

Instructions  
&  
Spa Water Care Guide



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## CONTENTS:

### Page 3:

- The **AquaClear®** Spa care System
- Satisfaction Guarantee
- The **AquaClear®** Advantage

### Page 4:

- **AquaClear®** Quick Start Guide
- Maintenance

### Page 5:

- Sanitizers / Bactericides

### Page 6:

- Always / Never Spa Care Guide

### Page 7:

- Trouble Shooting and Avoiding Spa Problems

# AquaClear SPA water care system

## WELCOME:

Congratulations on your purchase of the **AquaClear®** Spa Treatment System. **AquaClear®** is the safest, easiest and most effective water conditioner on the market today. Your spa water will be softer, cleaner and more enjoyable, with no odors, no foam and no irritation to the eyes or skin. **AquaClear®** is a unique, proprietary formulation of non-foaming surfactants, natural enzymes, minerals and plant extracts that contain no harsh chemicals.

## SATISFACTION GUARANTEED:

We guarantee you will find the **AquaClear®** system superior over all other treatment methods on the market. If our system, used as directed, does not simplify and enhance your spa experience, return the unused portion to us within 60 days of purchase for a full refund.

**Technical Support Email:** [support@pacificsandsinc.com](mailto:support@pacificsandsinc.com) we can very likely solve any problems you may have.

## THE AquaClear® ADVANTAGE:

- No more itching
- No more rashes
- No more scum lines
- Reduce or eliminate foam
- Stabilized pH and alkalinity
- Increases filter efficiency; easier cleaning
- Never scrub your spa again
- Will not damage clothing
- Naturally softens your water
- Extends the life of your spa water
- Leaves your skin feeling soft
- Reduces and/or eliminates the majority of your spa care chemical regimen including foam reducers, pH up, pH down, clarifiers, scum digesters, filter cleaning products, chlorine/bromine, etc.
- Great for indoor spas (reduces odors)
- Reduction of overall maintenance.

## AquaClear® QUICK START GUIDE:

1) Remove and clean cartridge filter with **AquaClear** FILTER cleanser.

**BIGUANIDE NOTE:** When switching from a biguanide product, drain and refill spa before cleansing and replace cartridge filter.

**NEW SPAS:** New spas should be filled and cleansed before starting

**AquaClear®** as manufacturer 'wet testing' may cause buildup of mold, or other contaminants.

2) Drain spa and rinse surfaces with fresh water. Clean spa shell and cover. Refill and drain spa 'well' (center of spa) 2 to 3 times to assure removal of all contaminants from plumbing.

**NOTE:** NEVER use household cleaners to clean your spa. They can damage the shell and cause foaming.

3) Refill spa and heat to operating temperature. Adjust pH, alkalinity, calcium hardness ONLY if necessary.

pH Range: 7.2 – 8.2

Alkalinity: 80 - 120

Hardness: 200+

**VERY HARD or WELL WATER:** Many initial water quality issues can be solved by filling your spa using the **AquaClear®** Spa Pre-Filter. If your water is excessively hard, you may need to use a stain and scale control product.

4) Add minimum recommended amount of sanitizer or one dissolving packet of ONEShock™ (where available) per 250 gallons (950 liters)  
(see "SANITIZERS" page: 5)

5) With jets and blowers running, add full bottle of **AquaClear®** SPA monthly to spa.

### **MAINTENANCE:**

**AS NEEDED:** Maintain lowest recommended sanitizer level  
(.5 to 3 ppm generally – follow sanitizer instructions)

**WEEKLY:** Clean Cartridge Filter with **AquaClear** FILTER cleanser

**WEEKLY (or as needed):** Shock spa with ONEShock™, dichlor or non-chlorine shock.

**MONTHLY:** Add **AquaClear®** SPA Monthly

**DAILY: ENJOY!**

# SANITIZERS

While **AquaClear®** eases the oxidation demand on your sanitizer it is not a registered sanitizer. Maintain the minimum recommended amount of sanitizer in your spa. This may range between .05 ppm and 3 ppm depending on your local regulatory agency guidelines.

