

# FROG Leap Infuzer™

## Mineral Pool Care System

Model 7800  
For Pools up to 25,000 Gallons



System Includes the  
**FROG Leap Anti-Bac Mineral Pac™**  
Patented Mineral Disinfectant

Customer Service 800-222-0169  
[www.kingtechnology.com](http://www.kingtechnology.com)

# TABLE OF CONTENTS

|  |            |
|--|------------|
| <b>FROG Leap™ Introduction</b>                               | <b>3</b>   |
| <b>Swimming Pool Tips</b>                                    | <b>4</b>   |
| <b>Start-up and Operation</b>                                | <b>5-6</b> |
| <b>Replacing FROG Leap Anti-Bac Mineral Pac™</b>             | <b>7</b>   |
| <b>Using FROG Leap Depth Charge™, Reveille, Torpedo Pac™</b> | <b>8</b>   |
| <b>Using FROG Leap ALL-OUT!™</b>                             | <b>9</b>   |
| <b>Troubleshooting</b>                                       | <b>10</b>  |
| <b>Parts List</b>  | <b>11</b>  |
| <b>Replacing Control Dial O-Rings</b>                        | <b>12</b>  |
| <b>Replacing Cap O-Rings and Knobs</b>                       | <b>12</b>  |
| <b>Winterizing</b>   | <b>13</b>  |
| <b>Filter Installation</b>                                   | <b>14</b>  |
| <b>Base Installation</b>                                     | <b>15</b>  |
| <b>Warranty</b>  | <b>16</b>  |

**For information on King Technology's entire product line, visit our website at [www.kingtechnology.com](http://www.kingtechnology.com)**

Welcome to easier pool care courtesy of FROG Leap™. With FROG Leap™, your pool water will look and feel better without a lot of work or a lot of chlorine. This system† controls bacteria using a combination of minerals and reduced chlorine levels. Chlorine lasts 2X longer with FROG Leap™ Mineral System.\*

There are 4 main parts to the FROG Leap™ System: The FROG Leap Infuzer™, the FROG Leap Anti-Bac Mineral Pac™, FROG Leap ALL-OUT!™ (90-day Algae Preventative) and the FROG Leap Torpedo Pac™. Plus FROG Leap™ offers easy and effective FROG Leap Pool Wake Up and FROG Leap Pool Hibernation convenience packs for opening a pool in the spring and closing for the winter.

**Part 1  
FROG Leap Infuzer™**

The water treatment center that controls the flow of water to each part of the FROG Leap™ System.



For Pools Up to 25,000 gallons.

**Part 2  
FROG Leap Anti-Bac Mineral Pac™**

Holds the minerals and fits inside the FROG Leap Infuzer™.



**THE FROG Leap Anti-Bac Mineral Pac™ MUST BE REPLACED EVERY SIX MONTHS OR AFTER ONE POOL SEASON WHICHEVER IS SHORTER.**

**Part 3  
FROG Leap ALL-OUT™**

Use with the FROG Leap™ System for a 90-Day Algae-Protection Guarantee.

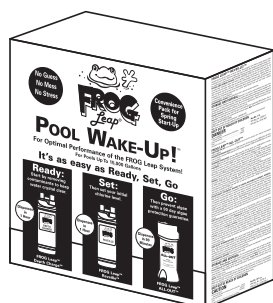


**Part 4  
FROG Leap Torpedo Pac™**

Pre-filled with chlorine tablets and fits inside the FROG Leap Anti-Bac Mineral Pac™.



**NOW ALL IN ONE BOX!**



FROG Leap Reveille™, FROG Leap Depth Charge™ and FROG Leap ALL-OUT!™

**FROG Leap Pool Wake Up!™ and Pool Hibernation™**

An easy 3-step pool opening and pool closing program that effectively removes contaminants, prevents algae and sets a chlorine residual with precise dispensing and no touching chemicals!

FROG Leap Anti-Bac Mineral Pac™ sold inside FROG Leap Infuzer™ and separately for replacements.

FROG Leap Torpedo Pac™ and FROG Leap ALL-OUT!™, along with FROG Leap Pool Wake Up/Pool Hibernation, are sold separately.

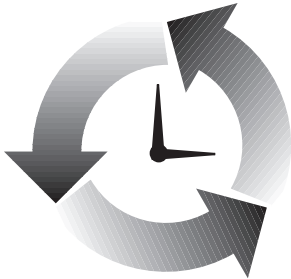
†FROG Leap™ Mineral System consists of the FROG Leap™ minerals silver chloride and carbonate used in conjunction with 0.5 ppm chlorine. The FROG Leap Anti-Bac Mineral Pac™ must be used in conjunction with the FROG Leap Torpedo Pac™ (EPA Reg. No.: 53735-2), an EPA registered chlorine pool product or a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

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

# Swimming Pool Tips

## Start-up and Yearly Maintenance

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 or use a complete test kit that 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.

Cu  
Mg Fe

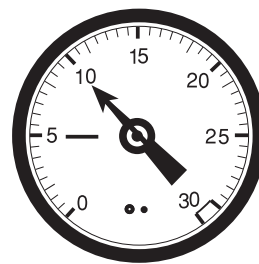
If your fill water is high in metals, use a sequestering agent or metal out product at start-up only before using the FROG Leap Anti-Bac Mineral Pac™. See your local dealer for details on using these products and always follow manufacturers directions carefully.

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™. (See page 7 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 FROG Leap Infuzer™, 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 all contaminants. (see page 8 for FROG Leap Depth Charge™ directions)

4.



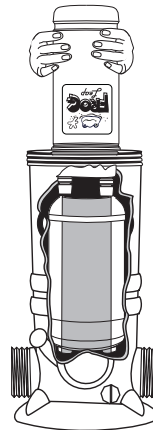
Create a chlorine residual with FROG Leap Reveille™ or a chlorine shock (see page 8 for FROG Leap Reveille™ directions). **THIS STEP IS VERY IMPORTANT TO START-UP** Always begin with chlorine in the pool water.

