



Pool Care & Water Testing Guide



Compliments of:

Lonza



Table of Contents

Introduction	2
Converting Your Pool to a BAQUACIL® CDX™ System Pool	3–6
Pool Opening	7
Water Balance	8–9
Weekly Routine Pool Care	10–11
General Pool Care	12
Filter Cleaning	13
Winterizing Your Pool	14
Pool Solution Center	15–17
Safety	18
BAQUACIL Test Strips	19–20
Converting Your Pool to a BAQUACIL® AD™ Pool	21–22
BAQUACIL AD Pool Opening	23
BAQUACIL AD Weekly Routine Pool Care	24
Winterizing Your BAQUACIL AD	25

BAQUACIL® CDX™ Pool Care System

COME ON IN...

The benefits of the BAQUACIL Pool Care system are many. First, the chlorine-free formulation is gentle and non-irritating to eyes and skin, it's gentle on swimsuits and pool liners. The BAQUACIL system keeps water clear, silky and soft, and most of all, it's easy to use.

Now with the new **enhanced BAQUACIL CDX System**, you have even greater assurance of crystal clear water throughout the season. Research and development has shown the best way to maintain clear water throughout the swimming season is to maintain a BAQUACIL Oxidizer residual. The BAQUACIL CDX System does just that. And, like the standard BAQUACIL System, it's hassle-free, chlorine-free and easy to use.

While the new CDX System will not take the place of regular pool and filter maintenance, it does provide the best system for pools treated with BAQUACIL – especially those with water mold challenges.

If you currently use the standard BAQUACIL Pool Care System or if you've used BAQUACIL in the past, we think you are going to love the new BAQUACIL CDX System.

EASY AS 1•2•3

3 part system

System Overview

The BAQUACIL CDX System is a simple, **weekly, three-step, three-product, chlorine free system.** Maintaining an oxidizer residual is key to keeping water clear all summer long. The weekly addition of BAQUACIL CDX product is designed to prevent rapid consumption of the oxidizer.

1. BAQUACIL Sanitizer and Algistat

- Keep levels between 40 and 50 ppm.
- When the level is 40 ppm or less, add BAQUACIL Sanitizer and Algistat to bring the level up to 50 ppm. Never let the level fall below 40 ppm. Heavy rain may dilute the sanitizer and allow bacteria to grow.

2. BAQUACIL Oxidizer

- Add weekly.
- If the Oxidizer level is 0ppm for two consecutive weeks consult your authorized pool dealer. This may be indicating the need to chemically clean the filter.

3. BAQUACIL CDX Product

- Add weekly to the skimmer with the pump running.
- Always add the BAQUACIL CDX **IMMEDIATELY AFTER** the addition of the Oxidizer.

New BAQUACIL™ Test strips have been developed which include an Oxidizer test pad. This will enable you to identify whether there is a BAQUACIL Oxidizer residual present in the water and it also acts as an early warning that there may be water mold present in the pool filter and/or plumbing before the water becomes cloudy.

Algae Prevention

With the new BAQUACIL CDX System, no regular use of algacide is called for, but in areas where algae problems are prevalent we recommend you introduce an algae preventative program using either BAQUACIL Algicide or BAQUACIL Performance Algicide. Be sure to follow the label instructions for dosing recommendations.

Converting Your New or Freshly Filled Pool

STARTING A NEW OR FRESHLY FILLED POOL ON THE BAQUACIL® CDX™ SYSTEM

1. Fill your pool with water. If this is a brand new pool, proceed to step 2. If this is an existing pool, perform any necessary filter maintenance:
 - a. D.E. & Cartridge Filters - Chemically clean the D.E. grids or cartridge with BAQUACIL™ Universal Filter Cleaner or replace the cartridge.
 - b. Sand Filters - Chemically clean the sand with BAQUACIL Universal Filter Cleaner or replace the sand.
2. Get your pump and filter started, then brush and vacuum your pool. Let your filter run for 24 hours, to catch all the debris.
3. Calculate the volume of your pool so you can determine the right amount of chemicals. Your Authorized BAQUACIL Dealer will be able to calculate the volume for you if you measure the length, width, and depth of your pool.
4. Take a pool water sample to your Authorized BAQUACIL Dealer for complete analysis. (See page 8 for water testing tips).

If your dealer finds that your pool water contains metals, add BAQUACIL™ Metal Control as follows: For every 2 ppm of metals present and for every 10,000 gallons of water, use 1 bottle (1 1/4 pounds). Allow the water to circulate for 8-12 continuous hours.

All plaster pools must be treated with BAQUACIL Metal Control at a rate of 1 bottle per 10,000 gallons of water, regardless of metal analysis results.

5. Add BAQUACIL Sanitizer and Algistat to the pool to achieve a 50 ppm level. See chart below for dosing instructions.
6. Add the start-up dose of BAQUACIL Oxidizer. (See the Start-Up Dosage chart below).
7. Add the start-up dose of BAQUACIL CDX product. (See the Start-Up Dosage chart below).
8. Begin weekly routine pool care. See page 10 for further details.

IMPORTANT: Always add the BAQUACIL CDX immediately after the addition of the BAQUACIL Oxidizer.

START-UP DOSAGES

Gallons	BAQUACIL SANITIZER AND ALGISTAT	BAQUACIL OXIDIZER	BAQUACIL CDX
5,000	2 pints	½ gal	1 pints
10,000	4 pints	1 gal	1 pints
15,000	6 pints	1½ gal	2 pints
20,000	8 pints	2 gal	2 pints
25,000	10 pints	2½ gal	3 pints
30,000	12 pints	3 gal	3 pints
35,000	14 pints	3½ gal	4 pints
40,000	16 pints	4 gal	4 pints
50,000	20 pints	5 gal	5 pints

Converting Your Chlorine or Bromine Pool

CONVERTING YOUR POOL FROM CHLORINE OR BROMINE TO THE BAQUACIL® CDX™ SYSTEM

1. After your pool water has been properly balanced, remove the source of chlorine or bromine (pill, stick, tablets, etc.) and make no further additions of these products.
2. Neutralize the chlorine or bromine.
 - a. Add 1 gallon, of BAQUACIL Oxidizer for every 10,000 gallons of pool water. Allow the water to circulate for 8-12 continuous hours. Verify that the free chlorine level is 0, by using a “DPD”-type testing kit with a DPD #1 tablet.

Note: Sodium Thiosulfate based chlorine neutralizer products can also be used to neutralize chlorine prior to conversion to the BAQUACIL System. The dosage is 5 oz. per 10,000 gallons for 2 ppm of free chlorine in pool water.

b. If the water is cloudy (algae or haze), the pool should be treated with BAQUACIL Oxidizer regardless of any sodium thiosulfate chlorine neutralizer addition to help clear up the pool faster.

3. Take a pool water sample to your Authorized BAQUACIL Dealer for complete analysis. (See page 8 for water testing tips). If your dealer finds that your pool water contains metals, add BAQUACIL™ Metal Control as follows: For every 2 ppm of metals present and for every 10,000 gallons of water, use 1 bottle (1 1/4 pounds). Allow the water to circulate for 8-12 continuous hours.
4. Add BAQUACIL Sanitizer and Algistat to the pool to achieve a 50 ppm level. See chart below for dosing instructions.
5. Add the start-up dose of BAQUACIL Oxidizer. (See the Start-Up Dosage chart below).
6. Add the start-up dose of BAQUACIL CDX. (See the Start-Up Dosage chart below).
7. Begin weekly routine pool care.
See page 10 for further details.

Note: All plaster pools must be treated with BAQUACIL Metal Control at a rate of 1 bottle per 10,000 gallons of water, regardless of metal analysis results.

