

FROG Leap® Infuzer® Mineral Pool Care System

Model 7800
For Pools up to 25,000 Gallons



Fresh
Mineral Water
Easy®

Cleaner

because it kills bacteria two ways

Clearer

because it helps keep pH in range

Softer

because it reduces chlorine use up to 50%*

Easier

with pre-filled pacs for no mess,
no guess and no stress



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

Customer Service 800-222-0169
www.FrogProducts.com

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For information on King Technology's entire product line, visit our website at www.FrogProducts.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.

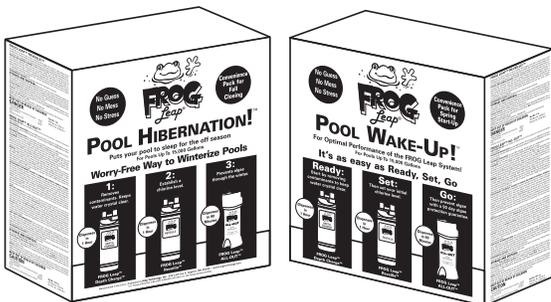


Part 4
FROG Leap® Torpedo Pac®

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® and 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.

Notes and Safety Information

General Notes

These instructions contain information for the safe and proper operation of this system. Observe the following principles:

- Read the entire manual prior to installing or using this system.
- Ensure that everyone using this system follows the instructions and safety precautions.
- Keep the instructions nearby and available for reference throughout the service life of this system.

These instructions do not provide for every possible contingency that might be encountered in connection with installation, operation or maintenance of this equipment. Should further information be desired or should particular issues arise which are not covered sufficiently in this manual, the matter should be referred to the manufacturer.

Explanation of the signal words

Signal words, which depict the probability and severity of harm, are used in these instructions. They are defined as follows:

Signal Word	Meaning
WARNING	Indicates a hazardous situation which, if not avoided, could result in serious injury or death.
CAUTION	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury. Caution also alerts against unsafe practices.
NOTICE	Indicates special instructions that are important but not related to physical injury hazards

Explanation of the safety pictographs

The following pictographs illustrate the type and source of a hazard.

Pictograph	Type of Danger
	Safety Alert/General Hazard
	Explosion Risk
	Hazardous Pressure
	Flammable Fire Hazard

Identification of warnings

Warnings are intended to help you recognize risks and avoid negative consequences. This is how warnings are identified:

 Signal Word
Pictographs
<p>Description of danger. Consequences if ignored.</p> <p>⇒ The arrow signals a safety precaution to be taken to eliminate or reduce the danger.</p>

Safety Precautions



CAUTION

- ⇒ Follow instructions for the FROG Leap® System, FROG Leap® Torpedo Pac®, FROG Leap® Anti-Bac Mineral Pac®, and FROG Leap® All-Out®.
- ⇒ Avoid breathing in chemical fumes. Use protective equipment if necessary
- ⇒ Wash your hands and arms thoroughly after using this product.



WARNING



Fire, explosion and high pressure hazards

To minimize the risk of serious injury, death or property damage, follow these instructions and safety precautions at all times while using the FROG Leap® System.

- ⇒ Read, understand and follow all instructions and safety precautions in the manual and on this system and on any label for chemicals used with this system.
- ⇒ Use only FROG Leap® Torpedo Pacs®, Anti-Bac Mineral Pacs®, and All-Out® in the FROG Leap® System.
- ⇒ Never use bulk chemicals, fast dissolving chlorine tablets, liquid bleach, or calcium hypochlorite in the FROG Leap® System.
- ⇒ Never mix Trichlor Chlorine tablets with Calcium Hypochlorite, or with any other form of concentrated chlorine or other chemicals.
- ⇒ Never add any other types of chlorine, pH adjusters, shock treatments or algaecides through the skimmer. These products should be added directly into the pool if required.
- ⇒ To prevent the build up of gas pressure in the FROG Leap® System, be sure the pool return line valves are open – except when opening or servicing the unit.
- ⇒ Do not exceed maximum operating pressure of 50 psi.
- ⇒ Do not open under pressure. Always turn off pump and bleed off pressure before opening FROG Leap® System.
- ⇒ Do not exceed maximum water temperature of 104 F.
- ⇒ Do not install automatic or fast shut off valves downstream of feeder.
- ⇒ Never install FROG Leap® before the heater.
- ⇒ Any additional sanitizing equipment that is installed with FROG Leap® must be installed after the FROG Leap® (never before) on the return line to the pool.
- ⇒ Avoid sparks, smoking, or any open flame near FROG Leap® System or chemicals.

