



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



FROG Leap® Anti-Bac Mineral Pac®

Patented Mineral Pool Disinfectant
Operational Instructions



FROG Sanitizing Minerals® with up to 50% less chlorine* creates Fresh Mineral Water® that provides the benefits of cleaner, clearer and softer water that's easier to take care of. The water feels soft and doesn't fade swimsuits, damage equipment or create smelly odors.

Step 1: Preparing the Pool



1. Make sure the pool has adequate circulation. The total volume of 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 of circulation. Check with your dealer for the proper circulation time for your pool.



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



3. Check the Total Hardness of your fill water before adding to the pool. If using source water that is high in iron or other metals, see your dealer before filling or topping off the pool. It may require the use of a metal control product.

4. Before beginning with any pool care program, you must first balance your pool water. At spring start-up always circulate the water for at least 24 hours before testing it. Take a water sample to your local pool professional or use a complete test kit that will test for the important Water Balance Guidelines.

Our recommendation for achieving water balance is to follow steps **4a through 4e** in order.

IMPORTANT: Always follow printed instructions on the balancing chemical packages. Add balancing chemicals in small increments one at a time with circulation running; wait 8-12 hours before testing again and adding any additional balancing chemicals.

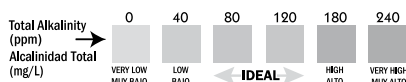
Water Balance Guidelines

pH:	7.2 – 7.8
Total Alkalinity:	80 – 120 ppm
Total Hardness:	200 – 400
Total Dissolved Solids:	<1500
Stabilizer/Conditioner:	20 – 80 ppm
Free Chlorine:	0.5 – 1.0 ppm

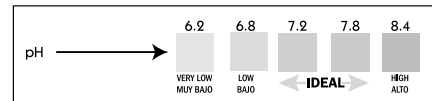
4a. Take a water sample from the pool and dip a FROG® Test Strip into it.



4b. 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.



4c. 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.



4d. Then test your **Total Hardness** again. It should be between **200 and 400 ppm**. If lower than 200 ppm, add Hardness Increaser.

4e. Lastly test for **Stabilizer or Conditioner levels**. Add Conditioner if the level is below 20 ppm. This will prevent chlorine burn off. If stabilizer level is above 80 ppm, partially drain water and refill.

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

5. If you haven't already added a shock during balancing, shock the pool with an EPA registered chlorine shock to rid the water of contaminants. and establish a chlorine residual.

Follow manufacturer's directions carefully.

NOTE: THIS STEP IS VERY IMPORTANT TO START-UP. USE CHLORINE SHOCK ONLY.



IMPORTANT

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

• Never add any types of chlorine, pH adjusters, shock treatments or algaecides through the skimmer. These products should be added directly into the pool if required.

• Never use fast dissolving chlorine tablets, liquid bleach or calcium hypochlorite in the FROG Leap Infuser.

Step 2: Putting the System to Work



FROG Leap Twin® Mineral Infuser

FROG Leap Twin Chlorine Infuser

1. Install a FROG Leap Anti-Bac Mineral Pac into the FROG Leap Infuser. (See page 3 for directions.)

REPLACE FROG LEAP ANTI-BAC MINERAL PAC EVERY 6 MONTHS OR AFTER ONE POOL SEASON WHICHEVER IS SHORTER. AFTER THAT TIME, YOU WILL HEAR THE SPENT MEDIA INSIDE, HOWEVER IT IS NO LONGER EFFECTIVE AND MUST BE REPLACED.

2. Replace cap and run FROG Leap Infuser, with FROG Leap Anti-Bac Mineral Pac inserted, for 10 minutes on the highest setting.



3. Dispense FROG Leap Depth Charge® through the FROG Leap Anti-Bac Mineral Pac to rid the water of all contaminants. (See page 3 for directions.)



4. Dispense FROG Leap Reveille® through the FROG Leap Anti-Bac Mineral Pac to create an initial chlorine residual (see page 3 for 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 Infuser or Mineral Infuser. (See page 4 for directions.)

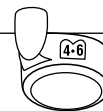


6. When chlorine reading is down to 1.0 ppm, which may take a few days, insert FROG Leap Torpedo Pac®. (See page 4 for directions.)

Step 3: Setting the Control Dial

This system is designed to work effectively with a variety of pool equipment as long as the basic procedures below are followed.

1. 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 #2 for directions.