Start-Up DOSAGES

Gallons	SODIUM THIOSULFATE BASED CHLORINE NEUTRALIZER	BAQUACIL SANITIZER AND ALGISTAT	BAQUACIL OXIDIZER	BAQUACIL CDX
5,000	2½ oz	2 pints	½ gal	1 pints
10,000	5 oz	4 pints	1 gal	1 pints
15,000	7½ oz	6 pints	1½ gal	2 pints
20,000	10 oz	8 pints	2 gal	2 pints
25,000	12½ oz	10 pints	2½ gal	3 pints
30,000	15 oz	12 pints	3 gal	3 pints
35,000	17½ oz	14 pints	3½ gal	4 pints
40,000	20 oz	16 pints	4 gal	4 pints
50,000	25 oz	20 pints	5 gal	5 pints

NOTE: Always read and follow product labels carefully.

Converting Your Standard BAQUACIL® Pool

CONVERTING YOUR POOL FROM A STANDARD BAQUACIL SYSTEM TO THE BAQUACIL® CDX™ SYSTEM

1. Perform any necessary filter maintenance:
 - a. Cartridge Filters - Chemically clean the cartridge with BAQUACIL™ Universal Filter Cleaner or replace the cartridge.
 - b. D.E. Filters - Chemically clean the filter elements with BAQUACIL Universal Filter Cleaner.
 - c. Sand Filters - Replace the sand in the filter.
 2. Take a pool water sample to your Authorized BAQUACIL Dealer for complete analysis. (See page 8 for water testing tips.) If your dealer finds that your pool water contains metals, add BAQUACIL™ Metal Control as follows: For every 2 ppm of metals present and for every 10,000 gallons of water, use 1 bottle (1 1/4 pounds). Allow the water to circulate for 8-12 continuous hours.
 3. Add BAQUACIL Sanitizer and Algistat to the pool to achieve a 50 ppm level. See chart below for dosing instructions.
 4. Add the start-up dose of BAQUACIL Oxidizer. (See the Start-Up Dosage chart below).
 5. Add the Start-up dose of BAQUACIL CDX product. (See the Start-Up Dosage chart below).
 6. Begin weekly routine pool care. See page 10 for further details.
- NOTE:**
- a. Always read and follow product labels carefully.
 - b. Always add BAQUACIL CDX product immediately after the addition of BAQUACIL Oxidizer.
- Note: All plaster pools must be treated with BAQUACIL Metal Control at a rate of 1 bottle per 10,000 gallons of water, regardless of metal analysis results.**

START-UP DOSAGES*

Gallons	BAQUACIL OXIDIZER	BAQUACIL CDX
5,000	½ gal	1 pints
10,000	1 gal	1 pints
15,000	1½ gal	2 pints
20,000	2 gal	2 pints
25,000	2½ gal	3 pints
30,000	3 gal	3 pints
35,000	3½ gal	4 pints
40,000	4 gal	4 pints
50,000	5 gal	5 pints

*Refer to page 10 for Top-Up dosage rates for BAQUACIL Sanitizer and Algistat

Converting Your Plaster Finished Pool

WHEN STARTING A PLASTER POOL ON THE BAQUACIL® CDX™ SYSTEM

It is important to eliminate potentially damaging trace metals from the pool water.

Use BAQUACIL™ Metal Control after the chlorine is neutralized and before you add BAQUACIL Sanitizer and Algistat to the pool.

All plaster pools must be treated with BAQUACIL Metal Control regardless of metal analysis results. Plaster pools are particularly susceptible to scale buildup and metal staining on the surface as a result of continued exposure to improperly balanced water. The scale may appear as rough patches on the plaster surface and may vary in color.

If you see existing metal stain discoloration, do not convert to the BAQUACIL CDX System unless the pool surface is properly treated (acid washing, sandblasting, etc.) to remove the accumulated deposits.

For instructions on how to add the BAQUACIL CDX System products, follow points 4, 5, 6 and 7 on page 4. Also, refer to the dosage chart on page 4.

For further assistance, see your Authorized BAQUACIL Dealer.

IMPORTANT: Since trace metals are commonly found in water sources, add BAQUACIL Metal Control at the rate of 1 bottle (1 1/4 pounds) for every 10,000 gallons whenever significant amounts of makeup water are added to the pool.

IMPORTANT: BAQUACIL Sanitizer and Algistat is a unique swimming pool sanitizer which may not be compatible with some of the chemicals you have been using. See the “Other Chemicals” section (page 18). Consult your Authorized BAQUACIL Dealer before adding supplemental chemicals. **DO NOT USE BAQUACIL Sanitizer and Algistat in unpainted/unsurfaced plaster pools with pre-existing metal stains without taking proper remedial actions first. (See WHEN STARTING A PLASTER POOL ON THE BAQUACIL CDX SYSTEM).**

Do not use BAQUACIL Sanitizer and Algistat in freestanding spas or hot tubs.

NOTE: After the addition of BAQUACIL Sanitizer and Algistat, the water may become hazy. This haze should clear within 24-48 hours with continuous filtration.

Pool Opening

If your pool has already been converted to the BAQUACIL® CDX™ System, it's easy to open it for the season. Just follow these simple steps:

1. If you use a solid pool cover, first drain off any standing water so that it doesn't spill back into the pool. Carefully remove the cover, sweep it and lay it out to dry. Once it is thoroughly dry, fold and store the cover in a clean, dry place, out of direct sunlight. Inspect the entire pool carefully for damage that may have taken place during the off-season - especially leaks and tears in the vinyl liner or breaks and cracks in the plaster or tiles. After inspection, add water until the level reaches about halfway up the skimmer opening. Remove any debris with a leaf net.
2. Make sure your pump, skimmer and filter are working properly. If the filter was not cleaned at the end of last season, clean it using BAQUACIL™ Universal Filter Cleaner to remove hardened deposits which can hamper filter performance. Brush and vacuum the pool thoroughly.

3. After running the pump for at least five hours, take a water sample in a clean plastic container to your Authorized BAQUACIL CDX System Dealer for a comprehensive water analysis. Your dealer will provide easy instructions to make any necessary adjustments to your pool's water balance.

NOTE: For unpainted plaster pools, add a full dose of BAQUACIL™ Metal Control. Circulate for 8 hours.

4. Add BAQUACIL CDX System products to your pool. See below.
 - Top-up BAQUACIL Sanitizer and Algistat to 50 ppm. (See page 10 for Top-Up Dosage Chart).
 - Add a start-up dose of BAQUACIL Oxidizer (See Start-Up Dosage Chart below).
 - Add a start-up dose of BAQUACIL CDX (See Start-Up Dosage Chart below).

START-UP DOSAGES*

Gallons	BAQUACIL OXIDIZER	BAQUACIL CDX
5,000	½ gal	1 pints
10,000	1 gal	1 pints
15,000	1½ gal	2 pints
20,000	2 gal	2 pints
25,000	2½ gal	3 pints
30,000	3 gal	3 pints
35,000	3½ gal	4 pints
40,000	4 gal	4 pints
50,000	5 gal	5 pints

*Refer to page 10 for Top-Up dosage rates for BAQUACIL Sanitizer and Algistat

Water Balance

KEEPING YOUR POOL WATER BALANCED

Maintaining your pool water in the proper balance pays big rewards. First, water that has its key chemical factors in the appropriate balance range makes for very comfortable swimming. Second, balanced water makes pools easier to maintain. Properly balanced swimming pool water meets the following criteria:

- pH: 7.2–7.8.
- Metals: none.
- Total Alkalinity: 80–150 ppm.
- Calcium Hardness:
 - 180–250 ppm (vinyl pools).
 - 200–275 ppm (plaster pools).
- Total Dissolved Solids: less than 2,000 ppm.

