

## PHOSPHATE HELP GUIDE

### WHAT ARE PHOSPHATES?

Phosphates are a salt of phosphoric acid, commonly found in your pool water. It can accumulate due to several environmental factors including; fill water, landscaping or vegetation run off, leaves, twigs and bark and even some chemicals containing phosphoric ingredients. Typically, phosphates are what lead to the growth of algae in water bodies. While phosphates are important for human and animal health, too much of anything, of course, can be harmful. Phosphorus is a naturally occurring metal. It is a non-metal and is not toxic the way it is made out to be. The only fault lies in the fact that it is the perfect feeder for algae growth and could be responsible for your pool turning green and gooey – an undesirable prospect by all means.

High phosphates need to be removed and purified from the water.

#### **Please Note:**

Algae must be treated prior to treating phosphates. Pool is swimmable while treating phosphates!

### PHOSPHATE REMOVAL

#### LOW PHOSPHATES (UNDER 1000 PPB)

Test for phosphates. If below 1000ppb follow these instructions:

1. **Clean filters. For sand filters:** Backwash until water runs clear. **For cartridge filters:** Remove the filters and give a hose off.
2. **Add:** 2L of Natural Chemistry PhosFree for 80,000L. Shake the bottle up before adding. **For cartridge filters:** Add dose 1L at a time, 3 - 4 hours apart.
3. Run the pump for the next 48 hours. During this time, your pool may go cloudy.

4. After 48 hours, clean the filters again.
5. Re-test phosphate levels, and proceed as needed.
6. Once below 500ppb, we recommend using either Natural Chemistry Pool Perfect Plus Phosphate or Aqua No Phos Tabs to help keep the phosphates at a good level.

#### HIGH PHOSPHATES (OVER 1000 PPB)

1. This process will cloud the water for at least 24 hrs. We recommend that you do this process when you do not mind having a cloudy pool.
2. Test water at our water lab. If the amount is over 1000ppb, you will have to go a heavy dose. It is important to remember, that once you're over 2000ppb of phosphates, we are unable to know what your true phosphate level is. You may have to do several dosages of this process to remove phosphates to appropriate levels.
3. **Clean filters. For sand filters:** Backwash until water runs clear. **For cartridge filters:** Remove the filters and give a hose off.
4. **Add:** 1L of Phosphate Remover for 100,000L with the pump running. Make sure you give the bottle a good shake and once the bottle is empty, fill the bottle with pool water and give a good shake and pour into the pool.
5. **Add:** 150ml of Super Clarifier for 100,000L.
6. Run the pump for the next 48 hours. During this time, your pool will go cloudy. This is normal as the higher concentration phosphate removers will cloud the pool, once added.
7. After 48 hours, clean the filters again.
8. Re-test phosphate levels. Proceed as needed.

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9. Once below 500ppb, we recommend using either Natural Chemistry Pool Perfect Plus Phosphate or Aqua No Phos Tabs to help keep the phosphates at a good level.

### PHOSPHATE REMOVAL PRODUCTS

#### NATURAL CHEMISTRY PHOS FREE INSTRUCTIONS:

##### Dosage For Regular Phos Free:

For sand filters: Use 1 of bottle per treatment

For cartridge filters: Use ½ of bottle per treatment

##### Dosage For Commerical (Extra Strength) Phos Free

For sand filters: Use ½ of bottle per treatment

For cartridge filters: Use 1/3 of bottle per treatment

1. Clean or backwash filter.
2. Shake well and add dose to skimmer with circulation running.
3. Run filter for 48 hours continuously without cleaning/backwashing.
4. Turn off system for 48 hours (allows organic matter to settle to bottom).
5. After 48 hours hand vacuum pool and clean/backwash filter.

#### AQUA NO PHOS TABS INSTRUCTIONS:

##### Dosage Determined By Phosphate Levels

1. Clean or backwash filter.
2. Add tablet to the skimmer basket with pump running
3. Run filter for 48 hours continuously without cleaning/backwashing
4. Turn off system for 48 hours (allows organic matter to settle to bottom)
5. After 48 hours hand vacuum pool and clean/backwash filter

#### CLUB PRO PHOSPHATE REMOVER:

##### Dosage:

To remove 1,000 ppm of phosphates at 100 millilitres of phosphate remover per 10,000 litres of pool water.

1. Pour phosphate remover into skimmer.
2. Run filter system for 24 hours (water will turn cloudy but will clear on its own, but may take a week to clear completely; but is still swimmable).
3. Watch filter pressure and clean or backwash filter as necessary according to manufacturer's directions.