

# **FROG Leap Anti-Bac Mineral Pac™ Patented Mineral Pool Disinfectant Operational Instructions**

**CHLORINE LASTS  
2X  
LONGER  
WITH FROG MINERAL SYSTEMS<sup>+</sup>**



**25%  
MORE  
Water Polishers**

**REPLACE EVERY 6 MONTHS OR AFTER ONE POOL SEASON, WHICHEVER IS SHORTER.**

+FROG LEAP Mineral System consists of the FROG LEAP minerals silver chloride and carbonate used in conjunction with 0.5 ppm chlorine. The FROG LEAP Anti-Bac Mineral Pac must be used in conjunction with the FROG LEAP Torpedo Pac (EPA Reg. No.: 53735-2), an EPA registered chlorine pool product or a chlorine delivery device.

# Swimming Pool Tips



1. Make sure the pool has adequate circulation. The pool water must completely circulate through the pump and filter at least 1 to 2 times per day. This usually requires 8 to 12 hours. Check with your dealer for the proper circulation time for your pool.

2. Before beginning with any pool care program, you must first balance your pool water. Take a water sample to your local pool professional who will test for the following important elements.

## Water Balance Guidelines

- pH:** 7.2 – 7.8
- Total Alkalinity:** 60 – 120 ppm
- Calcium Hardness:** 150 – 400
- Total Dissolved Solids:** <1500
- Stabilizer:** 20 – 80 ppm
- Free Chlorine:** 0.5 – 1.0 ppm

3. If your fill water is high in metals, use a sequestering agent or metal out at start-up only before using a FROG Leap Anti-Bac Mineral Pac. See your local dealer for details on using these products and always follow manufacturers' directions carefully.


4. After your pool is up and running smoothly, continue to test your water for pH, total alkalinity and chlorine with FROG Brand Test Strips and maintain its balance by adding any necessary adjustment products (see your dealer for details).




5. Check the pool's filter gauge often and periodically clean filter per the manufacturer's directions. A dirty filter will slow the flow of water which could hamper proper circulation.





## Start-up and Operation - FROG Leap Anti-Bac Mineral Pac now with 25% More Water Polishers for easier start up.


**1.**  Add a stabilizer or conditioner to the pool at the beginning of the season if the stabilizer level is below 20 ppm. This will prevent chlorine burn off. Follow manufacturer's directions carefully.

**2.**  Install an FROG Leap Anti-Bac Mineral Pac into the FROG Leap Infuzer or POOL FROG Cyclor (see page 3 for directions). **REPLACE THE FROG LEAP ANTI-BAC MINERAL PAC EVERY 6 MONTHS OR AFTER ONE POOL SEASON WHICHEVER IS SHORTER.** Replace cap and run with FROG Leap Anti-Bac Mineral Pac inserted, for 10 minutes at Setting 5.

**3.**  Shock the pool with FROG Leap Depth Charge to rid the water of contaminants (see page 4 for directions).

**4.**  Create a chlorine residual with FROG Leap Reveille or a chlorine shock (see page 4 for FROG Leap Reveille directions). **THIS STEP IS VERY IMPORTANT TO START-UP.** Always begin with chlorine in the pool water.

**5.**  For a 90 day algae protection guarantee, insert FROG Leap ALL-OUT into FROG Leap Anti-Bac Mineral Pac in FROG Leap Infuzer or POOL FROG Cyclor (see page 4 for directions).

**6.**  When chlorine reading is down to 1.0 ppm, which may take a few days, insert FROG Leap Torpedo Pac (see page 4 for directions).



If using standard chlorine shock do not add in or near the skimmer or into the FROG Leap Infuzer or POOL FROG Cyclor as it could damage equipment, risk potential explosion or discolor your pool surface.

**7. SETTING CONTROL DIAL** Set control dial by matching up the parameters of your pool on the charts below. **THIS IS A STARTING POINT ONLY** and may need to be adjusted to fit your individual pool needs. See #8 for directions.