At minimum, we recommend ozone and shocking weekly with a sanitizing shock such as **ONESHOCK™** or dichlor.

**OZONE:** (Highly Recommended) Ozone is the most powerful and, arguably the safest sanitizer available. However, ozone oxidizes very quickly and does not create a 'residual' in the water. A minimum residual of chlorine should be used with ozone systems.

**Use with AquaClear®:** Shock weekly with **ONESHOCK™** or dichlor per label instructions to kill any residual or resistant bacteria. May also use non-chlorine shock.

**DICHLOR / ONESHOCK™:** (highly recommended) Highly effective and 'self-shocking,' **ONESHOCK™** / dichlor is a balanced form of chlorine that can be used both as a sanitizing shock and residual sanitizer. When used correctly with the **AquaClear®** system, you will not experience chlorine smell, itching or rashes.

**BROMINE:** (compatible) Establish initial bromine levels per package instructions. Set floater for minimum dispersal and adjust as needed. Shock weekly with either dichlor, **ONESHOCK™** or non-chlorine shock.

**TRICHLOR: DO NOT USE** (white pucks, similar in appearance to bromine) Never use trichlor as a spa sanitizer. It may damage your spa, cause respiratory issues and WILL void most spa's warranty.

## BACTERICIDES / ALTERNATIVES

**BIGUANIDE:** (not recommended) Not tested for compatibility.

**COPPER / SILVER:** (compatible) Copper & silver based products are somewhat effective bactericides for spas. However, in the warm water, 'bacteria-friendly' environment of a hot tub, they should still be used with a chlorine shock such as **ONESHOCK™**.

**"ACTIVE OXYGEN:"** (compatible) This is essentially non-chlorine shock being sold as a sanitizer. It is NOT a sanitizer. Works well with ozone.

**MINERAL CARTRIDGES:** (compatible, not necessary)

**MAGNETS & MISC. GADGETS:** mostly harmless – not sanitizers. Scientifically dubious.

# SPA CARE GUIDE ALWAYS / NEVER

Simple spa care tips to “simplify your spa... naturally”

## **ALWAYS:**

**SHOWER FIRST:** Take a quick, soap-less shower before entering your spa. This will help reduce the workload on **AquaClear®** and your sanitizer.

**AIR IS GOOD:** The introduction of oxygen in to the system enhances the efficacy of the **AquaClear®** system. Leave your jets and air intakes set to the “on” position between spa uses.

**CLEAN YOUR FILTER.** The **AquaClear®** system relies heavily on filtration. Regular cleaning of your cartridge filter will keep contaminants from getting back into the spa.

**MAINTAIN SANITIZER LEVELS:** Safety first – Bacteria love a warm water environment (SEE SANITIZERS, Page: 5.)

**MAINTAIN WATER LEVEL:** Water should be at least 3 inches above filter intake. Low water levels will lead to cloudy water.

**SPA NAKED!** Clothing tends to hold residual detergent which may cause foaming. (That's our story and we're sticking to it.)

## **NEVER:**

Never use **household cleaning products** to clean or maintain your spa. The one exception is baking soda which can be used to raise pH or scrub out stains.

**TRICHLOR:** NEVER use 'trichlor' as a sanitizer for your spa. Trichlor is intended for use in pools and can cause damage to your spa as well as cause potential respiratory issues. **USE OF TRICHLOR WILL VOID MOST SPA WARRANTIES!**

**AVOID CHEMICAL SOUP:** With proper water balance and sanitizer levels, **AquaClear®** will 'recover' your spa with time and good filtration. Don't overdose with additional products. 24 hours of high filtration with **AquaClear®** is often as effective as a heavy dose of shock.

**AVOID ACCIDENTS:** Make sure the little ones use the potty before getting in to the spa. Urine will irrevocably crash your spa water.

**NEVER SPA ALONE:** (see “Spa Naked”:) While relaxing in your spa is a relaxing and well-being-enhancing experience, it is also a potentially dangerous place. Always use common sense around spa chemicals and electrical appliances. Don't overheat your spa.

