

Welcome to Quantum® Pool Care

This easy-to-use reference card will walk you through how to care for your pool from opening day to the day you close for the winter.

To get started, you will need to know the size of your pool

My Pool Is _____ Gallons

Rectangular (length x width x average depth) x 7.5
Round (length x width x average depth) x 5.9

Your pool water should always have the following levels:

Total Alkalinity: 80-120 ppm

pH Reading: 7.2-7.8

Sanitizer Level: 1-4 ppm

As you care for your pool, it is important for your pool water to be "in balance." Keeping water balanced will prevent the water from becoming corrosive or forming scale deposits, both of which can damage pool equipment.

When caring for your pool, keep these precautions in mind:

- Always read label directions prior to using and use only as directed.
- Always add the chemical to water and not water to the chemical when making a solution.
- Do not make a solution unless directed to so on the product label.
- Never add chemicals to the water when people are in the pool.
- Never mix one chemical with another chemical prior to adding to the water.
- Store chemicals in a cool dry location out of direct sunlight.

SEASON START-UP

Day 1:

1. Test the water in your pool. Testing the water will allow you to identify what minerals and chemicals will require attention as you start up the pool.
2. Check that the pool filter is clean. If it is not, use **Quantum® Filter Clean** according to the label directions.
3. Begin filling the pool with make-up water. Add **Quantum® Sequest-All™** product to prevent minerals in the water from staining or damaging pool surfaces.
4. Use 2 fl. oz. of **Quantum® Ultra Blue™** clarifier for every 6,000 gallons of water. Disperse **Quantum® Ultra Blue™** clarifier into the water around the perimeter of the pool and a small amount directly into the skimmer. Operate the pump and filter for 6 -10 hours, vacuum the pool and then backwash the filter.

Day 2:

1. Add **Quantum® QB-Brite™** non-chlorine shock oxidizer to destroy any contaminants that have accumulated in the water.
2. Test the total alkalinity and adjust the level to the ideal range of 80 - 120 ppm (parts per million) with **Alkalinity Up**. Wait several hours, then test the pH levels and, if needed, add **pH Up** or **pH Down** to adjust pH level to the ideal range of 7.2 - 7.8.
3. Now begin sanitizing the water by using **Quantum® Trilogy Tabs**, **Quantum® Granular**, **Quantum® 1" Tablets**, **Quantum® 3" Tablets** or **Quantum® Sticks**. Follow product label directions and maintain a 1-4 ppm available chlorine sanitizer level at all times.

Day 3:

1. Prevent rapid loss of chlorine due to sunlight by adding **Quantum® Stabilizer** (not applicable for bromine pools).
2. Prevent algae from developing by adding **Quash!™** algaecide.

EASY MAINTENANCE

Friday

1. Test the pH, total alkalinity and sanitizer levels of the pool water. If necessary, adjust levels with **pH Up**, **pH Down**, **Alkalinity Up** and **Quantum®** sanitizers.
2. Add **Quash!™** algaecide to prevent algae formation.
3. Add **Quantum® Ultra Blue™** clarifier to add sparkle and remove particles that dull the water.

Sunday

1. Vacuum pool and clean out skimmer basket.
2. Wipe off water line and pool accessories with soft towel.
3. Add **Quantum® QB-Brite™** shock oxidizer to rid water of contaminants.
4. Check the filter operation. Refer to the filter manufacturer's directions regarding when to backwash or clean filter.

During the Week

Test the pH, total alkalinity and sanitizer levels of the pool water. If necessary, adjust levels with **pH Up**, **pH Down**, **Alkalinity Up** and **Quantum®** sanitizers.



POOL CLOSING

Clean Up

1. Brush pool walls and floor. Vacuum any debris from pool bottom.
2. Clean the filter with **Quantum® Filter Clean**.

Treat the Water

1. Add **Quantum® QB-Brite™** shock oxidizer to destroy contaminants.
2. Add a **Quantum®** algaecide formulated for pool closings.
3. Add **Quantum® Sequest-All™** sequestering agent to protect pool from staining and scale formation.
4. Lower the water if you are in an area where water must be lowered due to freezing conditions. Drain all water from pipes, pumps, heaters, filters and other pool equipment to prevent damage due to freezing. If in a mild climate where the pool is left full and uncovered, confirm with the manufacturer's directions if the filtration system should continue to operate.
5. If in a mild climate where the pool is left full and uncovered with the filtration system still operating, regularly add a **Quantum®** sanitizer, a **Quantum®** algaecide formulated for pool closings and **Quantum® Sequest-All™** product.