NOTICE

- ⇒ Ensure proper plumbing connections prior to pressurizing
- ⇒ Replace FROG Leap® System if signs of cracks, damage or degradation
- ⇒ Failure to properly winterize your cyclor could result in freeze damage

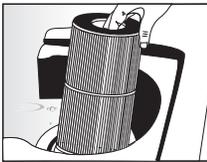
Step 1: Preparing the Pool

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. Check with your dealer for the proper circulation time for your pool.

2.



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.

3.



If using source water that is high in iron or other metals, see your dealer before filling 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. Take a water sample to your local pool professional (or use a complete test kit) that will test for the important Water Balance Guidelines.

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

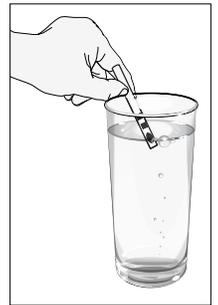
Water Balance Guidelines

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

5.

For best results in achieving water balance, follow steps **a through e** in order.

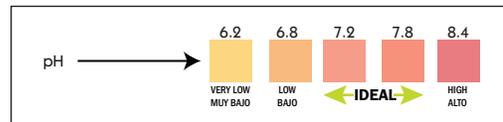
a. Take a water sample from the pool and dip a FROG® Test Strip into it.



b. 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.



c. After TA is in range, test for **pH**. It should be between **7.2 and 7.8**. If higher or lower, add a pH adjuster.



d. Then test for **Calcium Hardness**. It should be between **200 and 400 ppm**. If higher, partially drain the pool and fill with water low in calcium. If lower, add Calcium Increaser.

e. 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 re-fill.

6.

Begin routine pool care as soon as the pool is prepared.

Step 2: Putting the System to Work

1.



Install a FROG Leap® Anti-Bac Mineral Pac into the FROG Leap® Infuzer. (Follow directions on page 9.)

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

2.



Replace cap and run FROG Leap Infuzer®, with FROG Leap® Anti-Bac Mineral Pac® inserted, for 10 minutes on Setting MAXIMUM.

3.



Shock the pool with FROG Leap® Depth Charge® to rid the water of all contaminants. (see page 10 for FROG Leap® Depth Charge® directions)

4.



Create a chlorine residual with FROG Leap® Reveille® or a chlorine shock (see page 10 for FROG Leap® Reveille® directions). **THIS STEP IS VERY IMPORTANT TO START-UP.** Always begin with chlorine in the pool water.



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.

5.



For a 90-day algae protection guarantee, insert FROG Leap® ALL-OUT® into FROG Leap® Anti-Bac Mineral Pac® in Infuzer. (See page 11 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 10 for directions.)

Step 2: Putting the System to Work

- 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® 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.

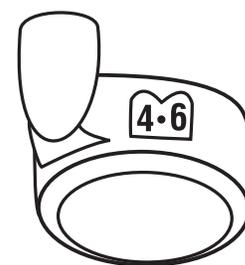
- 9.** Shock pool every two weeks or as needed to maintain water quality. Follow label directions on the shock treatment used.



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.

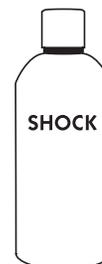
If using another means of chlorine support, follow steps 1-5 on page 7 then continue below.

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:

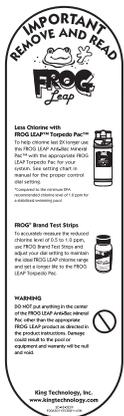
FROG 4500, 5100, 5200, 6100, 6500 and 7100
Prevail 5770 and 5771



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.

