



Are ALL your Pool Chemicals Balanced??

Are your chemicals levels being maintained between the following?

Free Chlorine* : 2.0-4.0 ppm, max 5.0 ppm

pH* : 7.2-7.6

Alkalinity* : 80-120 ppm

Combined Chlorine*: if levels exceed 0.2 ppm - "Superchlorinate"

Calcium Hardness - 150-250

** These levels are recommendations from the PA Dept of Health's—Public Swimming & Bathing Places (Aquatic Facilities) Operational & Biological Contamination Protocol Recommendations (Dated 3/18/08)*



We Install & Repair Chemical Control Systems



Aqua Chemical Supply Inc

183 Moore Street
Millersburg, PA 17061

Phone: 866-375-2782

Fax: 717-692-3280

Email: acsinc@epix.net

One stop for all your chemical & maintenance needs



We carry all the products you need to balance your pool chemistry.

Don't let this happen to your Pool!!

Corrosion



Cloudiness / Algae



pH

Low pH

Corrosive Water

- Pitting of Concrete
- Metals Dissolve
- Staining of Walls

High pH

Scaling Water

- Plugged Filters
- Reduced Circulation
- Cloudy Pool

Non-Balance Problems

- Chlorine Loss
- Skin/Eye Irritation
- Vinyl Wrinkles

Non-Balance Problems

- Chlorine Inefficiency
- Skin/Eye Irritation

Total Alkalinity

Low Total Alkalinity

Corrosive Water

- Pitting of Concrete
- Metals Dissolve
- Staining of Walls

High Total Alkalinity

Scaling Water

- Plugged Filters
- Reduced Circulation
- Cloudy Pool

Non-Balance Problems

- Chlorine Loss
- Skin/Eye Irritation
- Vinyl Wrinkles

Non-Balance Problems

- Chlorine Inefficiency
- Skin/Eye Irritation

Calcium Hardness

Low Calcium Hardness

Corrosive Water

- Pitting of Concrete
- Etching of Plaster
- Dissolving of Grout
- Pitting of Pool Decks

High Calcium Hardness

Scaling Water

- Plugged Filters
- Reduced Circulation
- Cloudy Pool
- Heater Inefficiency

CHEMICALS USED TO ADJUST LEVELS

	<u>pH</u>	<u>Total Alkalinity</u>	<u>Calcium Hardness</u>
To INCREASE	<ul style="list-style-type: none"> • Soda Ash • Caustic Soda 	<ul style="list-style-type: none"> • Sodium Bicarbonate 	<ul style="list-style-type: none"> • Calcium Chloride
To DECREASE	<ul style="list-style-type: none"> • Muriatic Acid • Sodium Bisulfate • Carbon Dioxide (CO₂) 	<ul style="list-style-type: none"> • Muriatic Acid • Sodium Bisulfate 	

Stains



Dissolving of Grout



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