



“BROMINE TABS” Hot Tub Chemical “Start-Up” Instructions

Follow these instructions every time, after you fill your hot tub.

You have _____ gallons in your hot tub

Step 1 **Test your water at Pools & Cues & Spas, Too.** Be sure to bring at least 8 oz. of water in a clean plastic container. The water must be above 80 degrees when you take it from the hot tub. Also, we can only get an accurate test reading if the water has NOT been out of the hot tub for more than 1 hour, from the time you take it from the hot tub. Visit <http://www.PoolsCuesSpas.com/WaterTesting.html> for more helpful tips on water testing.

Step 2 After your water test, when you're about to put chemicals in your hot tub, **turn the jets on high speed.** Always have your jets running when you're adding **ANY CHEMICALS** to the water, and keep the jets running for at least 15 minutes after adding them; open cover, at least half way, during process as well.

Step 3 **Add directly to the water 16 oz. of Metal Gon** or **3 oz. of Super Erase.**
Wait at least 30 minutes before moving to Step 4.

Step 4 At least 30 minutes after Step 3, **Add directly to the water** * _____ oz. of **Sodium Bromide.**
*1/2 oz. of *Sodium Bromide* per 100 gallons of water.
Always wait at least 1 hour before you use the hot tub after adding *Sodium Bromide.*

Step 5 Right after Step 4, **add** * _____ **Bromine Tabs to your Bromine Floater.** Open the floater all the way and put the floater into the water.
* **1 Bromine Tab** per 100 gallons of water.

Step 6 Right after Step 5, **add directly to the water 2 oz. of Defender** to prevent staining and scale.

Step 7 Right after Step 6, **adjust the Total Alkalinity and Calcium Hardness.** (Follow the directions we gave you on this, after your water test.) You can use the tub during this process.

Step 8 **At least 8 hours** after all **Total Alkalinity** doses have been added to the water, re-test **pH** with your test strips and adjust if needed. (See Chemical Measurement Charts Section.)

YOU'RE DONE! NOW MOVE ON TO THE MAINTENANCE SECTION!

(Need a Part or a Repair? Try us first! WE HAVE IT ALL and WE DO IT ALL!)

“BROMINE TABS” Hot Tub Chemical “Maintenance” Instructions

Follow this procedure to keep your hot tub clean, clear, and comfortable.

You have _____ gallons in your hot tub

Once a Week: Add * _____ *Bromine Tabs* to your **Bromine Floater**. Keep floater open all the way at all times. It is ok if you want to take the floater out while the hot tub is in use.

* **1 Bromine Tab** per 100 gallons of water.

Once a Week: Add directly to the water **2 oz. of *Defender*** to prevent staining and scale. (You can add *Defender* at the same time as *Bromine Tabs*, *Spa 56* and *Renew*.)

Twice a Week: Add directly to the water * _____ **oz. of *Renew***, (Potassium Peroxymonosulfate.)
***2 oz.** of *Renew* per 250 gallons of water.

Twice a Week: Test your water with your test strips and adjust the ***Total Alkalinity***, ***Calcium Hardness***, and ***pH*** levels to the ideal ranges if needed. (See Chemical Measurement Charts Section.)

ALSO, Test your Bromine level and adjust this if needed (see below.)

Always keep your Bromine level between 3 – 5 p.p.m. on you test strips (Bromine’s ideal range.) When the Bromine level is testing at the low end of its ideal range or if it has dropped below its ideal range, you need to get the level back. Do the following:

Add directly to the water * _____ oz. of *Spa 56*, (99% Sodium Dichlor.)

ALWAYS WAIT at least 1 hour before you use the hot tub after adding *Spa 56*.

***1/2 oz.** of *Spa 56* up to 250 gallons of water – **3/4 oz.** of *Spa 56* for over 250 gallons of water.

Every 7 -14 Days: Rinse the **Filter Cartridge(s)** with a garden hose or in your shower if too cold out.

Every 30 – 60 Days: Chemically clean the **Filter Cartridge(s)** with ***Filter Cleaner***. (Follow the directions on the back of the *Filter Cleaner* bottle.) Use only pool or hot tub *Filter Cleaner*! You can re-use your filter cleaner a few times, you would just have to save it in the bucket you use.

Every 4 Months: 1) Add ***Jet Cleaner***. (Follow the directions on the back of the *Jet Cleaner* bottle.)