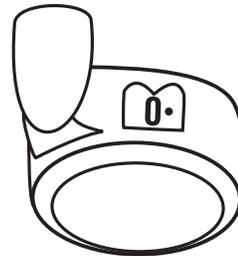
Please note: Complete instructions for inserting a FROG Leap® Anti-Bac Mineral Pac®, and all other FROG Leap® products are included inside the FROG Leap® Anti-Bac Mineral Pac®.

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.



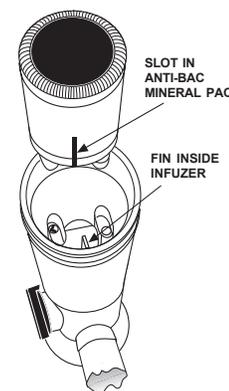
Turn off pump and turn dial to Setting 0. This reduces the flow of water into the unit when the cap is open.

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®

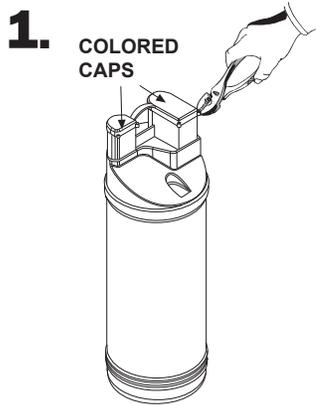


FROG Leap®
Torpedo Pac®

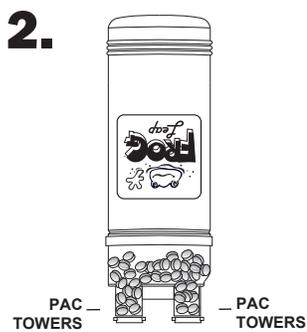


Avoid sparks, open flame or smoking when handling FROG Leap® Depth Charge®, FROG Leap® Reveille® or FROG Leap® Torpedo Pac®.

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.



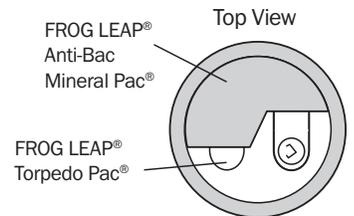
- 1.** **COLORED CAPS**
- To remove colored caps, grab onto the lip of one cap with a pliers and pull up until cap releases. Repeat the process for the other cap.



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



- 3.**
- Line up the small leg of the FROG LEAP® Torpedo Pac® with the small opening in the FROG LEAP® Anti-Bac Mineral Pac® and the large leg with the large opening. Lower FROG LEAP® Torpedo Pac® into FROG LEAP® Anti-Bac Mineral Pac® until secure.



- 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).

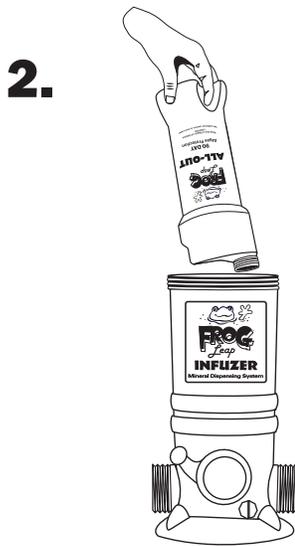
For a preventive dose add:

- 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.



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



Insert upside down into center of FROG Leap® Anti-Bac Mineral Pac® pushing down firmly on key to puncture seal.



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



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



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



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



Remove FROG Leap® Infuzer® cap.



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.

