FROG LEAP™ Anti-Bac Mineral Pac™
www.kingtechnology.com  800-922-0169

Serial No.

Product Description: The FROG LEAP Anti-Bac Mineral Pac is the heart of an advanced pool care system that destroys bacteria. The patented mineral formula in the FROG LEAP Anti-Bac Mineral Pac also neutralizes acids, which helps keep the pH in an acceptable range with less monitoring. The controlled release of minerals provides an optimum level of protection in your pool. The FROG LEAP Mineral System+ reduces chlorine use up to 50%*. Simply use with at least 0.5 ppm of an EPA registered source of chlorine such as the FROG LEAP Torpedo Pac® (EPA Reg. No. 53725-2) or a chlorine delivery device. Using the FROG LEAP Mineral System+ improves swimming pool pleasurable experience by reducing the problems associated with chlorine including irritated bathing suits, premature damage to pool equipment or surfaces and smelly odor. With the FROG LEAP Anti-Bac Mineral Pac, pool care is easy and effective. Once emptied, 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 upon opening you hear the spent media inside, it is no longer effective and must be replaced. Mark the calendar with stickers provided to replace this product.

Replace FROG LEAP Anti-Bac Mineral Pac after 6 months.

For Use with FROG LEAP Torpedo Pac® EPA Reg. No.: 53725-2. For use in pools up to 25,000 gallons. For a complete system, use this product inside the FROG LEAP Inflator™ along with the FROG LEAP Torpedo Pac. This product is compatible with pool chemicals except liquid chlorines and bromine. Before inserting the FROG LEAP Anti-Bac Mineral Pac as the pool maintenance product, balance the pH to between 7.2 and 7.8 and total alkalinity between 60-120 ppm and shock the pool with chlorine shock per the manufacturer's directions. Then follow the directions below: 1. Turn circulation pump off; turn control dial to: "Setting 6" and remove cap from FROG LEAP Inflator. 2. Line up slot on the side of the FROG LEAP Anti-Bac Mineral Pac with the fin inside the FROG LEAP Inflator and insert into the cavity on the left; then replace the cap on the FROG LEAP Inflator and turn pump back on. Set the control dial on the FROG LEAP Inflator per the side and pump run time of your pool according to the chart in the manual.

Directions for use with Alternative Source of Chlorine: If using an alternative EPA registered source of chlorine, follow steps 1 and 2 above then replace the FROG LEAP Inflator cap. set the control dial to: "Setting 5" and turn pump back on. Maintain recommended chlorine levels of at least 0.5 ppm in the pool.

DO NOT USE ANY OTHER PAC OR BULK CHEMICAL INSIDE THE ANTI-BAC MINERAL PAC.

Damages to the Pac, Pool or Other Equipment Could Result.

Disposal: After six months of use, discard FROG LEAP Anti-Bac Mineral Pac in trash even if it appears there is spent media left inside. Non-refillable container. Do not reuse or refill this container. Do not attempt to reuse the FROG LEAP Anti-Bac Mineral Pac once removed from the FROG LEAP Inflator. In the unlikely event that a FROG LEAP Anti-Bac Mineral Pac should break and release raw minerals into the pool - vacuum out. NOTICE: Neither King Technology, Inc. nor the seller of this product can accept any responsibility where the product is not used according to directions and for the manner in which it was intended.

FROG LEAP Mineral System+ consists of the FROG LEAP minerals when chloride and carbonate are 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.: 53725-2) an EPA registered chlorine pool product or a chlorine delivery device.

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

KING TECHNOLOGY, INC. 530 11th Avenue South, Hopkins, MN 55343
U.S. Patents 6,216,566; 6,217,892; 6,383,507; 6,514,415; 6,551,606; 6,652,671
and other U.S. and Foreign Patents Pending 20-43-5626 ED92001130201143N

New 11-21-2011
FROG Leap Anti-Bac Mineral Pac™
Patented Mineral Pool Disinfectant
Operational Instructions

CHLORINE LASTS
2X LONGER
WITH FROG MINERAL SYSTEMS

25% MORE
Water Polishers

REPLACE EVERY 6 MONTHS OR AFTER ONE POOL SEASON, WHICHER 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.

3. If your fill water is high in metals, use a sequestering agent or metal cut 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 Infuser or POOL FROG Cycler (see page 3 for directions).**

3. **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.**

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 Infuser or POOL FROG Cycler (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).**

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 | 8 HOUR PUMP RUN TIME | 24 HOURS PUMP RUN TIME | 48 HOURS PUMP RUN TIME |
   | POOL 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 |
   | Gallons      |        |        |      |          |        |        |      |          |        |        |      |          |
   | 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  | 3.5      | 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 Cycler 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.

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 Cycler. Series 7800 for use in FROG Leap Infuser Model 7800 and Pool FROG Cycler 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 cycler. 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 Cycler. 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 Pac (EPA Reg. No.: 53735-2). All three products sold separately.

1. COLORED CAPS
   - 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.

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

3. Line up the small leg of the pac with the small opening in the 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.

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

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).

1. seal
   - 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 key to puncture seal.

3. Replace cap by hand only. DO NOT OVER TIGHTEN. Turn control dial to Maximum, Setting 5 or ON depending on the model.

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

5. To remove FROG Leap ALL-OUT, turn pump off, turn dial to Pac Removal, Setting 0 or OFF depending on the model, remove FROG Leap Infuser or POOL FROG Cycler cap.

6. Lift FROG Leap ALL-OUT up and allow any water in the container to drain through the system before recycling or discarding in trash. NOTE: If water shows more than a hint of blue inside FROG Leap Infuser or POOL FROG Cycler, replace the cap, turn dial to Maximum, Setting 5 or ON and run the pump for one minute.

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

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

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