

**GREAT BAY SPA & SAUNA**  
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## **COMPARISON OF DIFFERENT SANITIZERS**

Here you will find a list of the different sanitizer methods to treat your hot tub or spa and the pros and cons of each. While nearly everyone has their "best method", this information will hopefully help you decide which method will work best for you.

### **BROMINE**

Bromine generally comes as tablets that go into a floater dispenser in the spa. Bromine requires an oxidizer to activate it and generally contains some chlorine to do so. Ozone will work well with bromine to maintain bromine levels since ozone is an oxidizer. Bromine tends to be popular due to its convenience.

<b>Advantages</b>	<b>Disadvantages</b>
<ul style="list-style-type: none"><li>• <b>Convenient to use...</b>put tablets into floater and refill every 10 to 14 days.</li><li>• <b>Readily available</b></li><li>• <b>Can be used with ozone</b></li><li>• <b>Does not have "chlorine smell"</b></li><li>• <b>No difference between the effectiveness of free vs. combined bromine</b></li></ul>	<ul style="list-style-type: none"><li>• <b>Has low pH (approx. 3.5 - 4.5)...</b>pH levels need to be adjusted frequently to prevent equipment damage.</li><li>• <b>More expensive than chlorine</b></li><li>• <b>Can not be used with Nature2</b></li><li>• <b>Bromine odor is more difficult to shower off</b></li><li>• <b>Requires the use of sodium bromide when water is changed to establish a bromine reserve</b></li></ul>

## CHLORINE

Chlorine has been used the longest in the spa industry and comes in granular form. The biggest drawback to spa chlorine is that it will add stabilizer to your water. Necessary to protect the chlorine from sunlight, high levels of stabilizer can reduce chlorines effectiveness. Chlorine tends to be popular due to its ease of use and low cost.

<b>Advantages</b>	<b>Disadvantages</b>
<ul style="list-style-type: none"><li>• <b>More neutral pH...sodium di-chlor has a pH of 7.0</b></li><li>• <b>Readily available</b></li><li>• <b>Less expensive than bromine</b></li><li>• <b>Can be used as sanitizer and also as "shock"</b></li><li>• <b>Can be used with ozone, Sunpurity and Nature2</b></li></ul>	<ul style="list-style-type: none"><li>• <b>Less convenient...needs to be added manually several times a week.</b></li><li>• <b>Confusion of varieties...Numerous types are available, <u>only</u> sodium di-chlor should be used in spas.</b></li><li>• <b>Combined chlorines cause the "odor" but has no sanitizing ability</b></li></ul>

## OZONE

Ozone has become the most popular chemical-free sanitizer in the last few years. Depending on its application, it may or may not be very effective.

<b>Advantages</b>	<b>Disadvantages</b>
<ul style="list-style-type: none"><li>• <b>Reduces required amount of bromine or chlorine</b></li><li>• <b>New spas come "ozone ready" for easy installation</b></li><li>• <b>Easily connected to spas</b></li><li>• <b>Can be used with bromine, chlorine, or Nature2</b></li></ul>	<ul style="list-style-type: none"><li>• <b>Needs to be supplemented with chlorine or bromine</b></li><li>• <b>Can be expensive...\$250 - \$500 depending on application</b></li><li>• <b>Should not be used on indoor spas</b></li></ul>

## SUNPURITY or NATURE2

Sunpurity and Nature2 are some of the newer sanitizing methods. They are not a primary sanitizer and need to be used with chlorine. They work very well and are based on the same principle as an ionizer, without the electricity.

Advantages	Disadvantages
<ul style="list-style-type: none"><li>• <b>Easy to use...fits in filter door</b></li><li>• <b>Lasts 4 months</b></li><li>• <b>Can be used with chlorine or ozone</b></li><li>• <b>No chemical smells</b></li></ul>	<ul style="list-style-type: none"><li>• <b>Need to shock frequently with chlorine or non-chlorine shock</b></li><li>• <b>Can not be used with bromine</b></li></ul>

## BAQUASPA

Some people love it and some people hate it. The major complaint has to do with all the products you have to buy and the cost.

Advantages	Disadvantages
<ul style="list-style-type: none"><li>• <b>Easy to use...just add once a week</b></li><li>• <b>Doesn't use chlorine or bromine so no "smell"</b></li><li>• <b>Good choice for those with a chemical sensitivity to chlorine or bromine</b></li></ul>	<ul style="list-style-type: none"><li>• <b>Very expensive...available only from authorized dealers</b></li><li>• <b>If not used properly can discolor some plastics</b></li><li>• <b>Filter cleaning is much more frequent and involved</b></li><li>• <b>Will not kill algae and is prone to white water mold and pink slime</b></li><li>• <b>Baqua Spa can eat some plastics...some manufacturers will void warranty if product is used</b></li></ul>