5.



For a 90-day algae protection guarantee, insert FROG Leap ALL-OUT!™ into FROG Leap Anti-Bac Mineral Pac™ in Infuzer. (See page 9 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 8 for directions.)



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

# Start-up and Operation

- 7.** Set control dial by matching up the parameters of your pool on the chart below. THIS IS A STARTING POINT ONLY and may need to be adjusted to fit your individual pool needs. See #8 below for directions. **IMPORTANT:** Pump run times less than 8 hours could result in under chlorination due to inadequate flow through the System.

| POOL SIZE |          | 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  | 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    | 4.5  | 4.0      |
| 25,000    |          | NR                   | NR     | 6.5  | 6.0      | NR                    | 6.5    | 6.0  | 5.5      | 6.0                   | 5.5    | 5.0  | 4.5      |

\* – Bypass installation recommended.  
NR – This pump size is not recommended for this size pool.

RECOMMENDED FLOW RATE: 20-60 gpm  
Most common pool size

## 24 HOUR, LOW SPEED PUMP RUN TIME

In order to ensure proper performance when running the pump 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 8 to determine the correct setting for your pool.

| POOL SIZE |          | 12 HOUR PUMP RUN TIME |        |      |          |
|-----------|----------|-----------------------|--------|------|----------|
| Gallons   | Diameter | PUMP SIZE             |        |      |          |
|           |          | 1/2 hp                | 3/4 hp | 1 hp | 1 1/2 hp |
| 7,000     | (18')    | 4.5                   | 4.0    | 3.0  | 5.0*     |
| 9,000     | (21')    | 5.0                   | 4.5    | 4.0  | 5.5*     |
| 12,000    | (24')    | 5.5                   | 5.0    | 4.5  | 4.0      |
| 15,000    |          | 6.0                   | 5.5    | 5.0  | 4.5      |
| 20,000    |          | NR                    | 6.0    | 5.5  | 5.0      |
| 25,000    |          | NR                    | 6.5    | 6.0  | 5.5      |

Find your starting dial setting by matching up the parameters of your pool on the above chart. A pool with approximately 12,000 gallons with a 1 horse pump running 12 hours a day would require a starting setting of 4.5.

- 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 each testing, adjust the dial up by 1/2 increment if the free chlorine reading has dropped below 0.5 ppm or adjust down by 1/2 increment if the reading has risen above 1.0 ppm. Continue this process each day until the free chlorine reading stabilizes to at least 0.5 ppm.

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

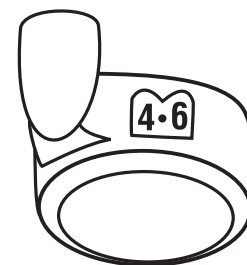
- 9.** Shock pool every two weeks or as needed to maintain water quality. Follow label directions on the shock treatment used.



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

**If using another means of chlorine support, follow steps 1-5 on page 5 then continue below.**

**6.**



Set dial to Setting 5. Maintain a minimum chlorine reading of 0.5 ppm with a chlorine delivery device or hand feeding.

**7.**



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 Infuzer™ as it could damage equipment, risk potential explosion or discolor your pool surface.**

# Replacing a FROG Leap Anti-Bac Mineral Pac™

(FROG Leap Anti-Bac Mineral Pac™ **MUST** be Replaced Every Season)



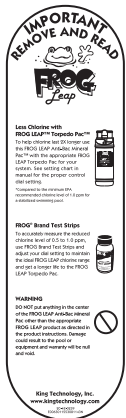
**1.**

SERIES 7800 (ORDER #01-12-7822)  
**NOW FITS THE FOLLOWING SYSTEMS:**  
 FROG 4500, 5100, 5200, 6100, 6500 and 7100  
 Prevail 5770 and 5771

Check the top of the box and back label of product to make sure you have the correct FROG Leap Anti-Bac Mineral Pac™ to fit your FROG Leap Infuzer™.

**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 information card.

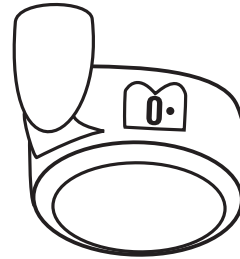
Please note: Complete instructions for inserting a FROG Leap Anti-Bac Mineral Pac™, and all other FROG Leap products are included inside the FROG Leap Anti-Bac Mineral Pac™.

**3.**



Use **ONLY** the factory recommended FROG Leap™ replacement products. **DO NOT USE** bulk chemical tablets in the FROG Leap Infuzer™ or put anything inside the FROG Leap Infuzer™ other than the appropriate FROG Leap™ product as directed in the product instructions. 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™ products are not used.

**4.**



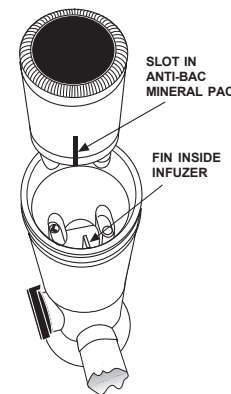
Turn off pump and turn dial to Setting 0. This reduces the flow of water into the unit when the cap is open.

**5.**



Open cap. Stand back to avoid inhaling chlorine fumes from the FROG Leap Torpedo Pac™.

**6.**



Find slot on side of FROG Leap Anti-Bac Mineral Pac™ and line up with fin inside the FROG Leap Infuzer™. Lower FROG Leap Anti-Bac Mineral Pac™ into FROG Leap Infuzer™ until secure.