Pool Water Problem Solver

Possible Cause	Solution	Preventative Maintenance
Cloudy, Dull Water		
Dirty filter	Clean filter with Quantum® Filter Clean .	Backwash as necessary and clean filter thoroughly as needed.
pH too low or too high	Test pH and correct with pH Up or pH Down .	Maintain pH of 7.2-7.8 and total alkalinity of 80-120 ppm.
Free chlorine residual too low	Test for chlorine residual and adjust as needed. Treat with Quantum® Q-Shock II™ shock oxidizer.	Maintain free chlorine level of 1-4 ppm.
Filter not removing small particles	Use Quantum® Ultra Blue™ clarifier to coagulate small particles. Check filter operation.	Use Quantum® Ultra Blue™ clarifier (1 fl. oz. per 6,000 gals.) weekly.
Backwashing sand filters too often	Backwash less frequently, only as recommended by filter manufacturer's directions.	Use Quantum® Filter Clean once every month or two months, depending on level and frequency of pool occupancy.
Dissolved metals in water	Use Quantum® Sequest-All™ product to control metals in the water.	Use Quantum® Sequest-All™ product (4 fl. oz. per 10,000 gallons) weekly to prevent stain and scale formation.
Cloudy, Green Water		
Green algae	Use Quash!™ algaecide to kill algae. Use Quantum® Hy-Floc™ to help remove dead algae.	Use Quash!™ algaecide (4-8 fl. oz. per 10,000 gallons) weekly to prevent algae growth.
Reddish Brown Water		
Iron or manganese dissolved in water	Use Quantum® Sequest-All™ product to suspend and inactivate stain causing minerals.	Use Quantum® Sequest-All™ product (4 fl. oz. per 10,000 gallons) weekly.
Clear, Green Water		
Dissolved copper from fill water - Corrosion of copper pipes or heater	Use Quantum® Sequest-All™ product as directed. Test and adjust pH and total alkalinity.	Use Quantum® Sequest-All™ product (4 fl. oz. per 10,000 gallons) weekly.
Black and/or Dark Green Spots		
Black algae	Use Quantum® Q-Shock II™ shock oxidizer per directions. Add Quash!™ algaecide as directed, then brush daily until gone. Use Quantum® Hy-Floc™ product to help remove dead algae.	Use Quash!™ algaecide (4 -8 fl. oz. per 10,000 gallons) weekly to prevent algae growth. Adjust returns to provide better flow over affected area.
Yellow Slime		
Mustard algae	Brush affected areas. Use Quash! or Algigon-C . Use Quantum® Hy-Floc™ to remove dead algae and clean filter with Quantum® Filter Clean .	Use Quash!™ algaecide (4 -8 fl. oz. per 10,000 gallons) weekly to prevent algae growth.
Scum and Odors		
Grease and oil from swimmers	Use Quantum® QB-Brite shock oxidizer per directions. Clean filter with Quantum® Filter Clean .	Shower before entering pool. Maintain a clean filter with a periodic cleaning. Shock oxidize with QB-Brite™ shock oxidizer after heavy pool use to destroy non-filterable contaminants.
Chlorine Odor		
Combined chlorine level is too high	Treat with Quantum® Q-Shock II™ shock oxidizer. Then test for free chlorine residual and adjust to maintain free chlorine level of 1-4 ppm.	Test chlorine level daily. Maintain total alkalinity of 80-120 ppm, pH of 7.2-7.8 and free chlorine level of 1-4 ppm.
Stains and Rust		
Metals in water	Use Quantum® RMS™ stain remover. Follow treatment with Sequest-All™ product to prevent staining.	Use Quantum® Sequest-All™ product (4 fl. oz. per 10,000 gallons) weekly to keep metals in solution and prevent staining.
Unbalanced water	Make necessary pH and total alkalinity adjustments.	Maintain pH of 7.2-7.8 and total alkalinity of 80-120 ppm.
Calcium, Scale Deposits		
pH or alkalinity too high	Correct with Quantum® pH Down as directed.	Use Quantum® Sequest-All™ product (4 fl. oz. per 10,000 gallons) weekly to prevent scale-forming calcium from precipitating out of solution.
Calcium content too high	Dilute pool water with water of lower hardness. Add 16 fl. oz. per 10,000 gallons of Quantum® Sequest-All™ product when adding make-up water.	Use Quantum® Sequest-All™ product (4 fl. oz. per 10,000 gallons) weekly to prevent scale-forming calcium from precipitating out of solution.
Skin and Eye Irritation		
Combined chlorine level is too high	Treat with Quantum® Q-Shock II™ shock oxidizer. Then test for free chlorine residual and adjust to maintain residual of 1-4 ppm.	Maintain available chlorine level of 1-4 ppm at all times regardless of pool usage or weather conditions.
pH too low or too high	Test pH and correct with Quantum® pH Up or Quantum® pH Down .	Maintain pH of 7.2-7.8 and total alkalinity of 80-120 ppm.