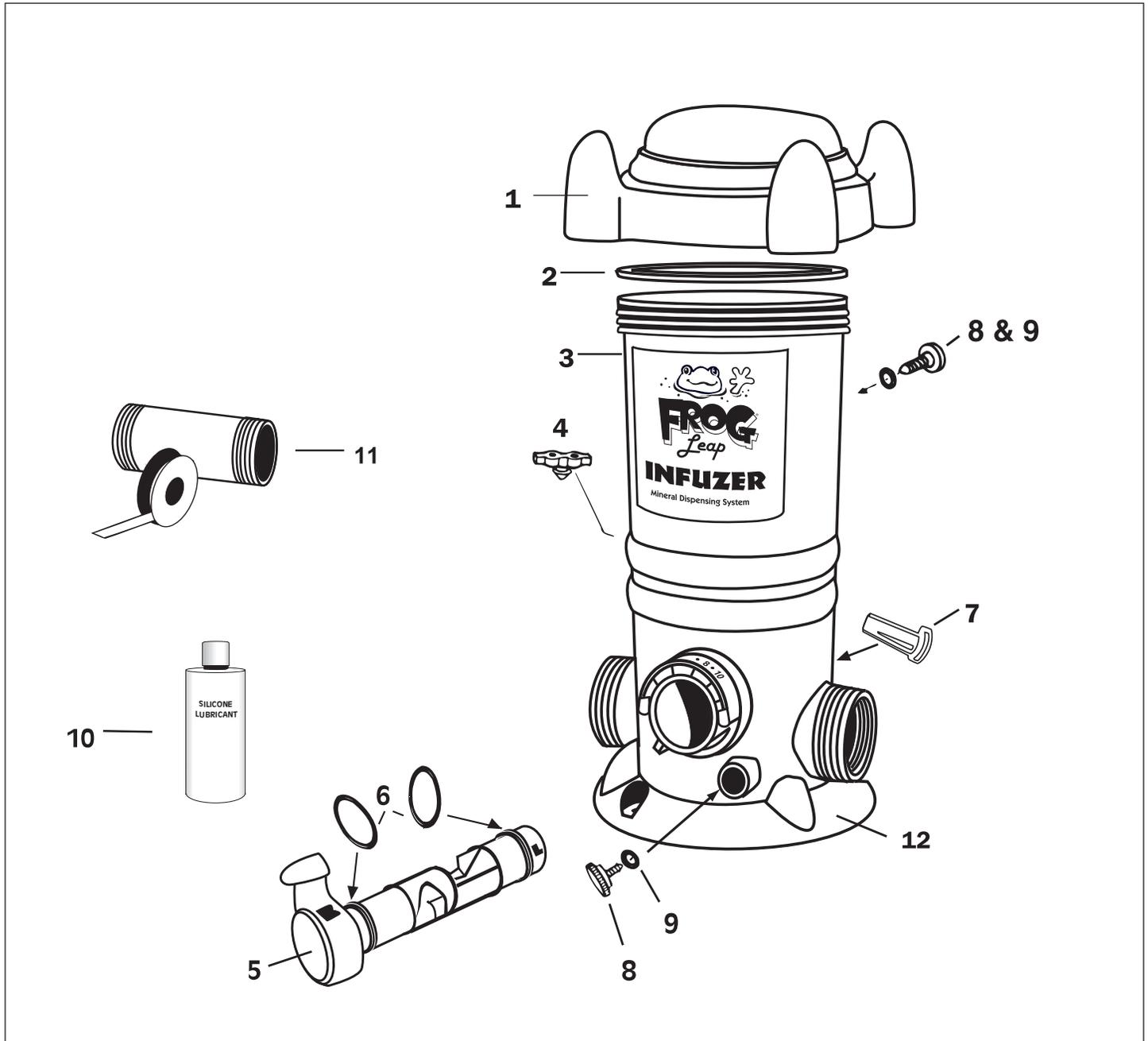
8b. When water is clear in FROG Leap® Infuzer®, proceed to inserting FROG Leap® Torpedo Pac®.

Troubleshooting

For more in-depth troubleshooting, go to www.FrogProducts.com

Problem	Remedy		
<p>1. What do I do if the water looks cloudy?</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 6).</p> <p>4. Shock the water to eliminate build up of any organic matter.</p> <p>5. Make sure pool has a</p>	<p>free chlorine reading of 0.5 to 1.0 ppm.</p> <p>6. Check with your dealer for more information.</p>
<p>2. What do I do if the water turns color?</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>3. What do I do if algae forms in or on my pool?</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 until</p>	<p>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®. See product hang tag for guarantee details.</p> <p>4. Check with your dealer for more information.</p>
<p>4. What do I do if I am under chlorinating with the FROG Leap® Torpedo Pac®?</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 by one increment each day until the</p>	<p>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>5. What do I do if I am over chlorinating with the FROG Leap® Torpedo Pac®?</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