Above Ground POOL SIZE		8 HOUR PUMP RUN TIME				12 HOUR PUMP RUN TIME				24 HOUR PUMP RUN TIME			
		PUMP SIZE				PUMP SIZE				PUMP SIZE			
Gallons	Diameter	1/2 hp	3/4 hp	1 hp	1 1/2 hp	1/2 hp	3/4 hp	1 hp	1 1/2 hp	1/2 hp	3/4 hp	1 hp	1 1/2 hp
7,000	(18')	5.0	4.5	4.0	3.5	4.5	4.0	3.0	5.0*	3.5	3.0	2.5	4.0*
9,000	(21')	5.5	5.0	4.4	4.0	5.0	4.5	4.0	5.5*	4.0	3.5	3.0	4.5*
12,000	(24')	6.0	5.5	5.0	4.5	5.5	5.0	4.5	4.0	4.5	4.0	3.5	5.0*
15,000		NR	6.0	5.5	5.0	6.0	5.5	5.0	4.5	5.0	4.5	4.0	3.5
20,000		NR	NR	6.0	5.5	NR	6.0	5.5	5.0	5.5	5.0	4.4	4.0

\* - Bypass installation recommended.

NR - This pump size is not recommended for this size pool.

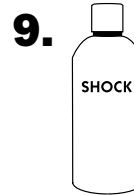


**8.** For the first week test the pool water daily for free chlorine with FROG Brand Test Strips to ensure correct dial setting. Continue to test weekly throughout the season.

After testing, adjust the dial up by 1/2 increment if the free chlorine reading has dropped below 0.5 ppm or down by 1/2 increment if the reading has risen above 1.0 ppm. Continue this process each day until the color on the test strip matches the ideal FROG range of 0.5 ppm to 1.0 ppm chlorine.



Remember to adjust dial by 1/2 increments only, in order to prevent over chlorination which may bleach pool surfaces.



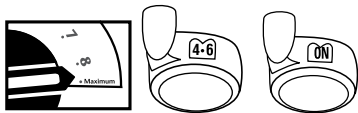
**9.** Shock pool every two weeks or as needed to maintain water quality. Follow label directions on the shock treatment used.



Do not add shock in or near the skimmer or into the FROG Leap Infuser or POOL FROG Cyclor as it could damage equipment, risk potential explosion or discolor your pool surface.

**If using another means of chlorine - Follow steps 1-5 on Start-up and Operation and then continue below.**

**6.**

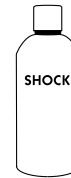


Maintain setting of Maximum, Setting 5 or ON depending on the model. No adjustments needed.

**7.**

Maintain a minimum chlorine reading of 0.5 ppm with a chlorine delivery device or hand feeding.

**8.**



Shock pool every two weeks or as needed to maintain water quality. Follow label directions on the shock treatment used.



Do not add shock in or near the skimmer or into the FROG Leap Infuser or POOL FROG Cyclor as it could damage equipment, risk potential explosion or discolor your pool surface.

**How To Replace the FROG Leap™ Components.**

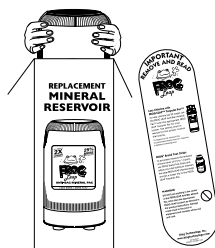
**Replacing FROG Leap Anti-Bac Mineral Pac**

**1.**

Make sure you have the correct FROG Leap Anti-Bac Mineral Pac to fit your FROG Leap Infuser or POOL FROG Cyclor. Series 7800 for use in FROG Leap Infuser Model 7800 and POOL FROG Cyclor Models 4500, 5100, 5200, 6100, 6500.

