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POOLS & GAMES
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2022 NEW Synergy – Start Up/Fresh Water

1. Remove any metals if present.
2. Balance pH, Alkalinity, Calcium Hardness. (Computer Print Out)
3. Add _____ lbs Granular Chlorine. (Zip Chlor or Quick Shock)
4. Let filter run for 8hrs or overnight.
5. Add _____ lbs Granular Chlorine (Zip Chlor or Quick Shock)
6. Add Initiator through skimmer.
7. Add _____ tabs to floater 1" tabs - 1 tablet per 1,000 gals or _____ 3" tabs per 1 tablet per 10,000 gals.
8. To maintain borate level - Add _____ caps of Weekly Treat (1 cap per 10,000 gals) directly to pool.
9. Add _____ caps of Pool Perfect Total (1 cap per 10,000 gals) through the Skimmer 1-2 days before or after adding shock.

Weekly

1. Test Water-adjust pH and Alkalinity as needed.
2. Refill floater with _____ tabs 1" tabs - 1 tablet per 1,000 gals or _____ 3" tabs - 1 tablet per 10,000 gals.
3. To maintain borate level - Add _____ caps of Weekly Treat (1 cap per 10,000 gals) directly to pool.
4. Add _____ bag(s) of Multi Magic or TKO/Turbo Shock (1 bag up to 20,000 gals).
5. Add _____ caps of Pool Perfect Total (1 cap per 10,000 gals) through the Skimmer 1-2 days before or after adding shock.

*With extreme heat we recommend shocking mid-week with Multi Magic shock (1 bag per 10,000 gals) or TKO/Turbo Shock (1 bag per 10,000 gals) if Cyanuric acid level is at a reading of 60 or above.

Add the maintenance shock on the day you add your Tabs, then 3-4 days later you should use additional Shock.

Cloudy Water

Shock with one of these:

- Oxy-Brite

- Multi-Magic

*avoid using a calcium based shock

Keep an eye on filter pressure, clean filter when necessary.

Algae

Use Combination of Shock & Algaecide:
Quick Shock & Green Treat (Green Algae)
Quick Shock & Shock & Swamp Treat (Severely Green/Swampy Water)
Quick Shock & Shock & Yellow Treat (Yellow Algae)

Filter will clog often, it's imperative that you stay on top of cleaning & adding fresh DE or backwash Sand Filter when necessary.

*Depending on the severity you may need to shock daily until water is clear.

Once Algae has been treated and removed, have your water tested for phosphates.
It is important to remove phosphates from the water. With phosphates (a main food source for algae) present in your pool water, algae will continue to bloom regardless of a proper chlorine reading. Phosphate levels can be maintained at close to a zero PPB(parts per billion) level by adding Pool Perfect Total weekly.

Cleaning & Troubleshooting Filters

Sta Rite DE (Above Ground)
When to clean the filter
Pressure goes 8 PSI above starting pressure(starting pressure is when filter is clean and fresh DE has been added)
Also can tell by the water pressure at the return, if it's not pushing your hand away.

To clean:

1. Turn off pump
2. Turn off valve on front of pump(This will stop the water from coming into the pump and filter)
3. Remove the Drain Plug on bottom of the Filter Tank and open up the Air Bleeder on the top of the tank
4. Once water is drained from the tank remove the tank ring
5. Remove cartridge and hose off with water
6. Hose out the inside of the tank
7. Clean out the Pump housing basket
8. Screw Plug back in to the bottom of the tank
9. Put filter cartridge back in tank and pour 6lb of DE or Perlite (6 orange scoops) in the center of the cartridge
10. Put top back on and screw on the tank ring(make sure the oring on the top is lubricated)
11. Open the valve on the front of the pump

D.E. Filter Troubleshooting

Problem: Cartridge not seated correctly. Hole or tear in Filter Cartridge. Missing or bad check valve. Missing or broken air release strainer(on top of cartridge).

