



POOL MAINTENCE NOTES FOR COMMERCIAL OR RESIDENTIAL POOLS & SPAS

For a reasonable fee, Vern's Pool Service will provide training to enable you to perform most standard pool Maintenance duties

www.vernspoolservice.com

POOL MAINTENANCE NOTES

The following items are normal pool maintenance procedures. Instructions for each procedure are below.

Water Chemistry: Test chemicals and add chlorine, soda ash, or acid as needed **DAILY**. Record chlorine and ph.

Equipment: Backwash filters as often as necessary to keep the filter clean, as indicated by the markings on the pressure gauge. Clean the hair/lint pot basket as needed. Clean skimmer basket as needed.

Clean pool: Skim leaves, vacuum pool, brush walls and steps.

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HOW TO TEST CHEMICALS AND ADD THEM AS NECESSARY

When Using The Instatest Pro Strips

If you are using the Instatest Pro strips, first, make sure your hands are dry so you don't contaminate the rest of the strips, and take one strip out of the bottle, swish in the water and compare it against the chart on the bottle.

In the summer, months if the Chlorine color is less than 3.0 PPM, add 1 gallon of chlorine and refill the tablet chlorinator. Liquid chlorine should be used in winter and tabs plus liquid used in the summer.

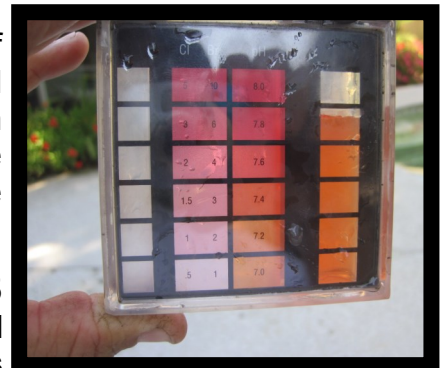
When check the pH, If the color is 7.2 or lower, add soda ash (about 1 LB coffee can 1/2 full) directly to the pool water. If the color is dark purple, (7.8 or higher) add muriatic acid sparingly and slowly to the deep end of the pool. Never add more than 1/2 gallon at a time. Wait at least one day before re-testing for results.

When Using The Taylor Test Kit

Test for chlorine by using the left side of the tester.

Add 5 drops of DPD Reagent #1, then 5 drops of DPD Reagent #2 (bottle with yellow cap) and compare the color to left. If the color is less than 3.0 PPM, add chlorine. Liquid chlorine should be used in winter and tabs plus liquid used in the summer.

Test pH by using the right side of the tester. Add 5 drops of the phenol red solution (red cap) and compare with the color to the right. If the color is



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7.2 or lower, add soda ash (about 1 LB coffee can 1/2 full) directly to the pool water. If the color is dark purple, (7.8 or higher) add muriatic acid sparingly and slowly to the deep end of the pool. Never add more than 1/2 gallon at a time. Wait at least one day before re-testing for results.

Test Alkalinity at least one time per week, using the alkalinity test kit. Follow the instructions in the kit. If the reading is below 80 PPM, add 2-lbs. soda ash directly to the pool. If the reading is above 120 PPM, use muriatic acid, add muriatic acid quickly to the deep end of the pool, pouring in 1 place to bring the reading down to the 80--120 range. Never add more than 1/2 gallon at a time; wait at least one day before re-testing for results.

Tests should be done once a week in cool months and daily in the warm months.

HOW TO BACKWASH THE FILTER

Turn the pump off. Unlock and raise the backwash handle.

Turn the pump back on. Run the pump for 1 to 2 minutes.

Turn the pump back off. Lower and **LOCK** the backwash handle back in the **Normal operating position.**

Repeat several times if necessary.

If you have a DE Filter, after returning the backwash handle to normal operating position, Turn the filter back on, and add 1lb per 10 sq. ft. of filter area of DE (Diatomaceous Earth) through the skimmer at the poolside, **while the pump is running**. For Example: if you have a 60 sq. ft. filter, you will need to add 6 pounds of DE. You can use a 1 lb. coffee can to measure with. The DE will flow through the pump and stop in the filter. DE is also known as Filter Aid. **The filter will not function without DE.**

Backwash when the pressure reaches the upper end of the blue mark (20 to 30 lbs.) on the filter pressure gauge. The pressure should go back down to the lower mark after you backwash. If the pressure does not go down, a filter breakdown and cleaning is required. Backwashing may be required as little as weekly, or as much as daily, depending on the number of swimmers in the pool and other factors.

If your filter is a sand filter, you will not need to re-add DE after backwashing.

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HOW TO CLEAN THE HAIR/LINT POT BASKET

Turn off the pump. Remove the lid of pump pot. Lubricate the “O” ring if it is dry.

Remove the basket and empty it into the trash. Inspect it for signs of cracking or warping. Install a new basket if it is damaged.

Replace the basket, “O” ring, and lid onto the hair/lint pot.

Turn the pump on.

Wait with the pump until the water is flowing. If the water flow does not start within 5 minutes, turn the pump off and check the following. Is the “O” ring under the lid? Does the pot have water in it? Is the lid tight? If the water still will not flow call for service. Be sure to remove the “ON” tripper from the faceplate of the timer to prevent the pump from restarting automatically while waiting for service.



SKIMMING THE LEAVES AND VACUUMING

To skim leaves or remove toys from the pool, clip the leaf net onto the telescopic pole and use a skimming motion on the top of the water, or a “bump and scoop” motion on the bottom of the pool.

Skim the leaves from the surface first, then the bottom.