**THE FROG LEAP ANTI-BAC MINERAL PAC MUST BE REPLACED EVERY 6 MONTHS OR AFTER ONE POOL SEASON, WHICHEVER IS SHORTER.**

**2.**



**IMPORTANT:** Remove and read the inserted information card.

**CAUTION read carefully.**

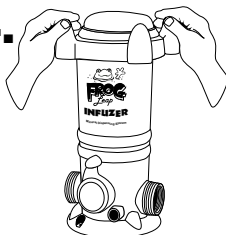
Use ONLY the factory recommended FROG Leap Anti-Bac Mineral Pac, FROG Leap ALL-OUT, FROG Leap Depth Charge, FROG Leap Reveille and FROG Leap Torpedo Pac. DO NOT USE bulk chemical tablets or any other pac in the cyclor. Use of any other product could result in damage to pool equipment or surface, unsafe pool conditions, fire or explosion. Warranty will be VOID if the correct FROG Leap Anti-Bac Mineral Pac, FROG Leap ALL-OUT, FROG Leap Depth Charge, FROG Leap Reveille and FROG Leap Torpedo Pac are not used.



**3.**

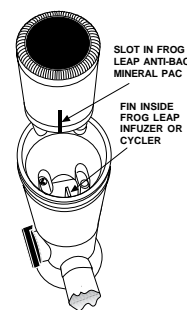
Turn off pump and turn dial to Pac Removal, Setting 0 or OFF depending on the model.

**4.**



Open cap. If using FROG Leap Torpedo Pac stand back to avoid inhaling chlorine fumes.

**5.**

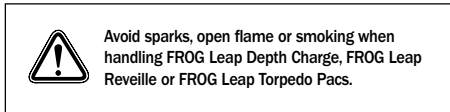
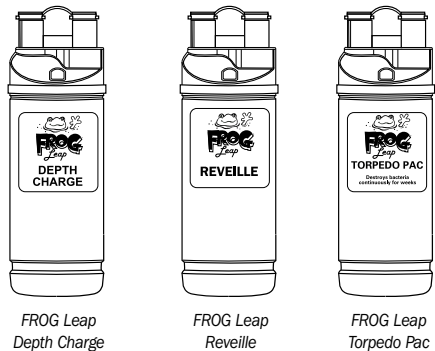


Find slot on side of FROG Leap Anti-Bac Mineral Pac and line up with fin inside the FROG Leap Infuser or POOL FROG Cyclor. Lower FROG Leap Anti-Bac Mineral Pac until secure.

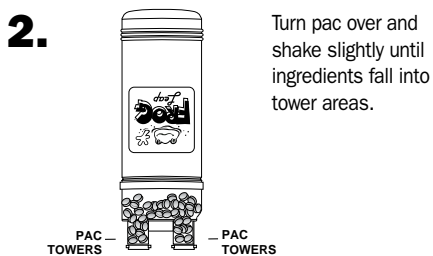
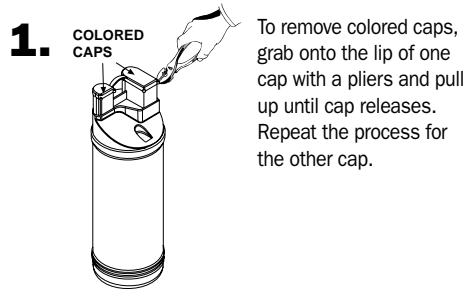
**6.**

Mark your calendar for the six month replacement of the FROG Leap Anti-Bac Mineral Pac and approximate replacement times for the FROG Leap Torpedo Pac. **Once wetted, the time-released mineral coating of this product is effective up to 6 consecutive months or one pool season whichever is shorter. After that time even if you hear the spent media inside it is no longer effective and must be replaced.**

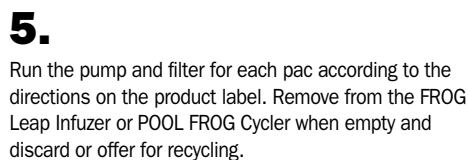
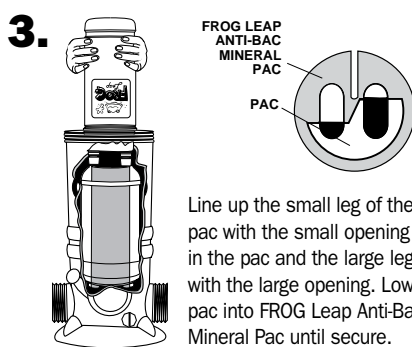
## Replacing FROG Leap Depth Charge™, FROG Leap Reveille™ or FROG Leap Torpedo Pac™