Your Authorized BAQUACIL® Dealer carries the full range of BAQUACIL Pool Care System Balance Chemicals, specially designed to make water balance adjustments quick and easy.

As with all pool chemicals, follow the instructions and precautions on the labels of all BAQUACIL Pool Care System Balance Chemicals products.

Use your BAQUACIL™ Test Strips to check your water's pH and alkalinity once a week, or after any major change (such as when you add a large amount of new water, or after a long, heavy rain).

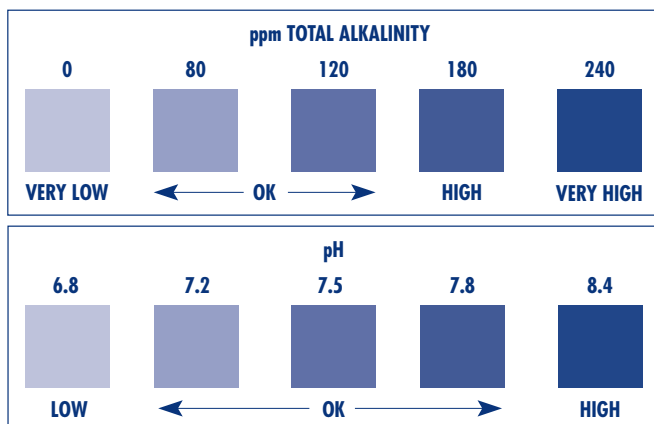
TOTAL ALKALINITY CONTROL

The amount of alkalinity in your water can affect swimmers' comfort. High alkalinity will push the pH reading upward, while low alkalinity can promote pool corrosion and cause "pH bounce," which is a large change in the pH reading after you add adjustment chemicals. The ideal total alkalinity range is 80–150 ppm. Always test and adjust the total alkalinity level before adjusting the pH.

pH CONTROL

pH is a measure of the acidity or basicity of the water and is measured on a scale ranging from 0–14. Swimming pool water should have just a little basicity with a pH reading between 7.2 and 7.8.

If pool water is too basic, scale can develop — particularly in hard water areas. If it is too acidic, the water can become corrosive.



Water Balance

CALCIUM HARDNESS CONTROL

Calcium hardness also affects the balance of your pool water. Low calcium hardness will promote corrosion. High calcium hardness can cause cloudiness and scaling. The ideal calcium hardness content is 200–275 ppm for plaster pools, and 180–250 ppm for all other types.

Take a water sample to your Authorized BAQUACIL® Dealer if you have a calcium hardness problem.

METALS

It is not uncommon to find metals, often called free metals, dissolved in pool water. Usually they come from source water — sometimes they are a result of the erosion of metal pool fixtures, such as heater cores.

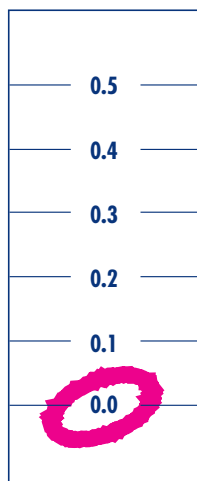
Free metals in pool water can cause staining of pool surfaces and inhibit the performance of water sanitizers. Ideally, there should be no metals in the water: 0 ppm.

Your Authorized BAQUACIL Dealer can determine the presence of free metals in your water. If metals are detected, BAQUACIL™ Metal Control can be used to “sequester” them, rendering them harmless.



**CALCIUM
HARDNESS:
VINYL
POOLS**

**CALCIUM
HARDNESS:
PLASTER
POOLS**



METALS (ppm)

Ideal 

Weekly Maintenance

The BAQUACIL® CDX™ System includes three key components that work together to save you time and maintenance: BAQUACIL Sanitizer and Algistat, BAQUACIL Oxidizer, and BAQUACIL CDX. See the next page for easy to follow weekly use instructions.

Note: To maintain good water clarity, it is important that the BAQUACIL™ CDX product is added IMMEDIATELY following the Oxidizer. Always add the BAQUACIL CDX product to the skimmer with the pump running.

Important:

- On a weekly basis, it is recommended that you test and adjust your water balance readings to within the ideal ranges discussed on page 8.
- Be sure to use your BAQUACIL™ Test strips that now test for the presence of Oxidizer.
- Perform the housekeeping tasks discussed on page 14.
- When the water balance levels are within the recommended ranges, follow your BAQUACIL CDX System routine outlined on the next page.

TOP-UP DOSAGE RATES FOR BAQUACIL SANITIZER AND ALGISTAT

	If the level (ppm) is:								
Gallons	40	35	30	25	20	15	10	5	0
5,000	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{3}{4}$	2
7,500	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3
10,000	$\frac{3}{4}$	$1\frac{1}{4}$	$1\frac{3}{4}$	2	$2\frac{1}{2}$	$2\frac{3}{4}$	$3\frac{1}{4}$	$3\frac{3}{4}$	4
12,500	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5
15,000	$1\frac{1}{4}$	$1\frac{3}{4}$	$2\frac{1}{2}$	3	$3\frac{3}{4}$	$4\frac{1}{4}$	$4\frac{3}{4}$	$5\frac{1}{2}$	6
17,500	$1\frac{1}{2}$	$2\frac{1}{4}$	$2\frac{3}{4}$	$3\frac{1}{2}$	$4\frac{1}{4}$	5	$5\frac{3}{4}$	$6\frac{1}{4}$	7
20,000	$1\frac{3}{4}$	$2\frac{1}{2}$	$3\frac{1}{4}$	4	$4\frac{3}{4}$	$5\frac{1}{2}$	$6\frac{1}{2}$	$7\frac{1}{4}$	8
22,500	$1\frac{3}{4}$	$2\frac{3}{4}$	$3\frac{3}{4}$	$4\frac{1}{2}$	$5\frac{1}{2}$	$6\frac{1}{4}$	$7\frac{1}{4}$	$8\frac{1}{4}$	9
25,000	2	3	4	5	6	7	8	9	10
27,500	$2\frac{1}{4}$	$3\frac{1}{4}$	$4\frac{1}{2}$	$5\frac{1}{2}$	$6\frac{3}{4}$	$7\frac{3}{4}$	$8\frac{3}{4}$	10	11
30,000	$2\frac{1}{2}$	$3\frac{3}{4}$	$4\frac{3}{4}$	6	$7\frac{1}{4}$	$8\frac{1}{2}$	$9\frac{3}{4}$	$10\frac{3}{4}$	12
32,500	$2\frac{3}{4}$	4	$5\frac{1}{4}$	$6\frac{1}{2}$	$7\frac{3}{4}$	$9\frac{1}{4}$	$10\frac{1}{2}$	$11\frac{3}{4}$	13
35,000	$2\frac{3}{4}$	$4\frac{1}{4}$	$5\frac{3}{4}$	7	$8\frac{1}{2}$	$9\frac{3}{4}$	$11\frac{1}{4}$	$12\frac{3}{4}$	14
37,500	3	$4\frac{1}{2}$	6	$7\frac{1}{2}$	9	$10\frac{1}{2}$	12	$13\frac{1}{2}$	15
40,000	$3\frac{1}{4}$	$4\frac{3}{4}$	$6\frac{1}{2}$	8	$9\frac{3}{4}$	$11\frac{1}{4}$	$12\frac{3}{4}$	$14\frac{1}{2}$	16
42,500	$3\frac{1}{2}$	$5\frac{1}{4}$	$6\frac{3}{4}$	$8\frac{1}{2}$	$10\frac{1}{4}$	12	$13\frac{3}{4}$	$15\frac{1}{4}$	17
45,000	$3\frac{3}{4}$	$5\frac{1}{2}$	$7\frac{1}{4}$	9	$10\frac{3}{4}$	$12\frac{3}{4}$	$14\frac{1}{2}$	$16\frac{1}{4}$	18
47,500	$3\frac{3}{4}$	$5\frac{3}{4}$	$7\frac{3}{4}$	$9\frac{1}{2}$	$11\frac{1}{2}$	$13\frac{1}{4}$	$15\frac{1}{4}$	$17\frac{1}{4}$	19
50,000	4	6	8	10	12	14	16	18	20

All dosages are in pints.