**7.**

Mark your calendar for the six month replacement of the FROG Leap Anti-Bac Mineral 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.**

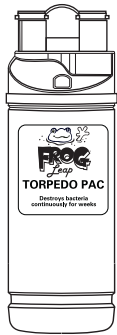
# Using FROG Leap Depth Charge™, FROG Leap Reveille™ or FROG Leap Torpedo Pac™



FROG Leap  
Depth Charge™



FROG Leap  
Reveille™

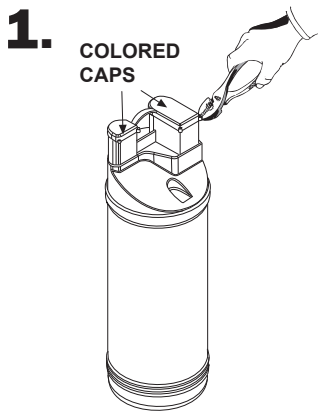


FROG Leap  
Torpedo Pac™

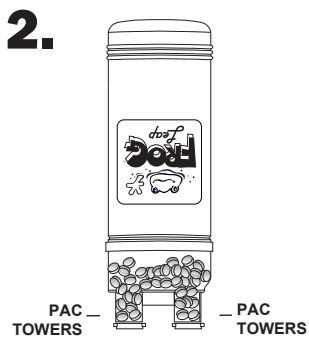


Avoid sparks, open flame or smoking when handling FROG Leap Depth Charge™, FROG Leap Reveille™ or FROG Leap Torpedo Pac™.

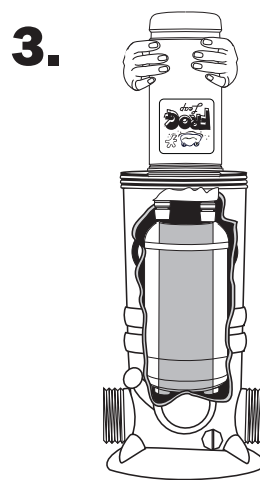
FROG Leap Depth Charge™ is a one time start-up product used to rid the water of all contaminants. FROG Leap Reveille™ - also used at start up, sets the chlorine residual to help find the proper dial setting for maintaining up to 50%\* less chlorine while using the FROG Leap Torpedo Pac™ (EPA Reg. No.: 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.



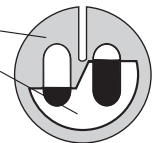
- 2.** Turn pac over and shake slightly until ingredients fall into tower areas.



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

FROG LEAP  
ANTI-BAC  
MINERAL  
PAC

OTHER PAC



- 4.** Replace cap by hand only. **DO NOT OVER TIGHTEN.**

- 5.** Turn control dial on FROG Leap Infuzer to setting 5.

- 6.** Run the pump and filter for each pac according to the directions on the product label. Remove from the FROG Leap Infuzer™ when empty and discard or offer for recycling.

- 7.** Mark your calendar for the approximate replacement times for the FROG Leap Torpedo Pac™.



# Using FROG Leap ALL-OUT™ for a 90-Day Algae Protection Guarantee

If you are not using FROG Leap ALL-OUT!™ proceed to inserting FROG Leap Torpedo Pac™. See FROG Leap ALL-OUT!™ product labeling for complete directions for use (EPA Reg. No. 53735-9). 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 & 30,000 gallons.

**\*NOTE:** If using directly after a shock treatment, test the water first to ensure the pH is in the proper range of 7.2-7.8 and the chlorine level is no more than 4.0 ppm. Avoid using other chemicals until this product has been circulated (filtered) for at least 24 hours.



1. seal

Remove cap from FROG Leap ALL-OUT!™ without removing seal.



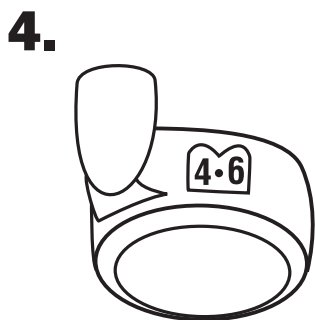
2.

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.**



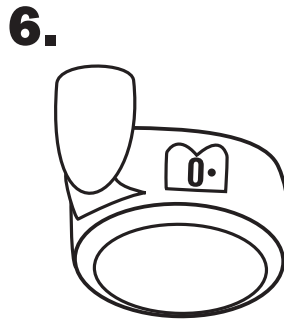
4.

Turn control dial on FROG Leap Infuzer™ to Setting 5.



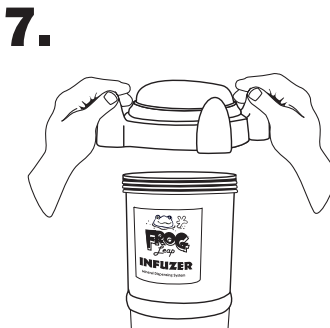
5.

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



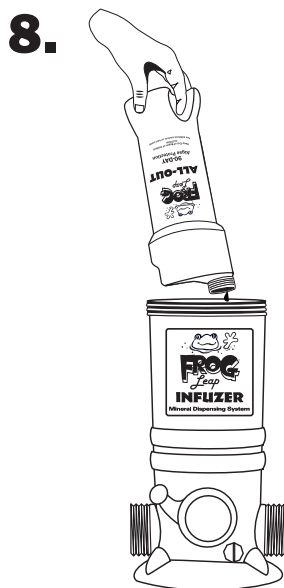
6.

To remove FROG Leap ALL-OUT!™, turn pump off. Turn dial to Setting 0.



7.

Remove FROG Leap Infuzer™ cap.



8.

Lift FROG Leap ALL-OUT!™ up and allow any water in the container to drain through the FROG Leap Infuzer™ before discarding in trash.

**NOTE:** If water shows more than a hint of blue inside FROG Leap Infuzer™, replace the FROG Leap Infuzer™ cap, turn dial to Setting 5 and run the pump for one minute.