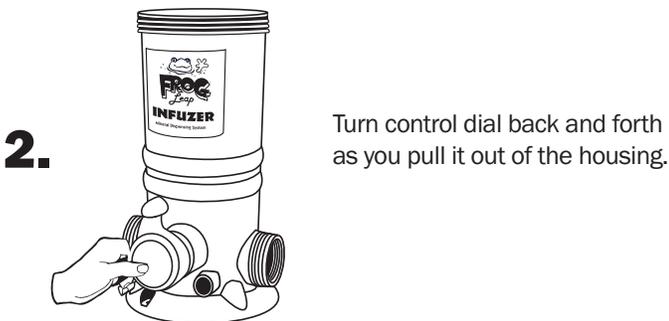
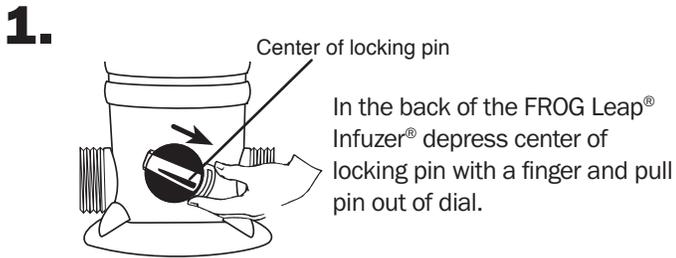
REF. #	DESCRIPTION	QTY. INCLUDED
1 & 2	Cap w/O-Ring	1
3	Body	1
4	Pressure Relief Valve	1
5, 6, 7	Control Dial with O-Rings and Locking Pin	1
8 & 9	Knob with O-Ring	2
10	Silicone Lubricant	1
11	Nipple Kit	1
12	Mounting Base	1

Replacement parts for FROG Leap® Infuzer® 7800

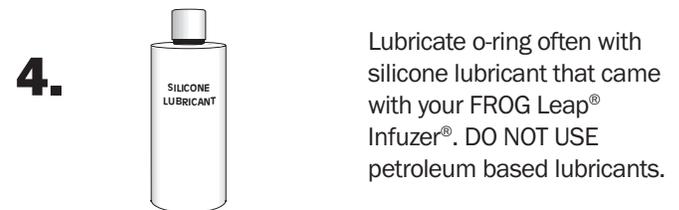
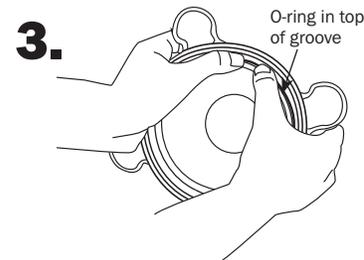
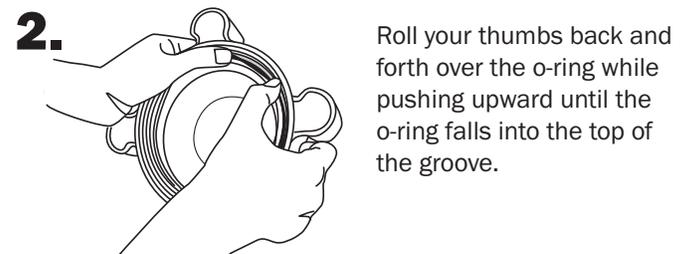
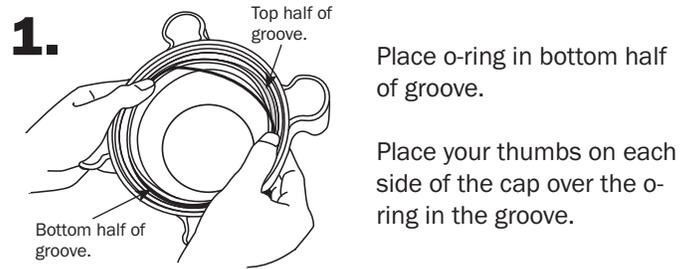
REF. #	PART NO.	DESCRIPTION
1 & 2	01-22-1416	Cap w/O-Ring
2	01-22-1920	Cap O-Ring
4	01-22-9486	Pressure Relief Valve
5, 6, 7	01-22-1457	Control Dial with O-Rings and Locking Pin
6	01-22-1456	Control Dial O-Ring Set
8 & 9	01-22-9946	Knob with O-Ring
10	01-22-9971	Silicone Lubricant
11	01-22-1710	Nipple Kit
12	01-22-1480	Mounting Base