Weekly Maintenance Program

EASY AS 1•2•3

3 part system

1. BAQUACIL® Sanitizer and Algistat

- Check weekly and top-up if necessary.
- Keep sanitizer levels between 40 and 50 ppm.
- Do not allow sanitizer level to drop below 40 ppm.
- Refer to top-up dosage chart on previous page.

2. BAQUACIL Oxidizer

- Add weekly.
- 1 quart per 10,000 gallons of pool water.
- Refer to dosage chart below.

3. BAQUACIL® CDX™ product

- Add weekly.
- 1 pint per 10,000 gallons of pool water.
- Refer to dosage chart below.

- Always add **BAQUACIL CDX product IMMEDIATELY AFTER** the addition of the Oxidizer.

- After addition of BAQUACIL™ CDX™, wait 15 minutes before swimming to ensure that the product is completely dispersed throughout the pool.

Algae Prevention:

In regions with high summer temperatures or pools with a history of algae problems, we recommend that you introduce an algae preventative program. Use BAQUACIL™ Algicide or BAQUACIL™ Performance Algicide. Follow the label directions for a preventative algae program.

WEEKLY MAINTENANCE DOSAGE RATES

Gallons	BAQUACIL OXIDIZER (quarts)	BAQUACIL CDX (pints)
5,000	1	$\frac{1}{2}$
7,500	1	$\frac{3}{4}$
10,000	1	1
12,500	2	$1\frac{1}{4}$
15,000	2	$1\frac{1}{2}$
17,500	2	$1\frac{3}{4}$
20,000	2	2
22,500	3	$2\frac{1}{4}$
25,000	3	$2\frac{1}{2}$
27,500	3	$2\frac{3}{4}$
30,000	3	3
32,500	4	$3\frac{1}{4}$
35,000	4	$3\frac{1}{2}$
37,500	4	$3\frac{3}{4}$
40,000	4	4
42,500	5	$4\frac{1}{4}$
45,000	5	$4\frac{1}{2}$
47,500	5	$4\frac{3}{4}$
50,000	5	5

General Pool Care

The BAQUACIL® CDX™ Pool Care System makes pool care easy. Even so, there are certain basic things you should do regularly to avoid potential problems with your pool. These include house-keeping (see below), checking water balance & sanitization (see page 8).

HOUSEKEEPING

- Vacuum and brush your pool weekly.
- Run the filter at least 8-12 continuous hours a day during the season, longer during periods of heavy use or after a heavy rain. Ideally you should run the filter 24 hours a day.
- Clean around the tile and water line – use BAQUACIL™ Surface Cleaner
- Keep the skimmer and pump baskets clear of leaves and debris – check at least weekly.
- Check the filter pressure. If high, backwash and rinse the filter – always be guided by your manufacturers recommendations.
- Chemically clean the filter at least twice during the season with BAQUACIL™ Universal Filter Cleaner. This is a key process in keeping your pool water clear throughout the season.
- For extended swimming season the filter should be cleaned 3 times a season.

Algae Prevention:

In regions with high summer temperatures or pools with a history of algae problems, we recommend that you introduce an algae preventative program. Use BAQUACIL™ Algicide or BAQUACIL™ Performance Algicide. Follow the label directions for a preventative algae program.

WATER TESTING BY YOUR AUTHORIZED BAQUACIL DEALER

There will be times when you take a water sample to your Authorized BAQUACIL Dealer for professional analysis, for example, after you add a significant amount of new water, or after a heavy rain. In fact, it's a good idea to take a sample to your Authorized BAQUACIL® Dealer about once a month during the season. Here are a few guidelines to help ensure a good water sample:

1. Fill your BAQUACIL™ Pool Care System sample water bottle to the top.
2. Take your sample about 18" below the surface, and away from the skimmer or filter returns.
3. Take the sample in a BAQUACIL™ Pool Care System Water Sample Bottle, or in a **clean plastic container**.
4. Take the sample to your Authorized BAQUACIL Dealer **as soon as you remove it from the pool**; don't let the water sit.

NOTE: Never take a pool water sample immediately after adding chemicals or after adding significant amounts of makeup water. Always allow the water to circulate for 8–12 hours before taking a sample.

IMPORTANT: When handling chemicals, always follow the label instructions. Remember, not all pool care products are compatible with BAQUACIL Sanitizer and Algistat. (See "Other Chemicals" on page 23). Consult your Authorized BAQUACIL Dealer before adding supplemental chemicals.

Filter Cleaning

HOW TO CHEMICALLY CLEAN YOUR FILTER

For best filter operation, it is important to clean your filter twice a season. As your filter circulates pool water, it collects all types of debris — organic matter, waste, scale, rust, grease and grime that, if left unchecked, will hinder filtration and lead to a cloudy, unattractive pool.

While backwashing or rinsing will remove larger particles, only chemical cleaning will remove the grease and grime that become embedded in the filter element (D.E. filters), stick to the cartridge (cartridge filters), or adhere to the sand (sand filters).

To ensure optimal filtration and good water quality, you should chemically clean your filter twice a season with BAQUACIL™ Universal Filter Cleaner. This cleaner will dissolve and remove collected debris from sand filters and free-up plugged D.E. filter grids and cartridge filter elements. Here's how to use them to chemically clean each filter type.

NOTE: For pools on BAQUACIL® AD™ Automated Dosing System — turn unit off before cleaning your filter.

DIRECTIONS FOR USE

To ensure good pool water quality and optimal filtration, clean your filter at least twice a swimming season with BAQUACIL UNIVERSAL FILTER CLEANER. Clean your filter in the spring if not done the previous year. This product is especially effective in cleaning filters on pools treated with BAQUACIL SWIMMING POOL SANITIZER AND ALGISTAT.

SAND FILTER

Backwash filter and then remove water from pump basket and pour in ½ gallon (1 bottle) of this product. Turn pump on and backwash into the filter. When water appears in the backwash sight glass or from air release valve, turn off pump. Let product soak in filter overnight. After soaking backwash filter thoroughly. Avoid getting this product into the pool.

NOTE: Before backwashing, distribute several pounds of BAQUACIL™ TOTAL ALKALINITY INCREASER on the ground in the backwash area to neutralize the pH. Place the multiport valve in the backwash position and backwash until water in the sight glass is clean. Resume normal operation.

CARTRIDGE FILTERS AND D.E. FILTERS

In a clean plastic container (a garbage can) pour ½ gallon (1 bottle) of BAQUACIL UNIVERSAL FILTER CLEANER in 5 gallons of water.

For D.E. filters, backwash thoroughly and then remove the D.E. grids. For cartridge filters, remove the cartridge(s) and rinse off any loose debris. Soak the D.E. grids/ cartridge(s) overnight in the BAQUACIL UNIVERSAL FILTER CLEANER solution. Be sure grids or cartridges are entirely immersed in the cleaning solution. After soaking remove and rinse thoroughly with water, then replace elements and resume normal operation.

NOTE: Neutralize the acid solution prior to disposal. Very slowly add BAQUACIL TOTAL ALKALINITY INCREASER to the solution until foaming subsides. This process should take a minimum of 15 minutes.