8a. If pool size requires additional FROG Leap ALL-OUT!™, repeat steps 1-8.

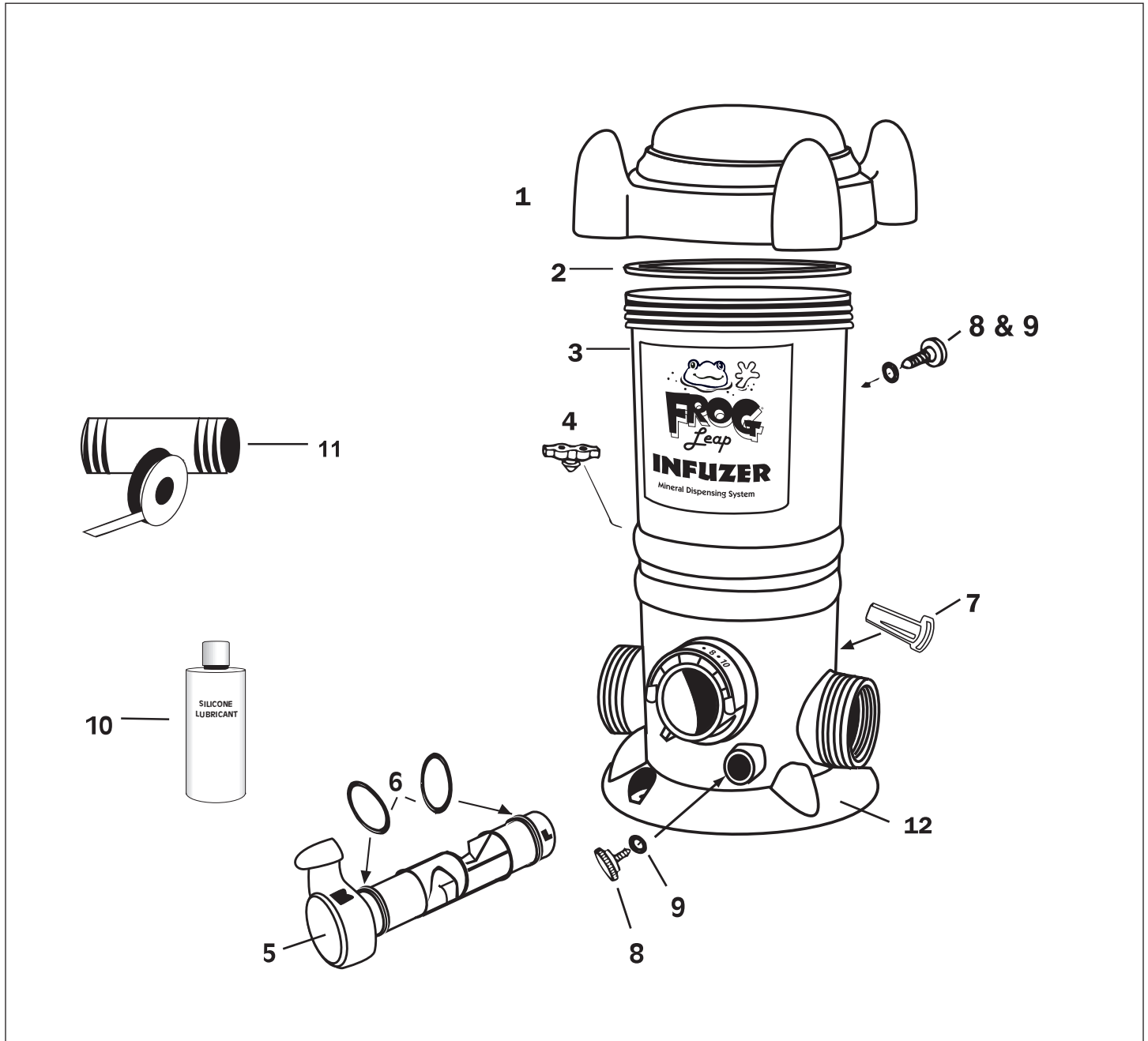
8b. When water is clear in FROG Leap Infuzer™, proceed to inserting FROG Leap Torpedo Pac™.

# Troubleshooting

For more in-depth troubleshooting, go to [www.kingtechnology.com](http://www.kingtechnology.com)