IMPORTANT: Pump run times of at least 6 hours per day at high speed are recommended for proper performance. If running low speed only or on high speed less than 6 hours, please follow the 24 Hour Low Speed directions below.

^ - Bypass installation recommended.

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

25K Gallons		8 HOUR PUMP-RUN TIME				12 HOUR PUMP-RUN TIME				24 HOUR PUMP-RUN TIME			
Gallons	Diameter	PUMP SIZE				PUMP SIZE				PUMP SIZE			
		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	4.5	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	6.0	4.5	4.0	3.5	5.0^
15,000		NR	6.0	5.5	5.0	6.0	5.5	5.0	6.5	5.0	4.5	4.0	5.0
20,000		NR	NR	6.0	5.5	NR	6.0	5.5	7.0	5.5	5.0	4.5	6.0
25,000		NR	NR	6.5	6.0	NR	6.5	6.0	7.5	6.0	5.5	5.0	7.0

40K Gallons		8 HOUR PUMP-RUN TIME				12 HOUR PUMP-RUN TIME				24 HOUR PUMP-RUN TIME			
Gallons	Diameter	PUMP SIZE				PUMP SIZE				PUMP SIZE			
		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')	4.0	3.5	3.0	2.5	2.0	1.5	0.5	2.5^	1.0	0.5	0.5	1.5^
9,000	(21')	4.5	4.0	3.5	3.0	2.5	2.0	1.5	3.0^	1.5	1.0	0.5	2.0^
12,000	(24')	5.0	4.5	4.0	3.5	3.0	2.5	2.0	3.5	2.0	1.5	1.0	2.5^
15,000		NR	5.0	4.5	4.0	3.5	3.0	2.5	4.0	2.5	2.0	1.5	3.0
20,000		NR	NR	5.0	4.5	4.0	3.5	3.0	4.5	3.0	2.5	2.0	3.5
25,000		NR	NR	5.5	5.0	4.5	4.0	3.5	5.0	3.5	3.0	2.5	4.0
30,000		NR	NR	6.0	5.0	NR	5.5	5.0	5.5	4.5	4.0	3.5	5.0
35,000		NR	NR	7.0	6.0	NR	6.5	5.5	6.5	5.5	4.5	4.0	6.0
40,000		NR	NR	NR	7.0	NR	NR	6.5	7.5	6.5	5.5	4.5	7.0

24 HOUR, LOW SPEED PUMP RUN TIME

In order to ensure proper performance when running on low speed for 24 hours per day or high speed less than 6 hours per day, bleed the air while the pump is on by unscrewing the cap knob until water appears. Then screw the knob back on. Repeat this process each time the cap is removed for any reason. Set the control dial at #6 and follow the adjustment directions in Step 2 to determine the correct setting for your pool.

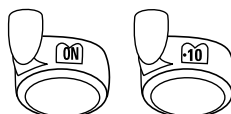


2. For the first week test the pool water daily for free chlorine with FROG Test Strips to ensure correct dial setting. Continue to test weekly throughout the season.



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.



If using another means of chlorine set the FROG Leap Infuzer(s) to the highest setting. Maintain a minimum chlorine reading of 0.5 ppm with a chlorine delivery device or hand feeding.

Step 4: Routine Pool Care



1. Run filtration system enough hours to circulate all water 1 to 2 times per day. More than that could result in over chlorination.



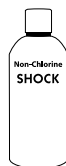
2. Regularly test water with FROG Test Strips to maintain pH and Total Alkalinity.

Note: Water balance is affected by bather load, chemical usage, evaporation and the makeup of source water, so maintaining water balance regularly is important.



3. Maintain 0.5 to 1.0 ppm free chlorine level at all times.

Note: These lower chlorine levels are only acceptable when using FROG Leap minerals.



4. Shock the pool every other week or as needed. We recommend a non-chlorine shock as reducing chlorine use is the goal of FROG Leap products. However, using a chlorine shock is OK too. Additional shocking may be required if the pool is under heavy use, high heat or rain.



5. Before closing the pool for the winter, use FROG Leap Pool Hibernation® following the same directions as FROG Leap Pool Wake Up!® on page 3.

6. Remember to replace FROG Leap Anti-Bac Mineral Pac and all other FROG Leap replacements as directed.



Replacing a 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.