FROG Leap Depth Charge is a one time start-up product used to rid the water of contaminants. FROG Leap Reveille - also used at start up, sets the chlorine residual to help find the proper dial setting for maintaining up to 50%\* less chlorine while using the FROG Leap Torpedo Pacs (EPA Reg. No.: 53735-2). All three products sold separately.

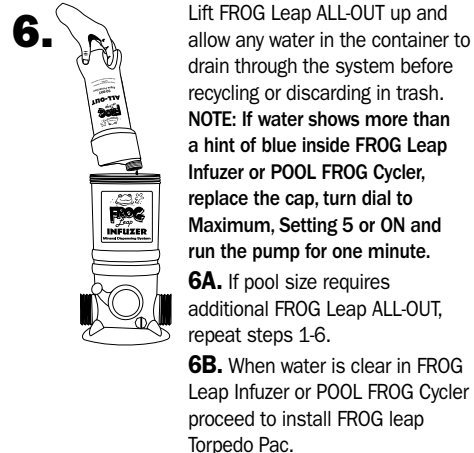
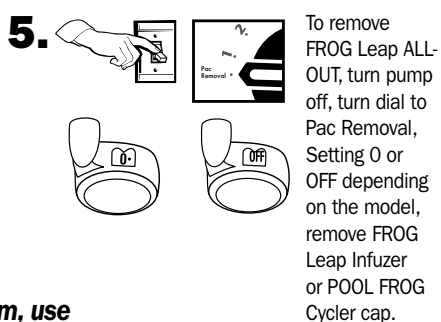
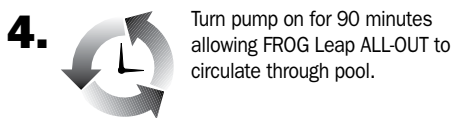
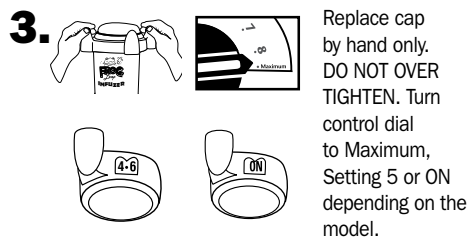
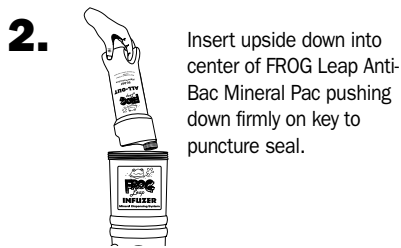


The pacs are made of HDPE plastic. Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Rinse thoroughly before recycling or discarding in trash.



## Replacing FROG Leap ALL-OUT™ For a preventative dose, add one FROG Leap ALL-OUT for pools up to 15,000 gallons or two FROG Leap ALL-OUT for pools between 15,000 and 30,000 gallons.

See FROG Leap ALL-OUT product labeling for complete directions for use (EPA Reg. No.: 53735-9).



**For an easy two-step pool closing-program, use FROG Leap Depth Charge and FROG Leap ALL-OUT following the directions above.**

U.S. Patents 6,210,566; 6,217,892; 6,383,507; 6,544,415; 6,551,609; 6,652,871 and other U.S. and Foreign Patents Pending.  
EPA Reg. No.: 53735-11 EPA Est. No.: 071209-AZ-001  
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\*Compared to the minimum EPA recommended chlorine level of 1.0 ppm for a stabilized swimming pool.

**KING TECHNOLOGY, INC.**

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