| Problem   | Remedy   |  |   |
|---|--|--|---|
| <p><b>1. What do I do if the water looks cloudy?</b></p>                                  | <p>1. Make sure your filtration system is working properly (i.e. clean filter, skimmer and pump basket).</p> <p>2. Make sure circulation time is adequate – increase pump</p>  | <p>time if not.</p> <p>3. Make sure the pool is properly balanced (see page 4).</p> <p>4. Shock the water to eliminate build up of any organic matter.</p>   | <p>5. Make sure pool has a free chlorine reading of 0.5 to 1.0 ppm.</p> <p>6. Check with your dealer for more information.</p>  |
| <p><b>2. What do I do if the water turns color?</b></p>                                   | <p>1. Metals in the fill water may have been oxidized. Have the pool tested. Shock the pool and clean the filter until water clarity returns.</p>  | <p>2. Algae may be trying to form – shock the pool, increase circulation time if needed and clean the filter.</p>  | <p>3. Check with your dealer for more information.</p>  |
| <p><b>3. What do I do if algae forms in or on my pool?</b></p>                            | <p>1. Use a nonmetallic (polyquat) algaecide per the directions on the bottle and brush the sides of the pool often.</p> <p>2. Clean the filter and shock the pool with chlorine daily</p>   | <p>until water clarity returns.</p> <p>3. If you are in an area of the country that struggles with algae growth, see your dealer regarding a 90-day Algae Protection Guarantee</p>   | <p>using FROG Leap ALL-OUT!™. <b>See product hang tag for guarantee details.</b></p> <p>4. Check with your dealer for more information.</p>   |
| <p><b>4. What do I do if I am under chlorinating with the FROG Leap Torpedo Pac™?</b></p> | <p>1. If you are unable to maintain 0.5 to 1.0 ppm, first make sure there are chlorine tablets in the tower areas of the FROG Leap Torpedo Pac™ and it is installed properly. If a correction was made, test the water in 24 hours.</p> <p>2. If still low, turn the dial up one setting and test the water again in 24 hours. Continue raising the setting</p>                                      | <p>by one increment each day until the proper reading is achieved.</p> <p>3. Shock the pool if the reading has been lower than 0.5 ppm for more than one day.</p> <p>4. Make sure pump run time is at least 6 hours on high speed (40 gpm or higher) or if not, bleed the air from the back knob each time cap is open.</p>  | <p>5. Contact your dealer to have your back pressure tested to ensure it is at least 4 psi.</p> <p>6. Check for a suction side leak by looking for air bubbles in your pump basket or at the return jet. Contact dealer for help in correcting this situation.</p> <p>7. Contact King Technology's Customer Service Department at 800-222-0169.</p> |
| <p><b>5. What do I do if I am over chlorinating with the FROG Leap Torpedo Pac™?</b></p>  | <p>1. If the chlorine reading is over 3.0 ppm, remove the FROG Leap Torpedo Pac™ from the FROG Leap Anti-Bac Mineral Pac™ and test the water daily until the reading is down to 1.0 ppm.</p> <p>2. Reinsert the FROG Leap Torpedo Pac™, lower the dial one setting and test the water again in 24 hours. If the reading has risen, lower the dial one setting again. Continue this process until</p> | <p>proper reading is achieved.</p> <p>3. If over-chlorinating at the lowest possible setting, consider decreasing the circulation time. Depending on your pump size, you may be circulating the water more than is necessary.</p> <p>4. Contact your dealer to have your back pressure tested. If over 8 psi consider a larger eye-ball fitting in the return jet.</p> | <p>5. Check to see if the pressure relief valve is loose or missing and replace. It is a clear plastic piece approximately 1" long installed inside near the base. If loose or missing, it can provide another avenue for water to reach the chlorine.</p> <p>6. Contact King Technology's Customer Service Department at 800-222-0169.</p>         |

# Parts List Model 7800



## Included with FROG Leap Infuzer™ 7800

| REF. #  | DESCRIPTION                               | QTY. INCLUDED |
|---------|---|---------------|
| 1 & 2   | Cap w/O-Ring                              | 1             |
| 3       | Body                                      | 1             |
| 4       | Pressure Relief Valve                     | 1             |
| 5, 6, 7 | Control Dial with O-Rings and Locking Pin | 1             |
| 8 & 9   | Knob with O-Ring                          | 2             |
| 10      | Silicone Lubricant                        | 1             |
| 11      | Nipple Kit                                | 1             |
| 12      | Mounting Base                             | 1             |

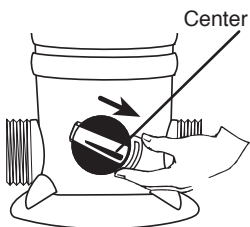
## Replacement parts for FROG Leap Infuzer™ 7800

| REF. #  | PART NO.   | DESCRIPTION                               |
|---------|------------|---|
| 1 & 2   | 01-22-1418 | Cap w/O-Ring                              |
| 2       | 01-22-1920 | Cap O-Ring                                |
| 4       | 01-22-9480 | Pressure Relief Valve                     |
| 5, 6, 7 | 01-22-1443 | Control Dial with O-Rings and Locking Pin |
| 6       | 01-22-1450 | Control Dial O-Ring Set                   |
| 8 & 9   | 01-22-9940 | Knob with O-Ring                          |
| 10      | 01-22-9971 | Silicone Lubricant                        |
| 11      | 01-22-1710 | Nipple Kit                                |
| 12      | 01-22-1485 | Mounting Base                             |

# FROG Leap Infuzer™ Maintenance

## Replacing the Control Dial O-Rings

1.



Center of locking pin

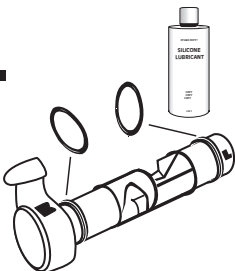
In the back of the FROG Leap Infuzer™ depress center of locking pin with a finger and pull pin out of dial.

2.



Turn control dial back and forth as you pull it out of the housing.

3.



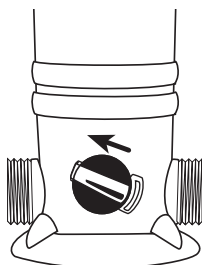
Replace both o-rings. Apply silicone lubricant that came with your FROG Leap Infuzer™ on o-rings.

4.



Carefully insert control dial back into housing.

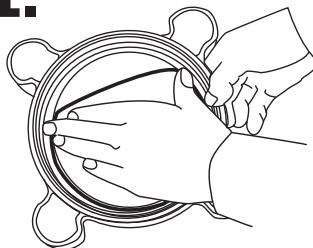
5.



Replace locking pin by pushing it through the slots on the dial until it locks into place.

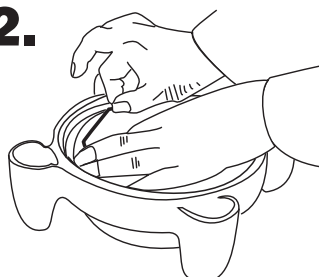
## Replacing Cap O-Ring

1.



Hold cap in front of you upside down with the o-ring groove facing up. Place one end of o-ring into cap groove at the point closest to you. Hold o-ring down with the thumb and index finger of one hand.

2.



Take hold of the far end of the o-ring with the thumb and index finger of the other hand. Roll o-ring slightly back towards you as you stretch the o-ring into the remainder of the cap groove.