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

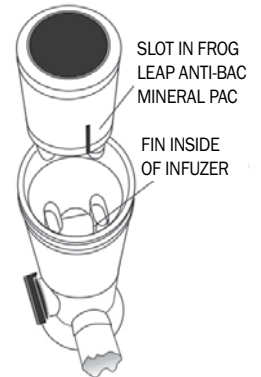
2. IMPORTANT: Remove and read the inserted information card.



3. Turn off pump and turn dial to the lowest setting.

4. Open cap. If using a 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 Mineral Infuser of FROG Leap Twin. Lower FROG Leap Anti-Bac Mineral Pac into FROG Leap Infuser OR FROG Leap Twin Mineral Infuser until secure.



FROG Leap Twin Mineral Infuser FROG Leap Twin Chlorine Infuser

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



IMPORTANT

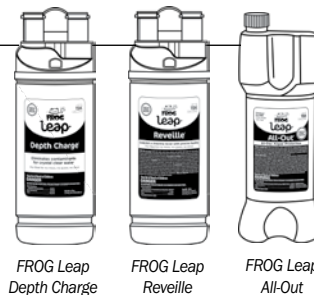
USE ONLY the factory recommended replacement FROG Leap Anti-Bac Mineral Pac, FROG Leap All-Out, FROG Leap Torpedo Pac and FROG Leap Pool Wake Up!/FROG Leap Pool Hibernation. DO NOT USE any other pac or bulk chemical tablets in the FROG Leap Infuser or put anything inside other than the appropriate FROG Leap products as directed in the product instructions. Use of any other product could result in damage to pool equipment or surfaces, fire or explosion. Warranty will be void if the correct FROG Leap products are not used.

Using FROG Leap® Pool Wake Up!®

FROG Leap Depth Charge is a one time start-up product used to rid the water of contaminants.

FROG Leap Reveille sets the initial chlorine residual to help find the proper dial setting for maintaining up to 50% less chlorine.*

FROG Leap All-Out offers a 90-day Algae Protection Guarantee.



FROG Leap Depth Charge FROG Leap Reveille FROG Leap All-Out



IMPORTANT

Avoid sparks, open flame or smoking when handling FROG Leap Depth Charge and FROG Leap Reveille.

Start by using FROG Leap Depth Charge first.



1. To remove colored caps, grab onto the lip of one cap with a pliers and pull up until cap releases. Repeat the process for the other cap.



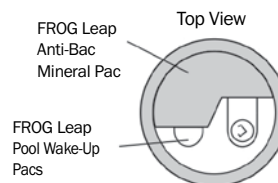
Pac Towers - Pac Towers

2. Turn pac over and shake slightly until ingredients fall into tower areas.

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



3. Line up the small leg of the pac with the small opening in the FROG Leap Anti-Bac Mineral Pac and the large leg with the large opening. Lower pac into FROG Leap Anti-Bac Mineral Pac until secure.



4. Replace cap by hand only.

DO NOT OVER TIGHTEN.

Turn control dial on the FROG Leap Infuser to the highest setting.



5. Run the pump and filter for each pac according to the directions on the product label. Remove from the FROG Leap Infuser when empty and discard or offer for recycling if available.

6. Repeat steps 1 through 5 for FROG Leap Reveille.

Using FROG Leap® All-Out®

For a preventive dose add:

- One FROG Leap All-Out for pools up to 15,000 gallons
- Two FROG Leap All-Out for pools between 15,000 and 30,000 gallons.

1. Remove cap from FROG Leap All-Out without removing seal.



2. Insert upside down into center of FROG Leap Anti-Bac Mineral Pac pushing down firmly on FROG Leap All-Out bottle allowing key in the FROG Leap Infuser to puncture seal.

3. Replace cap by hand only. DO NOT OVER TIGHTEN. Turn control dial to the highest setting.

4. Turn pump on for 90 minutes allowing FROG Leap All-Out to circulate through pool.



5. To remove, turn pump off, turn dial to lowest setting and remove cap. Lift FROG Leap All-Out up to allow any water in the container to drain through the FROG Leap Infuser before discarding in trash or offering for recycling if available.

If pool size requires additional FROG Leap All-Out, repeat steps 1-5. Mark your calendar for the 90-day replacement of FROG Leap All-Out.

See FROG Leap All-Out product labeling for complete directions for use.

