




# Floating Sanitizing System Operating Instructions

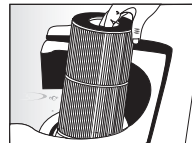
**!** This is not a toy. For sanitizing hot tubs only!

@ease® is the hot tub sanitizing system\* that takes the guess work out of water care so you always feel at ease while enjoying your hot tub.

## Step 1: Prepare the Hot Tub

**1.**  Fill hot tub with fresh water. If using source water that is high in iron or other metals, see your dealer before filling the hot tub. It may require the use of a metal control product.


**If previously using bromine** and switching to @ease SmartChlor, you must drain and refill your hot tub before using this product. **If previously using dichlor** you may convert to SmartChlor without having to drain the hot tub.

**2.**  Clean or replace filter cartridges when dirty (Follow manufacturer's instructions).

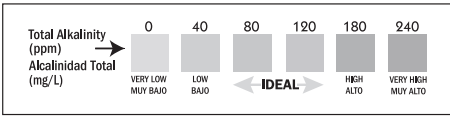
**3.** Balance water by following STEPS a - d in order.

**IMPORTANT:** Always follow printed instructions on the balancing chemical packages. Add balancing chemicals in small increments one at a time with the jets on and wait 6 hours before testing again and adding any additional balancing chemicals.

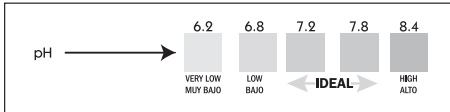
Water Balance Guidelines	
pH:	7.2 - 7.8
Total Alkalinity:	80 - 120 ppm
Calcium Hardness:	150 - 250 ppm
Total Dissolved Solids:	<1500

**a.** Take a water sample from the hot tub and dip an @ease Test Strip into it. 

**b.** Look at the **Total Alkalinity** reading first. Adjustments should be made to bring the Total Alkalinity in the **range of 80 - 120 ppm** prior to making any adjustments to pH even if it throws pH off further.




**c.** After Total Alkalinity is in range, **test for pH**. It should be **between 7.2 and 7.8**. If higher or lower, add a pH adjuster.



**d.** Lastly **test for Calcium Hardness**. It should be **between 150 and 250 ppm**. If higher, partially drain the hot tub (about 6 inches) and fill with water low in calcium. If lower, add Calcium Increaser.

**If balancing takes longer than 2 days shock the water and maintain a chlorine level while continuing balancing.**

**4.**  **Very Important!** Before using cartridges, establish an initial residual of 0.5 - 1.0 ppm free chlorine with FROG® Jump Start® start-up shock, included in this package, that quickly dissolves with an effervescent fizzing action - one packet per 500 gallons.

**5.** Heat water to the manufacturer's recommended temperature.

**6.** Begin routine hot tub care (see Step 3: Routine Hot Tub Care) as soon as hot tub is prepared.

### @ease Mineral Cartridge

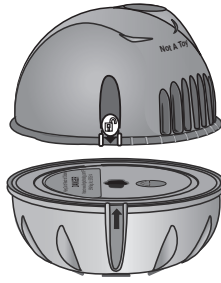
**DIRECTIONS FOR USE:** For use in hot tubs up to 600 gallons. Use with the @ease SmartChlor Cartridge. Ensure all hot tub equipment is working properly. Operate the pump and filter for at least 3 hours per day. Clean filter following manufacturer's directions. May be used with a previously filled hot tub unless it was sanitized with bromine. Then drain and fill the hot tub with fresh water. **Start-up:** Balance the water according to the water balance guidelines with pH between 7.2 - 7.8 and total alkalinity at 80 to 120 ppm. Establish a free chlorine residual of 0.5 to 1.0 ppm in the hot tub with FROG Jump Start start-up shock or an EPA approved hot tub chlorine shock following the directions for that product. When using other products as outlined in directions for this product, always follow directions on those products.

**To assemble:** **1.** Remove outer packaging. **2.** Peel off protective seal from the flat part of the @ease SmartChlor Cartridge. **3.** Align arrows on blue mineral cartridge and silver chlorine cartridge. **4.** Push together and twist to lock. **5.** Set the dial on the chlorine cartridge (see Setting Chart in manual). **6.** Place entire system in the hot tub water. **7.** Shock the hot tub when replacing an @ease SmartChlor Cartridge or once a month.

**Replacing the Cartridges:** Replace the @ease SmartChlor Cartridge when the system flips over. Follow label directions carefully. After four months or when draining and refilling the hot tub, replace the @ease System.

**Active Ingredient:** Silver Chloride .....0.5%  
Other Ingredients: .....99.5%  
**Total:** .....100.0%  
**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**  
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

## Step 2: Put the System To Work



TOP HALF (Blue)  
@ease Mineral Cartridge

BOTTOM HALF (Silver)  
@ease SmartChlor Cartridge

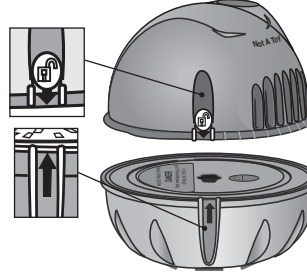
The @ease Floating System has two replaceable cartridges.