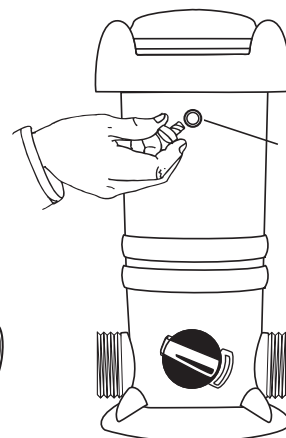
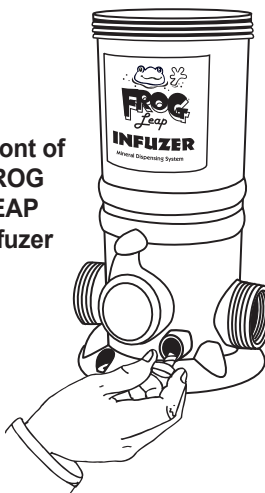
3.



Lubricate o-ring often with silicone lubricant that came with your FROG Leap Infuzer™. DO NOT USE petroleum based lubricants.

## Replacing Knobs

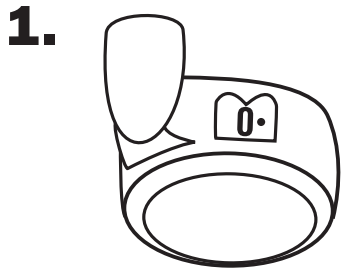
Front of FROG LEAP Infuzer



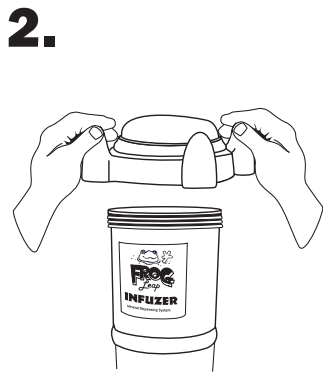
Back of FROG LEAP Infuzer

To replace, simply unscrew old knob and replace with the new one.

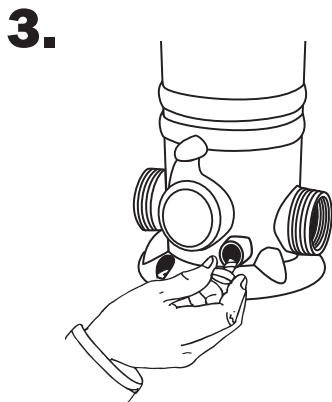
# Winterizing



Turn pump off and turn dial to Setting 0.



Remove cap.



Unscrew knob from the front of FROG Leap Infuzer™. Allow all water to drain.



If FROG Leap Torpedo Pac™ still contains chlorine, wrap in plastic bag and store in shed or cool well-ventilated location away from children, pets, cars, motorcycles or anything metal that can rust, pit, etc. Make sure FROG Leap Torpedo Pac™ is away from open flame.



Remove the FROG Leap Anti-Bac Mineral Pac™ and discard in trash. Even if you hear spent minerals inside, it is no longer effective.



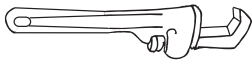
Replace the cap and knob loosely.

**TOOLS NEEDED**

Screwdriver



Pipe Wrench



**INCLUDED WITH FROG Leap Infuser™**

Pipe Thread Tape or Sealant

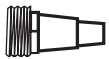


One 6" X 1 1/2" TBE PVC Nipple

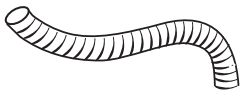


**MATERIALS NEEDED**

One Hose Adapter  
1 1/2" X 1 1/2" X 1 1/4"



One Section of  
1 1/2" Flex Hose  
(provided with filter)



One  
Hose Clamp

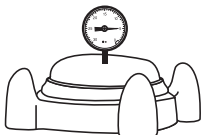


**RECOMMENDED**

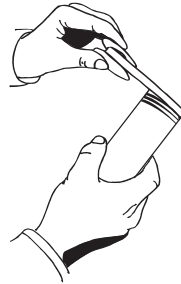
Corrosion Resistant  
Check Valve

4-8 psi Back Pressure

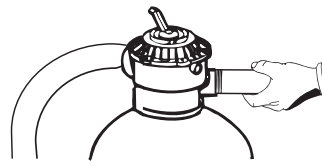
To avoid over or under chlorination, replace eye ball fittings in the return jets to a smaller or larger size to adjust back pressure.



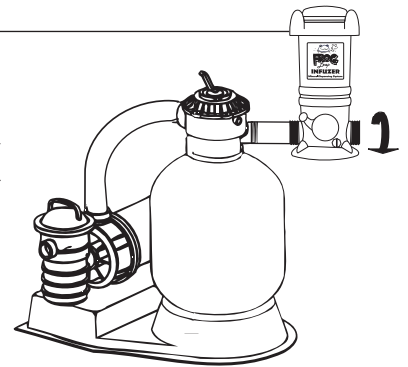
**Filter Installation**



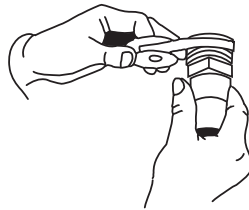
**1.** Apply pipe thread tape or sealant to each threaded end of nipple.



