

Biguanide, TAC, pH & TH test strips

Introduction

- These test strips are used to control your pool water treated with **REVACIL** (chlorine free treatment).
- The measuring system is under the form of test strips to put in the water. They can replace measuring test kits.
- The test strips have coloured indicators which change colour. In less than one minute, they allow to know if your pool water is properly disinfected.

1. Measuring the quantity of disinfectant: Biguanide REVACIL level

This level is very important because, if it is well controlled, it allows to have a disinfected and disinfecting water. It must be maintained at a level higher than 30 mg/l and lower than 45-50 mg/l.

2. Measuring Total Alkalinity (TAC)

TAC value indicates the capacity of a water to absorb the great changes of water pH (“buffer effect”).

2a.- At pool filling: measuring TAC gives an indication of water quality. TAC must be higher than 5°F and if possible lower than 25°F. A TAC next to 10/15°F is ideal.

2b.- during the season: measuring TAC allows to estimate the “buffer effect” of the water. This value may vary during bathing season.

3. Measuring pH

Maintaining pH near its balance zone – according to your water quality – is essential for your comfort. Natural water balance may change. It is then necessary to readjust pH at its balance value.

A valuation of your water quality is given by the measure of TAC at pool filling.

4. Measuring Hydrometric Title (TH) called Hardness

TH value allows to know if a water is soft or hard.

.- A water is called *soft* if TH is lower than 6°F.

.- a water is called *medium* if TH is between 6 and 20°F.

.- a water is called *hard* if TH is between 20 and 35°F.

.- a water is called *very hard* if TH is higher than 35°F.

These test strips are specific for pools treated with **REVACIL**. They cannot be used for pools treated with chlorine.

Easy to use, they allow to test your water as often as wanted. It is recommended to test your pool at least once or twice a week according to frequentation.

Using method

Do your analysis in two times :

- In the first place, immerse test strip for 2 seconds in pool water to check in the following order: TH, pH and TAC.

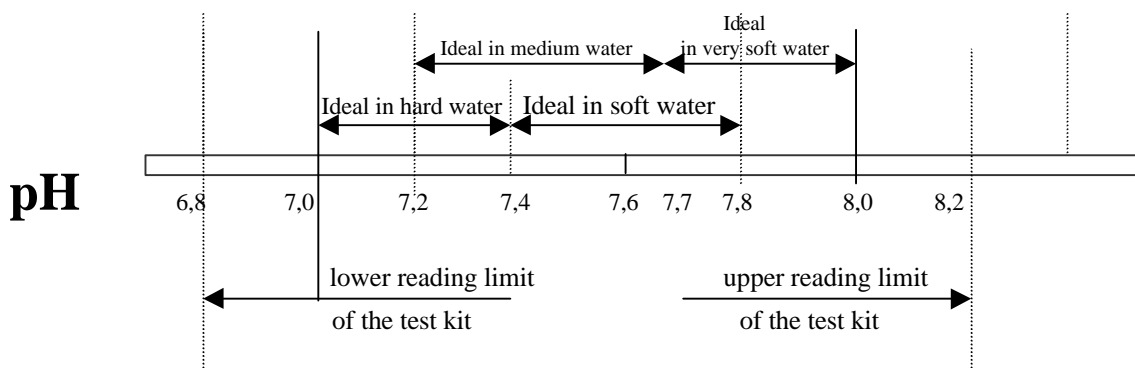
- In the second place, re-immerses the test strip shaking it for 30 seconds under the water, to check Biguanide level (pools treated with **REVACIL**).
- *For an optimum quality pool, it is recommended to analyse your pool water at least twice a week.*

1- Measuring pH and Alkalinity (TAC)

Immerse test strip in the pool for 2 seconds.

Take test strip off and wait for 30 seconds, in order to colour the analysis reagents paying attention to maintain it horizontally and not to shake it.

Compare the colour of pH indicator (Reagent 3 of the test strip) with the colour scale printed on the tube.



Compare the colour of TAC indicator (reagent 2 of the test strip) with the colour scale printed on the tube.

TAC ideal value must be at least 5°F

2- Measuring (REVACIL) level

Re-immerses the same test strip shaking it under the water for 30 seconds (imperatively).

Compare the colour of the biguanide indicator (reagent 1 of the test strip) to the colour scale printed on the tube.

Biguanide (**REVACIL**) level is correct when it is between 30 and 50 mg/l.

- *Biguanide (REVACIL) level may be:*
 - *Altered if the test strip has not been immersed for 30 seconds effectively.*
 - *Under estimated if there are metals in the water.*
- *After each analysis, close the original tube containing the test strips and the dissecant bag and store it in a cool dry place.*