Winterizing Your Pool

If you live in an area where you have to close your pool for the winter, you need to close it properly to protect it. Always follow your pool manufacturer's instructions for winterization of your pool and equipment. To help protect the water, here are some simple steps you should follow:

HOUSEKEEPING

1. Check your water balance. Take a sample of your water to your Authorized BAQUACIL® Dealer, who will analyze it and recommend any adjustments that may be needed.
2. Perform all necessary housekeeping. Brush and vacuum your pool thoroughly. Clean all around the tile and/or waterline, as well as the skimmer box, using BAQUACIL™ Surface Cleaner.

CLOSE YOUR POOL

1. Sanitize and clarify the water. After making any adjustments your Authorized BAQUACIL Dealer might have recommended, just follow this simple process:
 - Top-up the BAQUACIL Sanitizer and Algistat level to 50 ppm.
 - Add a start-up dose of BAQUACIL Oxidizer.
 - Add a maintenance dose of BAQUACIL® CDX™ product.
 - Run the pool filter 8-12 continuous hours to make sure the chemicals have circulated thoroughly.
2. Backwash and chemically clean your filter with BAQUACIL™ Universal Filter Cleaner. Never store a dirty filter because deposits may harden during the winter, leaving you with a much harder job in the spring. These cleaners will remove organic and mineral deposits, leaving your filter ready for the next season.
3. Follow your pool manufacturer's recommendations for winterizing. Additionally, clean the skimmer basket and the pump's hair/lint strainer basket. Store the baskets in a safe place.

4. Cover your pool. Use a well-fitted, solid, undamaged cover designed specifically for your pool. This will keep leaves and other airborne debris out of the water.
5. Run the filter for 4-6 continuous hours a day if water is above the skimmer.

WARMER CLIMATE WINTER MAINTENANCE

In some areas, pool owners leave pools running year-round. As pool usage ends in the cooler weather, they will need to follow these instructions:

HOUSEKEEPING

Follow the same directions as under Housekeeping in previous column.

ENDING THE SEASON

- Sanitize and clarify the water as noted above.
- Backwash and clean your filter with BAQUACIL Universal Filter Cleaner as directed under Close Your Pool in previous column.

MAINTENANCE FOR NON-SWIMMING MONTHS

- Check the level of BAQUACIL Sanitizer and Algistat and the pH level every two weeks and top-up or adjust as necessary.
- Add a maintenance dose of BAQUACIL Oxidizer only as needed (after heavy rain or other extreme environmental factors).
- If Oxidizer is added – follow immediately with a maintenance dose of BAQUACIL CDX product.
- Run the filter system 4-6 continuous hours a day.
- Remove leaves and debris from the pool as necessary.
- Test water sample every two months.

Pool Solution Center

The BAQUACIL® CDX™ System was developed to give you a clear, sparkling pool all summer long. Even so, problems can occur on occasion, and the treatment required may not be the same as for a chlorine treated pool. If you have any questions, consult your Authorized BAQUACIL® Dealer.

1. ALGAE

BAQUACIL Sanitizer and Algistat, in addition to its effectiveness as a sanitizer, generally will give good algae control. However, should algae develop, follow these steps:

1. Brush pool walls and floor daily, and filter regularly during treatment, until your pool is free from visible algae.
2. Chemically clean your filter using BAQUACIL™ Universal Filter Cleaner.

NOTE: If the pool shows moderate to heavy algae growth, use BAQUACIL™ Flocculant as a broadcast flocculant to remove as much of the algae as possible before beginning chemical treatment. Follow label instructions for use as a broadcast flocculant.

3. Check the level of BAQUACIL Sanitizer and Algistat and top-up to 50 ppm if necessary.
4. Add 1 gallon of BAQUACIL Oxidizer per 10,000 gallons of pool water.
5. Add 1 bottle of BAQUACIL™ Premium Algicide per 10,000 gallons of pool water.
6. Run the pool filter continuously for 24 hours.
7. After 24 hours, vacuum your pool to remove the algae debris, and clean your filter, if necessary.

If these steps fail, contact your Authorized BAQUACIL Dealer regarding alternate treatments for persistent algae. Depending on the severity of the algae growth, it may be necessary to repeat these treatments.

If you live in an area where algae is common or you have recurring algae problems, it may be necessary to use a weekly maintenance algaecide, such as BAQUACIL™ Algicide or BAQUACIL Performance Algicide.

2. FOAM

Sometimes foam will be caused by a simple mechanical defect, such as a leak in the plumbing/filter pump. So it's a good idea to check for leaks first.

You should also check the calcium hardness level, to be sure your water is in balance.

If there are no leaks, and the calcium hardness level is acceptable, test your water for the BAQUACIL Sanitizer and Algistat. If it is too high (above 50 ppm), or if your water has an almond-like taste (which would indicate too much BAQUACIL Algicide), you'll need to reduce those levels. To do this, partially empty your pool, then refill it with fresh source water.

If the tests show your water is within all the proper ranges, you can use an antifoaming agent. Consult your Authorized BAQUACIL Dealer for details.

3. WATERLINE RING

Organic debris tends to accumulate around the waterline of all swimming pools. Due to the chemical nature of BAQUACIL Sanitizer and Algistat, you may have slightly heavier deposits, especially during the first few weeks after converting to the BAQUACIL CDX System. You can clean the ring easily by using BAQUACIL™ Surface Cleaner.

Pool Solution Center

4. CLOUDY WATER

One of the major causes of hazy pool water is lack of adequate filtration. If your filter is dirty or clogged, it can't operate at peak efficiency. And sometimes, backwashing alone won't get it really clean. In fact, backwashing a sand filter too often may actually reduce its effectiveness. That's why you should deep-clean your filter chemically twice during the swimming season with BAQUACIL™ Universal Filter Cleaner.

If you can still see the bottom of your pool, follow these steps:

1. Check for an Oxidizer level using BAQUACIL™ Test Strips.
 - a. If there is Oxidizer present, check your water balance, filter operation and use BAQUACIL™ Flocculant as a filter aid to restore clarity to the pool.
 - b. If there is no Oxidizer present, proceed to the next step.
2. Add BAQUACIL Flocculant to the skimmer as a filter aid, following the label instructions.
3. Add 1 gallon of BAQUACIL Oxidizer per 10,000 gallons of pool water directly in front of the skimmer. Proceed immediately to next step.
4. Add 2 pints of BAQUACIL® CDX™ product per 10,000 gallons of pool water directly into the skimmer.
5. Check the Sanitizer level using BAQUACIL Test Strips and top-up to 50 ppm if necessary.
6. Chemically clean the filter using BAQUACIL Universal Filter Cleaner.

If you cannot see the bottom of your pool, follow these steps:

1. Check for an Oxidizer level using BAQUACIL Test Strips.
 - a. If there is Oxidizer present, check your water balance, filter operation and use BAQUACIL Flocculant as a filter aid to restore clarity to the pool.
 - b. If there is no Oxidizer present, proceed to Step 2.
2. Use BAQUACIL Flocculant as a broadcast flocculant, following the label instructions.
3. While waiting for the flocculant to settle, chemically clean the filter using BAQUACIL® Universal Filter Cleaner.
4. Once you have vacuumed any settled flocculant and debris to waste and gotten the filter running again, add 1 gallon of BAQUACIL Oxidizer per 10,000 gallons of pool water directly the pool. Proceed immediately to next step.
5. Add 2 pints of BAQUACIL® CDX™ per 10,000 gallons of pool water directly in front of the skimmer.
6. Check the Sanitizer level using BAQUACIL Test Strips and top-up to 50 ppm if necessary.