**2.** Screw one end of nipple into the filter return. Hand tighten. Finish tightening by turning 1 to 2 revolutions with wrench. **DO NOT OVER TIGHTEN.**

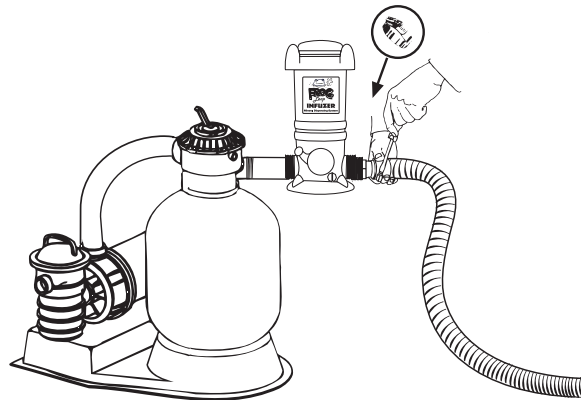
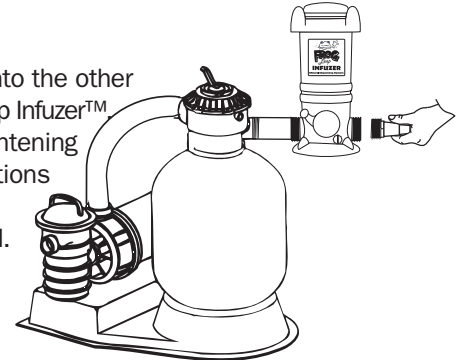


**3.** Screw either side of FROG Leap Infuser™ on to open nipple end until upright and secure.

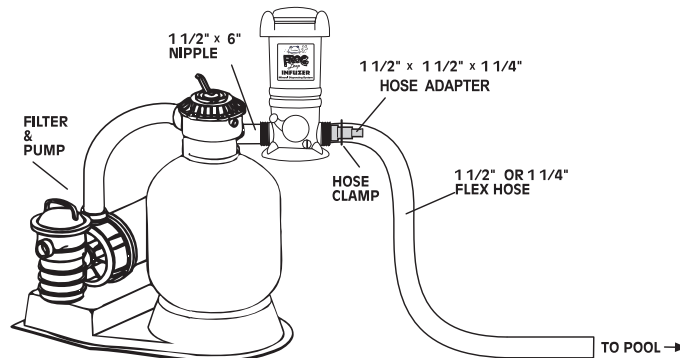


**4.** Apply pipe thread tape or sealant to threaded end of hose adapter.

**5.** Screw adapter into the other side of FROG Leap Infuser™. Hand tighten. Finish tightening by turning 1 to 2 revolutions with wrench. **DO NOT OVER TIGHTEN.**



**6.** Attach return section of hose to the adapter with clamp. Tighten clamp with screwdriver.



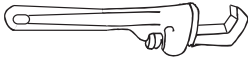
**7.** If using a FROG Leap Torpedo Pac™, installing a corrosion resistant check valve is recommended.

## TOOLS NEEDED

Screwdriver



Pipe Wrench



## Materials Needed

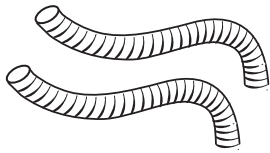
Pipe Thread  
Tape  
or Sealant



Two Hose Adapters  
1 1/2" X 1 1/2" X 1 1/4"



Two Sections  
of 1 1/2" Flex Hose  
(one provided with filter)



Two  
Hose  
Clamps

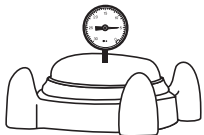


## Recommended

Corrosion Resistant  
Check Valve

4-8 psi Back Pressure

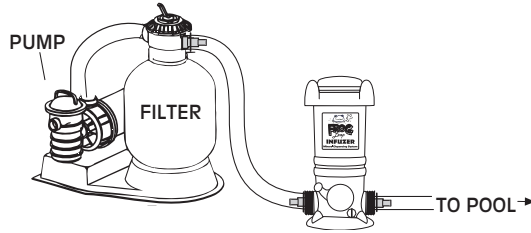
To avoid over or under chlorination,  
replace eye ball fittings in the return  
jets to a smaller or larger size to  
adjust back pressure.



10 X 1 1/4" Phillips Pan  
Head Screws with Washers



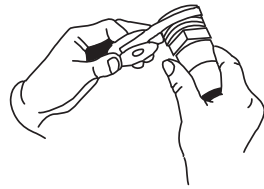
## Base Installation



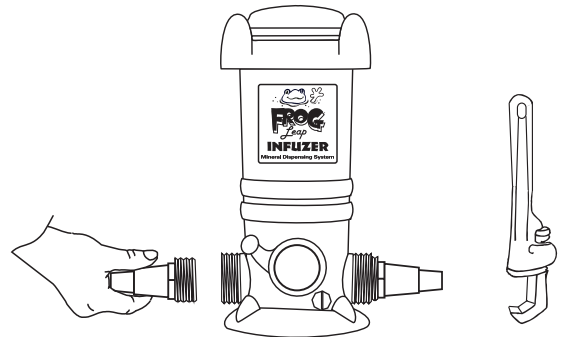
The FROG Leap Infuzer™ should always be  
installed between the filter and pool (or between  
heater and pool if applicable).



- Never install FROG Leap Infuzer™ before the heater.
- Any additional sanitizing equipment that is installed with FROG Leap Infuzer™ must be installed after FROG Leap Infuzer™ (never before) on the return line to the pool.