To vacuum, make sure the equipment is running, then attach the vacuum hose to the vacuum head and submerge into the water at the deep end of the pool. Feed the hose into the water until the air in the hose is displaced by water. Hook the unattached end of the hose into the suction hole inside the skimmer, underneath the leaf basket. Do not vacuum large items or large amounts of leaves, or stoppage in the underground lines may occur.

After vacuuming the pool, roll up and store the equipment in a shaded area. Exposure to direct sunlight will cause the equipment to wear out prematurely.



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SPECIAL INSTRUCTIONS FOR COMMERCIAL POOLS FOR THE SUMMER SWIM SEASON

Keep an Adequate supply of chemicals on hand. If the pool is cloudy, you cannot wait until the next day to put in chlorine. Keep at least one (1) case of liquid chlorine at all times. During the summer months, you should be adding both liquid and tablets during the week.

Maintain water level in the pool halfway up the tiles. Check your water level every morning. If the water runs low, your equipment will not be able to run and you will have no circulation in your pool! Your pool can turn green in a few hours without good circulation, and you may burn up your pump. Wind and heat can cause your pool water to evaporate as much as 3" a day!



Test your water every day. During the summer due to the heat, your pool can turn cloudy in a few hours. If your pool is cloudy, close it until it clears.

Accidental Fecal Release. If one of your tenants has an accident in the water, **CLOSE THE POOL!**

INSTRUCTIONS FOR THE WINTER WEATHER

Maintain water level in the pool halfway up the tiles. Just because there are no swimmers doesn't mean you can neglect the pool. If the water runs low, your equipment will not be able to run and you will have no circulation in your pool! Your pool can turn green in a few hours without good circulation, and you may burn up your pump.

COMMERCIAL POOL EQUIPMENT & CHEMICALS NEEDED

CLEANING TOOLS

Vacuum head
Swivel Hose 1.5" x 50'
Leaf Rake
Wall Brush
Telescopic Pole
Test Kit
Lid Wrench

CHEMICALS

50# Trichlor tablets

AMOUNT NEEDED

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Liquid Chlorine 4/case 6 in summer 2 in winter
25# Soda Ash (PH decreaser)
Acid 2/case 1
25# Diatomaceous Earth (DE)

Keep these chemicals in a well-vented area.

SAFETY EQUIPMENT AT THE POOLSIDE

Professional quality life ring with 30" rope

Body hook with a 15 foot pole attached.

Virginia Graeme Baker approved drain cover on the main drain and any equalizer valves

Six Way Safety Sign

VIRGINIA GRAEME BAKER COMPLIANCE

VIRGINIA GRAEME BAKER: In order for VPS to service your pools, they must comply with the Virginia Graeme Baker Pool & Spa Safety Act or immediately be brought into compliance. To remain in compliance with the VGB requirements, some equipment, deck and drains must be replaced every five years.

Stingl equipment requires special maintenance conditions. In order to keep the equipment from shutting down, and not resetting, it will be necessary to run it continuously during the swim season.

STINGL – SR500 CALIBRATION INSTRUCTIONS If the alarm goes off and you receive **error codes E14, 316, OR 317**, hit the **OFF** button prior to calibration (Step 1). For **error code F9**, proceed directly to step 2

STINGL FULL RESET INSTRUCTIONS

1. After turning the Stingl **OFF**, Hit the **MAINTENANCE** button to make sure the system (pump) is primed. Hit the **OFF** button again.
2. Then Hold the **SET** button until the screen reads "*SERVICE MODE—TECHNICIAN ONLY*"
3. When the screen reads "*SERVICE MODE —TECHNICIAN ONLY*" release the **SET** button. The screen will change to read "*FIRMWARE VERSION*"
4. When the screen says "*FIRMWARE VERSION*" hit **SET**.
5. The screen will say "*INITIALIZE UNIT?*" hit **NO**
6. The screen will then say "*SET SENSOR TO ZERO*" hit **NO**
7. When the screen says "*PRIME PUMP*" hit **YES**. The pump will come on. The pump needs to achieve full prime, if this does not occur within 60 seconds, repeat step 5.
8. When the pump is fully primed, hit **YES**

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INSTRUCTIONS FOR RESIDENTIAL POOL OWNERS

Maintain water level in the pool halfway up the tiles. Check your water level every morning. This must be done in both the summer and the winter. If the water runs low, your equipment will not be able to run and you will have no circulation in your pool! Your pool can turn green in a few hours without good circulation, and you may burn up your pump.



If you are planning a party, notify your pool service at least 48 hours in advance, so your pool can be prepped for additional swimmers, both before and after the party.

Please notify your pool service *at once*, if your pool starts to look cloudy or develops green along the walls.

In the winter after a storm, there probably will be additional debris in your pool. Please let your pool service know when this happens, and then be patient; remember, every other pool on the route looks the same, and each pool is taking longer to clean. Individual Homeowners who are cleaning taking care of their own pools should have the following:

POOL CLEANING TOOLS

- Small vacuum head
- Vacuum hose with swivel
- Leaf rake
- Wall brush
- Telepole (expanding 3-part pole)
- Basic Taylor Test Kit
- Instatest Strips
- Lid Wrench for hair/lint pot
- Floating chlorine tablet holder for residential pools

CHEMICALS TO HAVE ON HAND

- 1 case liquid Chlorine (4 gal-case)
- 1 gal. liquid muriatic acid
- 25# bag of Soda Ash
- 25# bag of Diatomaceous Earth (DE) if you have a DE Filter

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Keep these chemicals in a well-vented area.

SAFETY EQUIPMENT AT THE POOLSIDE

- Professional quality life ring with 30" rope
- Body hook with a 15 foot pole attached.
- Virginia Graeme Baker approved drain cover on the main drain and any equalizer valves.

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