## TROUBLE SHOOTING (and AVOIDING) SPA PROBLEMS

Problem	Solution (in order)
Cloudy Water	<ul style="list-style-type: none"> <li>- clean cartridge filter</li> <li>- shock spa with ONEShock™, dichlor or non-chlorine shock (allow 24 hours for product to 'catch up' and clean filter)</li> <li>- increase filtration cycle</li> <li>- increase sanitizer level</li> <li>- check pH (7.2 – 8.2) and alkalinity (80 – 120)</li> <li>- clean cover with <b>ecoone®</b> Shell and Liner Cleaner – rinse completely</li> </ul>
Foamy Water	<p>Almost always caused by the introduction of soaps to the spa.</p> <ul style="list-style-type: none"> <li>- see page 6 (Always / Never)</li> <li>- follow "cloudy water" solutions</li> <li>- discontinue use of filter cleansing products other than <b>AquaClear FILTER</b> cleanser</li> <li>- run spa with cover off and jets and blowers on full – scoop out foam.</li> </ul>
Green Water	<p>Algae (unlikely in covered spa)</p> <ul style="list-style-type: none"> <li>- shock spa with ONEShock™, dichlor or non-chlorine shock (allow 24 hours for product to work, then clean filter)</li> </ul> <p>OR</p> <p>Dissolved copper present in water.</p> <ul style="list-style-type: none"> <li>- refill spa using <b>AquaClear® Spa Pre-filter</b></li> <li>- use a product such as "Metal Gone" and clean filter after 24 hours</li> </ul>
Brown /Black / Orange Water	<p>Dissolved iron in water</p> <ul style="list-style-type: none"> <li>- follow instructions for "Green Water"</li> </ul> <p>OR</p> <p><b>AquaClear®</b> has loosened contaminant buildup in plumbing.</p>
Yellow Water	<p>Generally left over from biguanide conversions.</p> <ul style="list-style-type: none"> <li>- shock spa with ONEShock™, dichlor or non-chlorine shock (allow 24 hours for product to 'catch up' and clean filter)</li> <li>- If yellow water persists, you may have to repeat the <b>ecoone PIPE</b> cleanser cleansing process</li> </ul>
Itching / Rashes	<ul style="list-style-type: none"> <li>- shock spa with ONEShock™, dichlor or non-chlorine shock (allow 24 hours for product to 'catch up' and clean filter)</li> </ul> <p>OR</p> <p>- if itching or rashes persist, you may have a skin issue that requires medical attention. Most <b>AquaClear®</b> users find that, when used as directed, <b>AquaClear®</b> solves their itching and rashes – DO NOT UNDER-SANITIZE your spa – this can make the problem worse.</p>
Still Need Help?	<p><b>AquaClear®</b> Customer Support:</p> <p><a href="mailto:support@pacificsandsinc.com">support@pacificsandsinc.com</a></p> <p>or call: 877-492-8123</p>

**THANK YOU! And welcome to the AquaClear® family.**

We hope you enjoy our one-of-a-kind **AquaClear®** Spa Treatment System. We at Pacific Sands, Inc. use **AquaClear®** in our own tubs and are inspired by the growing list of happy users and the many gracious comments that we have received.

We have a broad base of satisfied **AquaClear®** customers around the world ranging from the "Pirate Platoon" in Iraq who built a hot tub out of spare parts and miscellaneous junk (visit our website at [www.pacificsandsinc.com](http://www.pacificsandsinc.com) for the full story) to movie stars to a house full of Las Vegas show girls.

We love to hear your feedback and comments. Please provide us with a testimonial of your experience with the **AquaClear®** system by writing to [support@pacificsandsinc.com](mailto:support@pacificsandsinc.com).

We will continue to bring safe and effective products to market that reduce, if not rid, the amount of chemicals used in your home. Thank you for your valued support.

**The Pacific Sands Family**

**AquaClear®** - "Simplify Your Spa ... Naturally"

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