2) **Drain the Hot Tub.**

3) **Clean the interior of hot tub with a hot tub *Surface Cleaner*.**

4) **Re-Fill the hot tub.**

5) **Repeat Start-Up steps 1 – 8.**

As Needed: If the water looks dull, hazy, cloudy, or has a funky odor, You need to “Super Chlorinate” and then check your ***Total Alkalinity and pH*** with your test strips to see if they are both testing in the ideal range (see Chemical Measurement Chart Section.)

-First, Super Chlorinate by adding * _____ oz. of *Spa 56*, (99% Sodium Dichlor.)

***1 oz.** of *Spa 56* for 250 gallons of water and under – **2 oz.** of *Spa 56* for over 250 gallons of water.

-Next, balance both ***Total Alkalinity*** and ***pH*** if either is not in range. (Always balance ***Total Alkalinity*** first, and then ***pH***, once the ***Total Alkalinity*** is finally in range.)

-Last, starting no sooner than 4 hours after Super Chlorinating, rinse filter(s) with water, two times per day, until water is clear again or funky odor is no longer present.

Tip: the addition of 2 oz. of ***Bright & Clear*** after adding *Spa 56* will clear water faster!

IF YOU HAVE ANY QUESTIONS WITH THIS, PLEASE CALL US!

(Visit <http://www.PoolsCuesSpas.com/HelpfulSpaAdditions.html> for more helpful hot tub products!)



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Visit us on the web! www.PoolsCuesSpas.com



Some Helpful Tips For Safety And Enjoyment of Your Hot Tub

-For water testing at our store, always be sure to bring at least 8 oz. of water in a clean plastic container. The water must be above 80 degrees when you take it from the hot tub. Also, we can only get an accurate test reading if the water has NOT been out of the hot tub for more than 1 hour, from the time you take it from the hot tub. Visit <http://www.PoolsCuesSpas.com/WaterTesting.html> for more helpful tips on water testing.

-Always have your jets running on high speed when you're adding ANY CHEMICALS to the water, and keep the jets running for at least 15 minutes after adding them; open cover, at least half way, during process as well.

-When adding Total Alkalinity or Calcium Hardness to your water:

- 1) Never add more than a 1oz. dose of POWDERED/GRANULAR Total Alkalinity per 100 gallons of hot tub water.
- 2a) Never add more than a 1oz. dose of POWDERED/GRANULAR Calcium Hardness per 100 gallons of hot tub water.
- 2b) ALWAYS DISSOLVE POWDERED/GRANULAR Calcium Hardness in cold water before adding to hot tub water.
- 2c) When dissolving ANY CHEMICAL, add the chemical to water and not the other way around.
- 3) Never add more than a 2oz. dose of LIQUID Calcium Hardness per 100 gallons of hot tub water.
- 4) If you have to add more one dose of Total Alkalinity or Calcium Hardness, wait at least 4 hours before doing an additional dose.
- 5) Always wait 30 minutes between adding doses of Total Alkalinity and Calcium Hardness.

-DO NOT adjust pH until 8 hours after you have adjusted Total Alkalinity. This means adjust Total Alkalinity before even testing pH.

-Your measuring cups should be thoroughly rinsed after each use.

-Always keep your chemicals and test strips in a cool and dry place, and never leave them in direct sunlight. Also, follow all safety instructions on chemical bottles.

-Persons with diabetes, high blood pressure, heart disease, other cardiovascular conditions, and who are pregnant should consult their physician before using a hot tub.

-Persons with open soars or other infections should not use a hot tub. Hot water is an ideal environment for spreading infection, especially if the chemical instructions are not followed exactly as stated on our sheets.

-Never drink alcohol before or while using a hot tub. Anyone on medication should consult their physician before using a hot tub.

-Always keep the cover's locking mechanisms attached and locked. If you have broken locks, we carry these in stock.

Children:

- 1) Keep an eye on the little rascals!
- 2) Hot tubs are perfectly safe for children over the age of 3, as long as an adult is with them. The temperature of the water should be kept lower than for an adult. Adults can stand temperatures up to 104 degrees, but children should not use a tub over 100 degrees. Children under 15 should not stay in a hot tub for more than 15 minutes.

-If you or anyone becomes dizzy or feels faint, while in a hot tub, they should get out immediately and drink a glass of cool water.

For more information on Pool & Spa Safety, please visit
<http://www.PoolsCuesSpas.com/PoolAndSpaSafety.html>

(Visit <http://www.PoolsCuesSpas.com/HelpfulSpaAdditions.html> for more helpful hot tub products!)