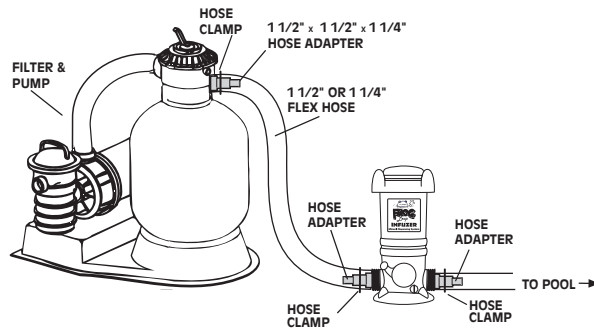
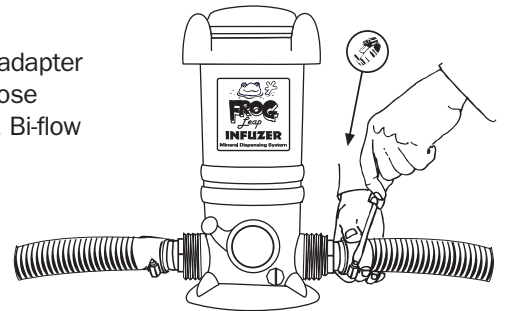


1. Apply pipe thread tape or sealant to the threaded end of both hose adapters.



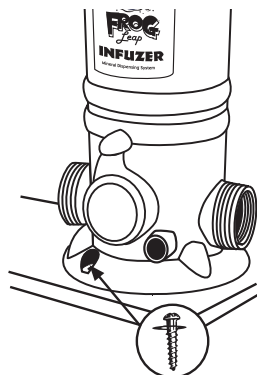
2. Screw adapters into each end of FROG Leap Infuzer™. Hand tighten. Finish tightening by turning 1 to 2 revolutions with wrench. **DO NOT OVER TIGHTEN.**

3. Attach the filter section of flex hose to one hose adapter and the return section of flex hose to the other hose adapter with clamps and tighten with screwdriver. Bi-flow valve design allows water flow in either direction.



4. If using a FROG Leap Torpedo Pac™ installing a corrosion resistant check valve is recommended.

5. For better stability, FROG Leap Infuzer™ may be mounted on a base using Phillips pan head screws. One in front and two in back.



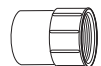
### Option

1 1/2" Male Adapter  
(slip x MPT)



or

2" Female Adapter  
(slip x FPT)



When installing with hard PVC pipe, use either a female adapter on the outside port threads or a male adapter on the inside port threads.

# FROG Leap Infuzer™ Two-Year Limited Warranty

King Technology, Inc. warrants to the original purchaser this unit will be free from any defects in workmanship and/or material, for a period of two (2) years from the date of original purchase. This warranty covers body, cap and control dial, but specifically excludes o-rings. King Technology at its option may replace any defective parts or the entire unit without charge after it is determined what is needed to correct any deficiency. Replacement parts with the exception of o-rings are warranted for the remainder of the original warranty. To extend the limited warranty from two years to ten years, simply complete the warranty card that came with your unit and return it to King Technology within 30 days of purchase and installation.

1. To obtain warranty service, you must deliver the unit to King Technology or its nearest authorized dealer. Shipping expenses are the purchaser's responsibility. The name of the nearest authorized dealer can be obtained by writing or calling King Technology at the address and telephone number provided below. Proof of purchase is required when requesting warranty service. Purchaser must present the sales receipt or other documentation verifying proof of purchase.

2. This warranty does not cover defects caused by: Modification, alteration, repair or service of the unit contrary to the accompanying instructions; physical abuse to or misuse of the product or operation or installation in a manner contrary to the accompanying instructions. This warranty also excludes all costs arising from the installation, adjustment, removal or replacement of defective units or parts. This warranty also excludes any and all claims arising out of the chemicals used in the product or their characteristics.

**3. CAUTION - Read carefully – Failure to follow these instructions will void the warranty. Do not add shock in or near skimmer.**

**A. This unit is not designed for shock treatment of pools. See your pool dealer or distributor for further information concerning shock treatments.**

**B. Control dial settings higher than needed can result in excess sanitizers being discharged into the pool. If the sanitizer level goes unmonitored, it can result in bleaching or discoloration of areas around the pool inlet or in some cases bleaching or discoloration of the entire pool liner or paint.**

**C. Excess trichlor in the pool can create health hazards to bathers. Consult each chemical manufacturer's warnings and cautions for specifics.**

**D. Misuse or failure to use the proper FROG Leap Anti-Bac Mineral Pac™ and FROG Leap Torpedo Pac™ may cause damage to equipment or personal injury. This warranty will be null and void, if this unit is not used with the recommended FROG Leap Anti-Bac Mineral Pac™ and FROG Leap Torpedo Pac™.**

4. This warranty is the exclusive warranty for the FROG Leap Infuzer™. This warranty is not transferable. **KING TECHNOLOGY MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, AS TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER MATTER CONCERNING THE FROG Leap INFUZER™.** Any express warranty not provided herein, and any remedy for breach of contract but which for this provision might arise by implication or operation of law is hereby excluded and disclaimed. THE EXCLUSIVE REMEDY FOR ANY CUSTOMER IS THE REPAIR OR REPLACEMENT OF THE UNIT, AND THE RECOVERY OF DAMAGES WILL NOT EXCEED THE PURCHASE PRICE OF THE UNIT. IN NO EVENT WILL KING TECHNOLOGY BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, SPECIAL OR PUNITIVE DAMAGES FROM ANY CAUSE.

5. Under no circumstance shall King Technology be liable to purchaser or any other person for any damage or loss incurred because of any chemicals used in the product or their physical characteristics, or interruption of service of the product, or any resulting special, incidental or consequential damages or losses. Some states do not allow the exclusion or limitation of incidental consequential damages, so the above limitation or exclusion may not apply to you.



**Manufactured by: King Technology Inc.**

530 11th Ave S, Hopkins, MN 55343 U.S.A.  
952-933-6118 • 800-222-0169 • FAX 952-933-2206  
www.kingtechnology.com

FROG®, POOL FROG®, XL PRO®, SPA FROG®, INSTANT FROG®, FILTER FROG®, FROG BAM®, NEW WATER® and SANI-KING® are registered trademarks of King Technology, Inc.

**Made in U.S.A.**

U.S. Patents D540,906; D551,971; 6,190,547; 6,210,566; 6,217,892; 6,383,507; 6,544,415; 6,551,609; 6,652,871; 7,604,018 and other U.S. and Foreign patents pending.