Blue = Mineral Cartridge  
Silver = SmartChlor Cartridge

The combination provides the Fresh Mineral Water benefits of cleaner, clearer and softer water that's easier to take care of.

Simply follow these easy steps:


**1.**  Remove outer packaging from the SmartChlor Cartridge.

**2.**  Line up arrows on both cartridges, push together to lock.

**3.**  Setting # on the @ease SmartChlor Cartridge

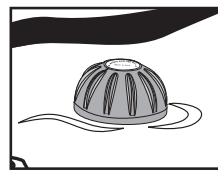
Setting Chart	
Gallons	Setting #
200	1
300	2
400	2
500	3
600	4

Twist the dial on the SmartChlor Cartridge to the setting number for your hot tub. (See chart based on gallons).

**4.**  Toss into the hot tub. It will float in the water at a slight tilt.  
If you like, remove @ease from the spa while soaking. Lift out @ease and let drain into the hot tub. Place on any surface not susceptible to chlorine bleaching. Remember to return it to the hot tub afterwards.

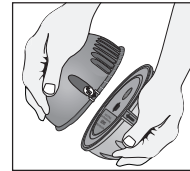
## Replacing SmartChlor Cartridges:

When the @ease Floating System flips completely over, remove the Silver SmartChlor cartridge.



SmartChlor cartridge will last about 3-4 weeks/400 gallon hot tub.

Floating System naturally lists in the water. To check if SmartChlor is empty, lift up and drain all water from the system, then replace in the hot tub and see if it flips completely.



Detach chlorine cartridge by twisting to align with "unlock" arrow and pull apart.

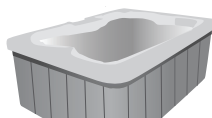
Attach new cartridge (see Step 2: Put the System to Work)





Recycle empty cartridge or discard in trash.

**Note:** If the chlorine cartridge still contains a small amount after detaching, place in hot tub to float on its own until empty. Do not let it sink to bottom as it may bleach hot tub surface.

## Step 3: Routine Hot Tub Care

**1.**  Drain and refill hot tub as directed by your hot tub manufacturer or every four months when FROG minerals need to be replaced.

**2.**  Run filtration system as recommended by your hot tub manufacturer.


**3.**  Regularly test water with @ease Test Strips and follow directions in Step 1 for maintaining pH, Total Alkalinity and Calcium Hardness.


**NOTE:** pH is affected by bather load, chemicals used, evaporation and the make-up of your source water so maintaining water balance regularly is important.

**4.** SmartChlor will maintain 0.5-1.0 ppm free chlorine level as long as the water is balanced.

**NOTE: Free Chlorine levels are reduced up to 75%\* when using @ease Minerals.**

**NOTE:** Why @ease Test Strips? The SmartChlor cartridge forms a chlorine reserve that will be inaccurately measured as total chlorine on other test strips. Unlike conventional chlorine, the SmartChlor reserve readily shifts to free chlorine as needed, maintaining spa health with a low level of chlorine.

**5.**  Shock the hot tub with a non-chlorine shock when you replace the SmartChlor Cartridge or once a month.

**6.**  Replace the SmartChlor cartridge when the system flips over and the complete @ease Floating System as directed.

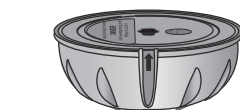
## Troubleshooting

### • Cloudy Water or Low-Chlorine Levels

• Check water balance. pH and Total Alkalinity need to be in the proper ranges for the @ease Floating System to work correctly.

• Check SmartChlor Cartridge and replace if empty—see instructions under "Replacing SmartChlor Cartridges".

• Check your calendar. The entire @ease Floating System, including the mineral cartridge, needs to be replaced every four months. Without the minerals, SmartChlor will not be enough to sanitize the hot tub.



### • High Chlorine Levels



• This is highly unlikely with @ease because SmartChlor is self-regulating. However, if you use standard test strips, it may appear that total chlorine is higher than the free chlorine.

No worries—the strip is measuring the SmartChlor reserve, which will shift to free chlorine as needed. Please always use the @ease Test Strips that were included with your System.

Learn more at [www.FrogProducts.com](http://www.FrogProducts.com) or call 800.222.0169

+ @ease System consists of the FROG minerals silver chloride and carbonate used with 0.5 ppm of @ease SmartChlor Cartridge. The @ease Mineral Cartridge (EPA Reg. No. 53735-11) must be used in conjunction with the @ease SmartChlor Cartridge (EPA Reg. No. 53735-14).

\* Compared to the minimum ANSI recommended chlorine level of 2.0 ppm for a hot tub.



Manufactured by: King Technology, Inc.  
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952-933-6118 • Customer Service 800-222-0169  
FAX 952-933-2206 [www.FrogProducts.com](http://www.FrogProducts.com)

Register your @ease Floating Sanitizing System at [FrogProducts.com](http://FrogProducts.com)

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