Chemical Balancing Charts Section

1 A: Raising Calcium Hardness USING LIQUID Calcium Hardness Increaser

Numbers on left with "ppm" after them represent how much of the Calcium Hardness level you need to increase. (ppm means "Parts Per Million")

	125 Gallons	250 Gallons	375 Gallons	500 Gallons
20 ppm	3/4 oz.	1 1/2 oz.	2 1/4 oz.	3 oz.
50 ppm	1 3/4 oz.	3 1/2 oz.	5 1/4 oz.	7 oz.
100 ppm	3 1/2 oz.	7 oz.	10 1/2 oz.	14 oz.
150 ppm	5 1/4 oz.	10 1/2 oz.	15 3/4 oz.	21 oz.
200 ppm	7 oz.	14 oz.	21 oz.	28 oz.
250 ppm	9 oz.	18 oz.	27 oz.	36 oz.
300 ppm	10 3/4 oz.	21 1/2 oz.	32 1/4 oz.	43 oz.
350 ppm	12 1/2 oz.	25 oz.	37 1/2 oz.	50 oz.

Never add more than a 2 oz. dose of LIQUID Calcium Hardness Increaser, per 100 Gallons of tub water. Wait at least 4 - 6 hours between each dose.

"Ideal Range"
300 ppm - 400 ppm

1 B: Raising Calcium Hardness USING POWDER / GRANULAR Calcium Hardness Increaser

Numbers on left with "ppm" after them represent how much of the Calcium Hardness level you need to increase. (ppm means "Parts Per Million")

	200 Gallons	300 Gallons	400 Gallons	500 Gallons
20 ppm	1 oz.	1 1/4 oz.	1 1/2 oz.	2 oz.
40 ppm	1 1/2 oz.	2 1/2 oz.	3 1/4 oz.	4 oz.
80 ppm	3 1/4 oz.	5 oz.	6 1/2 oz.	8 oz.
120 ppm	5 oz.	7 1/4 oz.	9 1/2 oz.	12 oz.
160 ppm	6 1/2 oz.	9 1/2 oz.	13 oz.	16 oz.
200 ppm	8 oz.	12 oz.	16 oz.	20 oz.
240 ppm	9 1/2 oz.	14 1/2 oz.	19 1/4 oz.	24 oz.
280 ppm.	11 1/4 oz.	17 oz.	22 1/2 oz.	28 oz.

Never add more than a 1 oz. dose of Powder / Granular Calcium Hardness Increaser, per 100 Gallons of tub water. Wait at least 4 - 6 hours between each dose.

"Ideal Range"
300 ppm - 400 ppm

2: Raising Total Alkalinity Using Powder / Granular Total Alkalinity Increaser

Numbers on left with "ppm" after them represent how much of the Total Alkalinity level you need to increase. (ppm means "Parts Per Million")

	200 Gallons	300 Gallons	400 Gallons	500 Gallons
20 ppm	1 oz.	1 1/2 oz.	2 oz.	2 1/2 oz.
40 ppm	2 oz.	3 oz.	4 oz.	5 oz.
60 ppm	3 oz.	4 1/2 oz.	6 oz.	7 1/2 oz.
80 ppm	4 oz.	6 oz.	8 oz.	10 oz.
100 ppm	5 oz.	7 1/2 oz.	10 oz.	12 1/2 oz.
120 ppm	6 oz.	9 oz.	12 oz.	15 oz.

Never add more than a 1 oz. dose of Powder / Granular Total Alkalinity Increaser, per 100 Gallons of tub water. Wait at least 4 - 6 hours between each dose.

"Ideal Range"
80 ppm - 125 ppm

3 A: Raising pH Using Powder / Granular pH Increaser

Always Balance Total Alkalinity BEFORE Balancing pH!

Numbers on left are what your pH is testing.

	200 Gallons	300 Gallons	400 Gallons	500 Gallons
Below 6.8	1/2 oz.	5/8 oz.	3/4 oz.	1 oz.
6.8 - 7.1	1/4 oz.	3/8 oz.	1/2 oz.	5/8 oz.

"Ideal Range"
7.2 - 7.8

3 B: Lowering pH Using Powder / Granular pH Decreaser

Always Balance Total Alkalinity BEFORE Balancing pH!

Numbers on left are what your pH is testing.

	200 Gallons	300 Gallons	400 Gallons	500 Gallons
8.4	1 1/2 oz.	2 1/4 oz.	3 oz.	3 3/4 oz.
8.2	1 oz.	1 1/2 oz.	2 oz.	2 1/2 oz.
8.0	1/2 oz.	3/4 oz.	1 oz.	1 1/4 oz.
7.8	1/4 oz.	3/8 oz.	1/2 oz.	5/8 oz.

"Ideal Range"
7.2 - 7.8