed, turn main drain off (Jandy Valve) (making sure pressure doesn't drop).
5. Run filter until done vacuuming.
6. When finished, turn off filter, remove skim vac plate and hose from skimmer and return the Jandy Valve to the normal position. Empty debris from pump basket if needed and turn filter back on.

### ***Lowering Water level:***

1. Turn filter off.
2. Unroll the backwash hose to designated area.
3. Turn multiport **CLOCKWISE** to waste.
4. Turn filter on and drain until the water level is approximately at the halfway mark on the skimmer faceplate.
5. Pool will drain relatively quickly. **DO NOT leave unattended while pumping down.**
6. **DO NOT ADD DE.**

### ***Pool Returns (eyeballs):***

1. The eyeball is adjustable. Try to keep them slightly faced up and towards the wall creating a small ripple on water in a circular direction to flow debris into the skimmer.
2. When vacuuming, adjust the eyeball to point downward to increase visibility.

**Scum Ring around Pool:**

1. Use a soft sponge or cloth to scrub or wipe clean with a vinyl cleaner. (Magic eraser works great).
2. **DO NOT** use any harsh detergents or abrasive cleaners, as it could scratch the liner.
3. For tough stains, use SunGuard Tile and Vinyl Cleaner sold at one of our stores.

**\*\*IF UNSURE ABOUT ANY PROCEDURES, PLEASE CALL US\*\***  
**410-479-1447**

1. DO NOT MIX CHEMICALS. MAY CAUSE AN EXPLOSION OR INJURY
2. KEEP LIDS TIGHT ON ALL CONTAINERS
3. DO NOT SMOKE WHILE HANDLING CHEMICALS
4. CLEAN UP ALL SPILLS PROMPTLY
5. DO NOT INHALE FUMES
6. PLEASE BE SAFETY CONSCIOUS
7. ALWAYS KEEP THE RECOMMENDED CHLORINE READING OF 3 PPM. MOST PROBLEMS WITH THE WATER CHEMISTRY CAN BE FIXED BY ADJUSTING YOUR CHLORINE READING
8. HAVE YOUR POOL WATER TESTED AT THE BEGINNING OF THE SEASON TO MAKE SURE YOU ARE PROPERLY BALANCED
9. TEST WATER WEEKLY
10. POOL WATER WILL EVAPORATE APPROXIMATELY  $\frac{1}{4}$ " PER WEEK

**KNOW THE TYPE OF SYSTEM YOU HAVE IN CASE YOU NEED TO CALL FOR REPAIRS**

- a. Filtration System \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- b. Automatic Vacuum \_\_\_\_\_
- c. Heater (type) \_\_\_\_\_
- d. Light \_\_\_\_\_
- e. Pool Size \_\_\_\_\_
- f. Extras \_\_\_\_\_  
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