Pool Solution Center

5. PREVENTING CLOUDY WATER

1. Run your filter 8-12 continuous hours a day.
2. Use BAQUACIL™ Universal Filter Cleaner twice during the season to keep your filter operating properly.
3. Have your Authorized BAQUACIL Dealer analyze your water once a month.
4. Always perform routine housekeeping.

6. WATER MOLD/SLIME

If your pool is experiencing water clarity problems due to water mold or slime, follow the steps listed above for treating cloudy water.

7. HIGH MOLD/SLIME

If your pool's Oxidizer level is 0 the first week add a start-up dose of BAQUACIL Oxidizer and top-up the BAQUACIL Sanitizer to 50 ppm if necessary. If your pool's Oxidizer level is 0 ppm for two weeks in a row, it may be a sign that your filter needs to be chemically cleaned or the media needs to be replaced. If you have a sand filter and the sand is over two years old, replace the sand. If the sand is relatively new, chemically clean the filter using BAQUACIL Universal Cleaner. If you have a D.E. or cartridge filter, chemically clean the filter using BAQUACIL Universal Filter Cleaner.

8. EYE IRRITATION

BAQUACIL Sanitizer and Algistat is much less likely to cause irritation than chlorinating chemicals. Eye or skin irritation can vary from individual to individual. If you get complaints from several swimmers, you should check the BAQUACIL Sanitizer and Algistat level and have your Authorized BAQUACIL Dealer do a complete water analysis. If the water is in balance, but the BAQUACIL Sanitizer and Algistat level exceeds 50ppm, you should reduce that level.

To do this, partially empty your pool, then refill it with fresh source water. As always, consult your Authorized BAQUACIL Dealer.

9. TASTE

Too much BAQUACIL Sanitizer and Algistat will make swimming pool water taste dry and bitter. Too much BAQUACIL Algicide will give an almond-like taste and smell. If either of these tastes should occur, you'll have to reduce the chemical's level.

To do this, partially empty your pool; then refill it with fresh source water. Again, remember to consult your Authorized BAQUACIL Dealer for details.

Safety

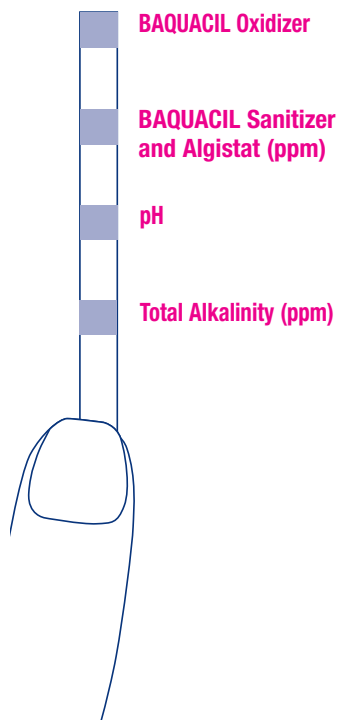
Chemicals are necessary to control bacteria and algae to maximize the life of your pool and its equipment. However, in concentrated form, chemicals can be hazardous. Always handle and use them with care. Refer to the product's label for safety and handling information.

The Pool & Spa Products Business of Arch Chemicals, Inc. wholeheartedly endorses the safety guidelines of the Association of Pool & Spa Professionals (APSP). Here are a few good suggestions to follow:

- Keep all containers of chemicals in an upright position. (**NOTE:** BAQUACIL® Oxidizer is a strong oxidizer. The BAQUACIL Oxidizer container has vented cap. Storing BAQUACIL Oxidizer on its side or upside down may result in leakage or rupture. This could start a fire if it touches combustible materials. Always triple-rinse the BAQUACIL Oxidizer container in regular pool water before you dispose of it).
- In case of spill or accidental contact, follow the label directions.
- Do not overdose products. Follow all label directions carefully.
- Keep all chemicals out of reach of children.
- Store chemicals in a cool, well-ventilated area away from combustible materials. Do not store chemicals in a motor vehicle.
- Never mix chemicals together. Always add each by itself. Always add chemicals to water; never add water to chemicals.
- Keep containers closed when not in use, and use each cap only with its own container.
- Avoid contact with skin or eyes. Wear safety goggles and rubber gloves when handling chemicals.
- Add only the amount of chemicals specified.
- When adding chemicals, always read label for specific instructions. Many chemicals are added by spreading them around the water's edge or around pool inlet while the filter is running.
- In case of contact or accidental swallowing, follow the emergency advice on the label, and contact your doctor or poison control center.
- Do not intentionally drink large amounts of chemically treated pool water.
- Keep chemicals off your grass, shrubs and other growing things.
- Do not backwash chemically treated pool water into your vegetable gardens.
- Dispose of excess product and empty containers per label instructions. Do not pour any dispensed product back into the container. Do not reuse an empty container.

FOR EMERGENCY MEDICAL INFORMATION, call the poison control center nearest you, or dial **1-800-654-6911**.

BAQUACIL™ Test Strips



FOUR TESTS IN ONE

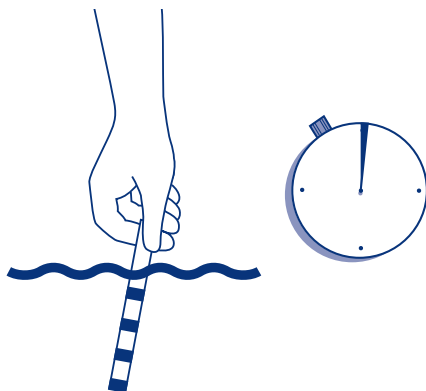
Now checks for Oxidizer

BAQUACIL Test Strips are a quick and easy way to check the BAQUACIL Sanitizer and Algistat, pH, Total Alkalinity and now Oxidizer levels in your pool water. The four pads on every test strip each check a different condition of the water.

TIPS FOR BEST RESULTS

- Always dry your hands before removing test strips from the bottle.
- Replace and tighten the lid immediately after removing a strip to help keep the rest fresh.
- Store the strips in a cool, dry place.
- Leave the packet of drying agent in the bottle.

How to Use BAQUACIL™ CDX™ Test Strips

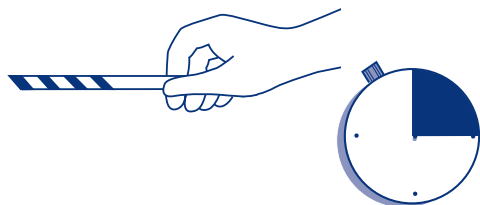


STEP 1

Dip a strip for one second and remove.

IMPORTANT: Do not “swish” or move the strip back and forth, as this will affect the accuracy of the test.

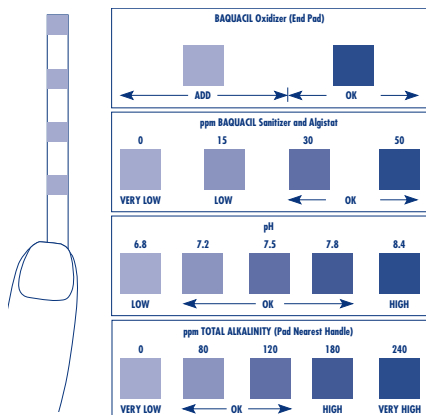
VERY IMPORTANT: Hands should not enter water at all.



STEP 2

Hold the strip level, pad side up, for 15 seconds.

Do not shake excess water from the test strip.



STEP 3

Compare the strip colors to the corresponding color blocks on the BAQUACIL™ Test Strip bottle. Record the results of your test in the Pool Maintenance Log in the inside of this guide.

IMPORTANT: If the levels indicated on your strip need adjustment, refer to the Water Balance section in this guide.

