

**OPERATING INSTRUCTIONS** 



Congratulations! Your spa came with a complete, mineral and bromine disinfecting system. When using the unique SPA FROG® Mineral Cartridge with the exclusive SPA FROG® Bromine Cartridge, you'll eniov your spa more with LESS WORK and LESS BROMINE.

#### Less Work Because:

- Minerals continuously work to control bacteria for
- Cartridges last longer to eliminate daily maintenance.
- Cartridges are pre-filled for no measuring or mess.
- Simply adjust to your setting and relax for weeks.

#### Less Bromine Because:

- With minerals in the water, bromine use is cut by up to 50%.\*
- Bromine lasts longer: 2-4 weeks on a 350 gallon spa with average use.
- · With minerals and low levels of bromine, the water feels softer.
- The system reduces odors and leaves the water crystal clear.
- SPA FROG has the only minerals that work with bromine. You're going to love your SPA FROG System. If you have any questions, contact our customer service representatives at 800-222-0169.

\*Compared to the minimum ANSI recommended bromine level of 2.0 ppm in a spa.

#### Regular Spa Care



1. Run filtration system as recommended by your spa manufacturer.





ppm bromine level at all



directed under "Replacing Cartridges." Covered by one or more of the following patents: U.S. Patent Numbers D497,406; D502,984; 6,217,892; 6,383,507;

4. Shock the spa once

Additional shocking may be required if the spa is under

heavy use. This is often the case when the spa is new.

5. Remember to replace

Cartridge and SPA FROG®

SPA FROG® Mineral

Bromine Cartridge as

a week or as needed.

6,551,609; 6,652,871; 7,059,540; 7,060,190 and other U.S. and Foreign Patents Pending #20-48-0157 E112106553030843R6N

EPA Est. No. 071209-AZ-001

### Spa Start Up

- Always drain and refill spa at least every 4 months.
- · Clean and replace filter cartridges when dirty (Follow manufacturer's instructions).

Total Alkalinity:

Free Bromine:

Calcium Hardness:

Total Dissolved Solids: <1500

when used with FROG minerals

NOTE: Bromine levels are lower only

WATER BALANCE GUIDELINES

7.2 - 7.8

150-400

80 - 180 ppm

1.0 - 2.0 ppm

- · Balance water according to the chart.
- Heat water to recommended temperature before using cartridges.
- Very Important! Before using cartridges, establish an

initial residual of 1.0 – 2.0 ppm bromine or chlorine with a granular Brominating Concentrate (which typically contains 85% sodium dichlor (chlorine) and 15% sodium bromide) OR a chlorine shock. DO NOT use a nonchlorine shock. Use the appropriate bromine or chlorine test strips or kit and follow manufacturer's instructions.

 Begin Regular Spa Care procedures as soon as start up is complete.

# **Setting Cartridges**

Set the blue mineral cartridge to wide

open on #6 by holding the bottom and turning the top until the number 6 appears in the setting window. No further adjustments are necessary.

· With a freshly filled spa, initially set the yellow bromine cartridge on #5 for the first 24 hours

**ONLY**. Then the first week or so, before each use, test the water and adjust cartridge by 1 setting per day until the bromine stabilizes to at least 1.0 ppm.

\*Brominating Concentrate™ is a registered trademark of Bio-Lab, a Chemtura Company.

## Using the Floating System

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KING TECHNOLOGY. INC.

 Insert both cartridges into the green floating holder by pushing them into the openings until they stay in place.

**SETTING** 

WINDOW

 Let the SPA FROG® Floating System free-

float in the spa. When

using the

spa, simply remove the SPA FROG® System, drain most of

the water into the spa and set on the side of the spa inverted so all excess water drains into the holder.

 REMEMBER TO REPLACE IT IN THE WATER WHEN FINISHED USING SPA!

### **Replacing Cartridges**

- The SPA FROG® Mineral Cartridge must be replaced every 4 months. After four months of use, or when draining and refilling the spa with fresh water, discard SPA FROG® Mineral Cartridge in trash even if, upon shaking, it appears there is spent media left inside. Once wetted the time released minerals in the cartridge are effective up to four months. Do not attempt to reuse the product once removed from the spa. For ease in remembering to replace, mark your calendar with the reminder stickers provided with the product.
- Replace the SPA FROG® Bromine Cartridge when empty. Drain water to ensure cartridge is empty then discard in trash. The cartridge life will vary depending on spa size and number of users. Once your usage is determined, mark the calendar with enclosed reminder stickers.



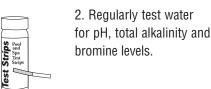


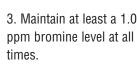












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REUSABLE HOLDER

E CARTRIDGES