Symptom: DE Filter Powder Returning to the Pool

If one of the parts inside the DE filter goes bad, it is immediately obvious because DE will be returning to the pool. Always keep an eye on the filter returns after recharging the filter just to make sure nothing is coming back to the pool.

Sand Filter (Inground & Above Ground) (Also the same for some DE filters – Pentair FNS , Hayward MicroClear & ProGrid)
When to backwash the filter
Only backwash when pressure goes 5 PSI above starting pressure(starting pressure is when filter is clean) or pressure coming out at return is weak(not strong enough to push your hand away)

How to backwash the filter
(Always turn multiport valve clockwise)
Make sure you have a backwash hose hooked up to the backwash port on the valve

1) Turn pump off.
2) Unroll or attach backwash hose to backwash port on valve.

3) Turn multiport valve to backwash position.
4) Turn pump on and run it for 2 minutes (or until water in sight glass is clear or running clear from hose)
5) Turn pump off.
6) Turn multiport to rinse position. Rinsing after backwashing prevents the filter sand & any remaining dirt from running through the pool lines and into the pool.
7) Turn pump on and run it for 30 to 60 seconds.
8) Turn pump off.
9) Turn multiport valve to filter position.
10) Check pool water level after backwashing - add more water if necessary

Positions on Multiport Valve

- *Closed* - Set the valve handle to "Closed" by moving it clockwise when you need to shut off the flow off water from the pump to the filter. This function is used when the pool is closed for the winter or when there are any mechanical problems with the pump.
- *Winterize* - This function is used when the pool is closed for the winter.
- *Filter* – Filters water through sand
- *Backwash* - Backwashing is usually done once a week or when the pressure gauge raises 8 - 10 parts over the initial reading. See Backwash Instructions.
- *Waste* - Turn the multi-port valve handle clockwise to "Waste" when you need to lower the water level in the pool or when the pool has a large amount of debris to vacuum out. While the handle is in the waste position, the water does not filter through the sand filter, but is run out the backwash hose.
- *Rinse* - is used after the backwash function to prevent the filter sand & any remaining dirt from running through the pool lines and into the pool.
- *Recirculate* - Circulates water without filtering through sand. Can be used to bypasses filter to check for pump problems or when added chemicals that only need to be circulated for a specific amount of time (ie Floc).

Filter sand will last 3-5 years before the sharp edges become rounded, resulting in less effective filtration.

If filter sand is going back into the pool
Small amounts after backwashing may be nothing much to worry about, but if you have a steady deposit of filter sand laying on the floor beneath the pool return, then you may have a broken filter lateral or standpipe. You'll need to take apart and inspect the internal parts of the filter.

No matter what type of filter or chemicals you use we recommend using a skimmer basket liner. The fine mesh basket liner will collect pollen, insects, debris and help prevent dirt from entering your filter which will allow better water flow and longer filter cycles. They can be rinsed out and re-used.

<u>Automatic Cleaners - How They Work & Troubleshooting</u>

<u>Dolphin Active 10</u>

- Works independent of Pool Filter and Pump
- Just drop in and press a button
- Filters bottom of pool down to 2 microns (equivalent to a DE filter)
- Comes with a filter basket
- Actually pays for itself by reducing total maintenance bills (chemical, water, and energy)
- Works on all Flat Bottom Pools up to 36'
- Costs less than 15 cents to clean the pool
- Auto Shutoff at 1.5 hours
- Will automatically avoid getting stuck
- Warranty – 1 year
- Serviced at Landi Pools and Games Vineland location

Common issue: **Moving Slow or barely at all –** Basket needs to be emptied/cleaned
Not Moving at all or picking anything up - Check Propeller on top of cleaner, often debris(leaves, twigs, etc.) get stuck and jam up the propeller.
Cable gets twisted and tangled up – Lay cord in a straight line or wrapped around something so that it does not tangle