Using the Chlorine Pacs



FROG Leap Torpedo Pac 2 lb. for use in the FROG Leap Infuser



FROG Leap Torpedo Pac 4 lb. for use in the FROG Leap Twin Chlorine Infuser



IMPORTANT

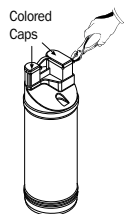
Avoid sparks, open flame or smoking when handling a chlorine pac.

1. Turn pump off. Turn control dial to lowest setting. Remove cap from FROG Leap Infuser and stand back to let any chlorine fumes dissipate.

2. OPEN PAC

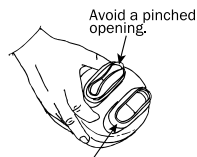
2a. FROG Leap Torpedo Pac 2 lb.

To remove colored caps, grab onto the lip of one cap with a pliers and pull up until cap releases. Repeat the process for the other cap.



2b. FROG Leap Torpedo Pac 4 lb.

Find the indent in the plastic handle and cut using a 2" PVC cutter. Make sure the blade comes straight across on the indent line for a clean cut. If openings are pinched together, open with fingers or re-cut closer to the colored screens inside the FROG Leap Torpedo Pac. Leave at least 1/4" of plastic to fit into the FROG Leap Infuser.



A correct oval opening.

- 2c. Invert FROG Leap Torpedo Pac and shake slightly until chlorine tablets fall into tower areas.



2 lb. Torpedo Pac Towers

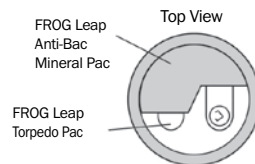


4 lb. Torpedo Pac Towers

3. INSERT PAC INTO FROG LEAP INFUSER

3a. FROG Leap Torpedo Pac 2 lbs.

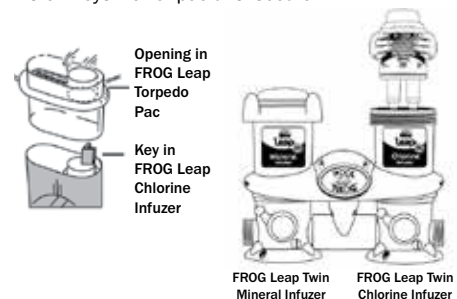
Line up small leg with small opening in FROG Leap Anti-Bac Mineral Pac, and large leg with large opening. Lower pac until secure.



3b. FROG Leap Torpedo Pac 4 lbs.

Line up the openings in the pacs with the keys in the FROG Leap Twin Chlorine Infuser.

Note: Openings are a different shape than keys. Lower pac until secure.



4. Replace cap by hand only. Do not over tighten.



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



6. Once you know how long your pacs last, mark your calendar for approximate replacement time for the FROG Leap Torpedo Pac.

Troubleshooting [Learn more at frogproducts.com](http://frogproducts.com) or call 1-800-222-0169

Cloudy Water or Low Chlorine Levels

- Check water balance. Ensure pH, Total Alkalinity, Total Hardness and Stabilizer levels are correct.
- Check FROG Leap Torpedo Pac. If empty, replace following directions on the label.
- Make sure your FROG Leap Anti-Bac Mineral Pac is not older than 6 months as it will be ineffective and more chlorine will be required to maintain the pool until you replace the FROG Leap Anti-Bac Mineral Pac.
- Turn the FROG Leap Infuser dial up or run your pump longer per day to increase chlorine output.
- Shock the pool to regain clarity.

High Chlorine Levels

- Remove the chlorine pac from the FROG Leap Infuser until the chlorine level is down to 1.0 ppm.
- Lower the dial setting on the FROG Leap Infuser by 1 number.
- Test in 24 hours. Repeat process until chlorine level stays within 0.5 to 1.0 ppm.

Algae

- Use an algicide following manufacturer's directions carefully. This may involve more than one dose.
- Run circulation 24 hours a day and brush the sides of the pool often.
- When clarity starts to return shock the pool.
- To prevent algae for 90 days try FROG Leap All-Out and its Algae Protection Guarantee.

* Compared to the minimum EPA recommended chlorine level of 1.0 ppm for a stabilized swimming pool.

∞ Cleaner, Clearer and Softer water for pools, hot tubs and swim spas.



Escanear para manual en español y de datos de seguridad

Register your FROG Leap Infuser at frogproducts.com

MANUFACTURED FOR



6000 CLEARWATER DR
MINNETONKA, MN 55343
800-222-0169 | frogproducts.com

Assembled in U.S.A. Patents: kingtechnology.com/IP