Converting Your Pool to a BAQUACIL™ AD™ Automated Dosing System Pool

FOR EXISTING BAQUACIL POOLS

1. Take a pool water sample to your Authorized BAQUACIL Dealer for complete analysis. If your dealer finds that your pool water contains metals, add BAQUACIL Metal Control as follows: For every 2 ppm of metals present, use 1 bottle (1 1/4 lbs.) for every 10,000 gallons of water. Allow the water to circulate for 24–48 continuous hours.
2. Prepare pre-installation assembly package components, and mount unit to wall.
3. Install and program the BAQUACIL AD Automated Dosing System dispenser unit. **See Owner's Manual for complete instructions.**
4. Adjust BAQUACIL AD Sanitizer and Algistat level according to either Initial Dose or Top-Up Dose (Initial Dose=50 ppm; Top-Up Dose=25 ppm). You can dispense more than one top-up dose by pressing the Top-Up Dose Button more than once.* (See Top-Up Dosage Chart on page 14).
5. If top-up Dose of BAQUACIL AD Sanitizer and Algistat is added, add top-up dose of BAQUACIL AD Oxidizer and BAQUACIL AD Algicide 20.

*If an initial dose of 50 ppm is added, the dispenser will automatically top-up BAQUACIL AD Oxidizer and BAQUACIL AD Algicide 20.

FOR FRESHLY FILLED POOLS

1. Take a pool water sample to your Authorized BAQUACIL Dealer for complete analysis. If your dealer finds that your pool water contains metals, add BAQUACIL Metal Control as follows: For every 2 ppm of metals present, use 1 bottle (1 1/4 lbs.) for every 10,000 gallons of water. Allow the water to circulate for 24–48 continuous hours.
2. Prepare pre-installation assembly package components, and mount unit to wall.
3. Install and program the BAQUACIL AD Automated Dosing System dispenser unit. See Owner's Manual for complete instructions.
4. Add initial dosages of BAQUACIL AD Sanitizer and Algistat, BAQUACIL AD Oxidizer and BAQUACIL AD Algicide 20.

To add Initial Dosages of BAQUACIL AD Automated Dosing System Core Products:

- a. Press MODE button and hold for 5 seconds. The RUN light will flash.
- b. Press DOWN arrow to scroll to Initial Dose. "Init" will appear on the screen.
- c. Press MODE button and hold for 5 seconds. This will activate the BAQUACIL AD Sanitizer and Algistat pump first, and then the BAQUACIL AD Oxidizer and BAQUACIL AD Algicide 20 pumps.

NOTE: If you wish to interrupt initial dosing, turn power on unit off or press MODE button.

If correct pool volume is programmed, appropriate amounts of each product will be added to achieve the desired levels.

FOR POOLS USING A CHLORINATING SANITIZER

1. After your pool water has been properly balanced, remove the source of chlorine or bromine (pill, stick, tablets, etc.) and make no further additions of these products.
2. Neutralize the chlorine or bromine.
 - a. Add 1 gallon of BAQUACIL Oxidizer for every 10,000 gallons of pool water. Allow the water to circulate for 8–12 continuous hours. Verify that the free chlorine level is 0 by using a "DPD"-type testing kit with a #1 tablet.

Note: Sodium Thiosulfate based chlorine neutralizer products can also be used to neutralize chlorine prior to conversion to the BAQUACIL System. The dosage is 5 oz. per 10,000 gallons for 2 ppm of free chlorine in pool water.

OR

- b. If the water is cloudy (algae or haze), the pool water should be treated with BAQUACIL Oxidizer, regardless of any sodium thiosulfate chlorine neutralizer addition to help clear up the pool faster.

Converting Your Pool to a BAQUACIL™ AD™ Automated Dosing System Pool

- 3. Take a pool water sample to your Authorized BAQUACIL® Dealer for complete analysis. If your dealer finds that your pool water contains metals, add BAQUACIL™ Metal Control as follows: For every 2 ppm of metals present, use 1 bottle (1 1/4 lbs.) for every 10,000 gallons of water. Allow the water to circulate for 24–48 continuous hours.
- 4. Install and program the BAQUACIL AD dispenser unit. *See Owner's Manual for complete instructions.*
- 5. Add initial dosages of BAQUACIL AD Sanitizer and Algistat, BAQUACIL AD Oxidizer and BAQUACIL AD Algicide 20.

To add Initial Dosages of BAQUACIL AD Automated Dosing System Core Products:

- a. Press MODE button and hold for 5 seconds. The RUN light will flash.
- b. Press DOWN arrow to scroll to Initial Dose. “Init” will appear on the screen.
- c. Press MODE button and hold for 5 seconds. This will activate the BAQUACIL AD Sanitizer and Algistat pump first, and then the BAQUACIL AD Oxidizer and BAQUACIL AD Algicide 20 pumps.

NOTE: If you wish to interrupt initial dosing, turn power on unit off or press MODE button.

If correct pool volume is programmed, appropriate amounts of each product will be added to achieve the levels below.

NOTE: When multiple oxidizer doses are needed, wear safety gloves and glasses to carefully remove the supply tubing from the BAQUACIL Algicide 20 product before initiating automatic oxidizer dose. Wipe off excess algicide on tube and place tube in a bucket.

FOR PLASTER POOLS ONLY

It is important to eliminate potentially damaging trace metals from the pool water. Use BAQUACIL Metal Control after the chlorine is neutralized and before you add BAQUACIL AD Sanitizer and Algistat to the pool. All plaster pools must be treated with BAQUACIL Metal Control regardless of metal analysis results. Plaster pools are particularly susceptible to scale buildup and metal staining on the surface as a result of continued exposure to improperly balanced water. The scale may appear as rough patches on the plaster surface and may vary in color. If you see existing metal stain discoloration, do not convert to BAQUACIL AD Automated Dosing System unless the pool surface is properly treated (acid washing, sandblasting, etc.) to remove the accumulated deposits. For further assistance, see your Authorized BAQUACIL Dealer.

IMPORTANT: BAQUACIL AD Sanitizer and Algistat is a unique swimming pool sanitizer which may not be compatible with some of the chemicals you have been using. (See “Other Chemicals” on page 23 of this guide). Consult your Authorized BAQUACIL Dealer before adding supplemental chemicals. DO NOT USE BAQUACIL AD Sanitizer and Algistat in unpainted/unsurfaced plaster pools with pre-existing metal stains without taking proper remedial actions first.

Do not use BAQUACIL AD Sanitizer and Algistat in freestanding spas or hot tubs.

NOTE: After the addition of BAQUACIL AD Sanitizer and Algistat, the water may become hazy. This haze should clear within 24–48 hours with continuous filtration.

Top-Up Dosages for BAQUACIL AD Sanitizer and Algistat

IF LEVEL IS

0–14	Add 2 Top-Ups
15–30	Add 1 Top-Up
>30	No Top-Up Necessary

(TOP-UP DOSAGE IS 25.0 PPM.)

BAQUACIL™ AD™ Automated Dosing System

Pool Opening

If your pool has already been converted to BAQUACIL AD Automated Dosing System, it's easy to open it for the season. Just follow these simple steps.

1. If you use a solid pool cover, first drain off any standing water so that it doesn't spill back into the pool. Carefully remove the cover, sweep it and lay it out to dry. Once it is thoroughly dry, fold and store the cover in a clean, dry place, out of direct sunlight. Inspect the entire pool carefully for damage that may have taken place during the off-season — especially leaks and tears in the vinyl liner or breaks and cracks in the plaster or tiles. After inspection, add water until the level reaches about halfway up the skimmer opening. Remove any debris with a leaf net. Run filter for 24 hours to catch all debris.
2. Make sure your pump, skimmer and filter are working properly. If filter was not cleaned at the end of last season, clean it using BAQUACIL™ Universal Filter Cleaner to remove hardened deposits which can hamper filter performance. Run the pump while you vacuum. Brush the pool thoroughly.
3. Re-install the BAQUACIL AD Automated Dosing System unit. Be sure to test for leaks. Check TIME OF DAY, TIME OF DOSE* and POOL VOLUME settings and adjust if necessary.

See Owner's Manual for Installation and Programming Procedures.

4. Take a pool water sample to your Authorized BAQUACIL Dealer for complete analysis.
 - Make necessary adjustments to pool's water balance.

5. Adjust BAQUACIL AD Sanitizer and Algistat level with either an Initial Dose or Top-Up Dose (Initial Dose=50 ppm; Top-Up Dose=25 ppm). You can dispense more than one top-up dose by pressing the Top-Up Dose Button more than once.**

6. Add oxidizer dose of BAQUACIL AD Oxidizer.***

* If the AD unit continues to operate when the pool's circulation pump is off, it will build up chemicals at the chemical feed injection point in the circulation system. If a timer controls the main circulation system, synchronize BAQUACIL AD UNIT TIME OF DOSE with circulation pump timer.

** If an initial dose of BAQUACIL AD Sanitizer and Algistat (50ppm) is added, the dispenser will automatically add BAQUACIL AD Oxidizer and BAQUACIL AD Algicide 20.

*** When adding oxidizer dose of BAQUACIL AD Oxidizer, the unit will automatically dispense an initial dose of BAQUACIL AD Algicide 20.

NOTE: When multiple oxidizer doses are needed, wear safety gloves and glasses to carefully remove the supply tubing from the BAQUACIL AD Algicide 20 product before initiating automatic oxidizer dose. Wipe off excess algicide on tube and place tube in a bucket.



BAQUACIL™ AD™ Automated Dosing System

Weekly Routine Pool Care

Maintaining your pool on the BAQUACIL system is even easier with BAQUACIL AD Automated Dosing System. Here's how it works.

Once a week, test your pool water with BAQUACIL Test Strips to make sure the levels of BAQUACIL AD Sanitizer and Algistat, pH and total alkalinity are within acceptable ranges.

If the BAQUACIL AD Sanitizer and Algistat level is below 30 ppm, top-up BAQUACIL AD Sanitizer and Algistat. (See Top-Up Dosage Chart below).

NOTE: Top-Up doses can vary from pool to pool. Never let the level fall below 30 ppm.

WEEKLY SUMMARY

1. Test the level of BAQUACIL AD Sanitizer and Algistat and top-up if level is at 30 ppm or below.
2. Test total alkalinity and adjust, if it is outside the 80–150 ppm range.
3. Test pH and adjust, if it is outside the 7.2–7.8 range.
4. Check Automated Dosing System for leaks, and product containers to ensure a sufficient level of product is available. If you need to install another product container, **see your Owner's Manual for complete instructions.**

NOTE: Thoroughly rinse product containers prior to disposal.

Top-Up Dosages for BAQUACIL AD Sanitizer and Algistat

IF LEVEL IS

0–14	Add 2 Top-Ups
15–30	Add 1 Top-Up
>30 ppm	No Top-Up Necessary

(TOP-UP DOSAGE IS 25.0 PPM.)

Based on your pool's volume, the chart below details the approximate product life of BAQUACIL AD products for the season.

Projected Package Life (Days)

BAQUACIL AD	Package Size (gallons)	Type of Container	Pool Volume (In thousands of gallons)					
			10	15	20	25	30	40
Sanitizer and Algistat	2.5	Initial	106 days	62 days	40 days	26 days	18 days	7 days
		Replacement	132 days	88 days	66 days	53 days	44 days	33 days
Oxidizer	4.5	Initial	80 days	46 days	29 days	18 days	11 days	3 days
		Replacement	103 days	69 days	51 days	41 days	34 days	26 days
			112 days	65 days	42 days	28 days	19 days	7 days
			140 days	94 days	70 days	56 days	47 days	35 days

NOTE: Bold identifies pool volumes requiring an initial purchase of two packages.

NOTE: Newly converted pools on the BAQUACIL AD Pool Care System or problem pools should expect higher sanitizer consumption in the first year of operation. It is also recommended to test more frequently (i.e., every 5-7 days) to ensure a BAQUACIL AD Sanitizer and Algistat level of 30 ppm is present.

NOTE: When multiple oxidizer doses are needed, wear safety gloves and glasses to carefully remove the supply tubing from the BAQUACIL AD Algicide 20 product before initiating automatic oxidizer dose. Wipe off excess algicide on tube and place tube in a bucket.

Winterizing Your BAQUACIL™ AD™ Automated Dosing System Pool

If you live in an area where you have to close your pool for the winter, you need to close it properly to protect it. Always follow your pool manufacturer's instructions for winterization of your pool and equipment. To help protect the water, here are some simple steps you should follow:

HOUSEKEEPING

1. Check your water balance.

Take a water sample to your Authorized BAQUACIL Dealer, who will analyze it and recommend any adjustments that may be needed.

2. Perform all necessary housekeeping.

Brush and vacuum your pool thoroughly. Clean all around the tile and/or waterline, as well as the skimmer by using BAQUACIL Surface Cleaner.

3. Sanitize and clarify water.

- Add a top-up dose of BAQUACIL AD Sanitizer and Algistat. (See Top-Up Dosage Chart on page 16).
- Add an oxidizer dose of BAQUACIL AD Oxidizer and BAQUACIL AD Algicide 10.
- Run the filter 8–12 hours continuously to make sure chemicals have circulated thoroughly.

NOTE: When multiple oxidizer doses are needed, wear safety gloves and glasses to carefully remove the supply tubing from the BAQUACIL AD Algicide 10 product before initiating automatic oxidizer dose. Wipe off excess algicide on tube and place tube in a bucket.

4. Disconnect AD unit.

- Disconnect hoses from each product and place in bucket of water.
- To thoroughly rinse tubing, program dispenser to add an initial dose of all products. (See page 14).
- Disconnect black tubing from pool plumbing, leaving the compression fittings attached.
- Disconnect clear and black tubing from the dispenser.

- Disconnect dispenser from mounting location.
- Unplug unit. Unit is equipped with a battery and will retain settings during storage.
- Place original cap (without hole) on each product and secure tightly.* Store in a cool, dry area.

*** It is important to always use recommended bottle caps as they are child resistant.**

5. Store off-season.

Store AD unit, pool chemicals and storage container inside to protect from the elements.

6. Backwash and chemically clean your filter with BAQUACIL Universal Filter Cleaner.

Never store a dirty filter, because deposits may harden during the winter, leaving you with a much harder job in the spring. These cleaners will remove organic and mineral deposits, leaving your filter ready for next season.

WINTERIZING A POOL WITHOUT A COVER OR WITH A MESH COVER

In some areas, pool owners leave pools running year-round. As pool usage ends in the cooler weather, they will need to follow these instructions:

HOUSEKEEPING

Follow 1–3 as noted above.

ENDING THE SEASON

- Sanitize and clarify the water as noted above.
- Backwash and clean your filter with BAQUACIL Universal Filter Cleaner as directed above.

MAINTENANCE FOR NON-SWIMMING MONTHS

- Check the level of BAQUACIL AD Sanitizer and Algistat and the pH level every two weeks and top-up as necessary.
- Run the filter system 4–6 continuous hours a day.
- Remove leaves and debris from the pool as necessary.
- Test water sample every two months.



Compliments of :

Lonza

Lonza North America Water Treatment
5660 New Northside Drive
Atlanta, GA 30328

www.baquacil.com