FROG Leap® Infuzer® Maintenance

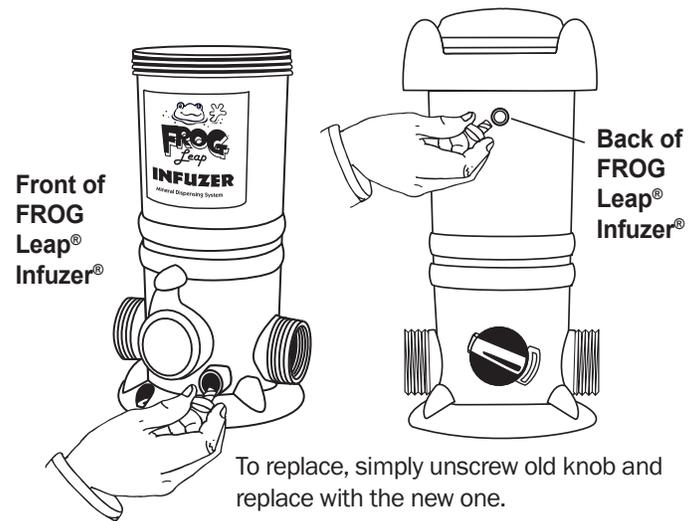
Replacing the Control Dial O-Rings



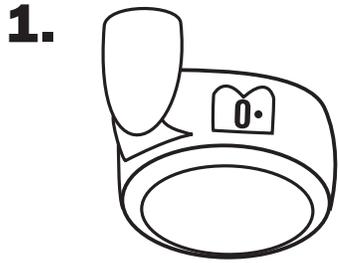
Replacing Cap O-Ring



Replacing Knobs



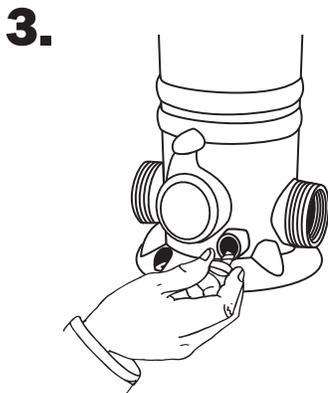
Winterizing



1. Turn pump off and turn dial to Setting 0.



2. Remove cap.



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



4. 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.



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



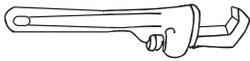
6. Replace the cap and knob loosely.

TOOLS NEEDED

Screwdriver



Pipe Wrench

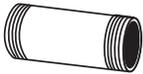


INCLUDED WITH FROG Leap® Infuzer®

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

-8 psi Back Pressure

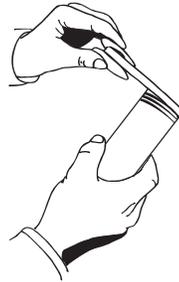
To avoid over or under chlorination, replace eye ball fittings in the return jets to a smaller or larger size to adjust back pressure. For best results use our pressure gauge, order part number 01-22-4000.



Filter Installation

1.

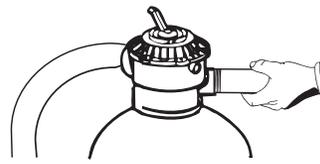
Apply pipe thread tape or sealant to each threaded end of nipple.



2.

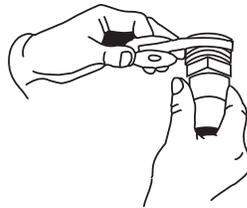
Screw one end of nipple into the filter return. Hand tighten. Finish tightening by turning 1 to 2 revolutions with wrench.

DO NOT OVER TIGHTEN.



4.

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



5.

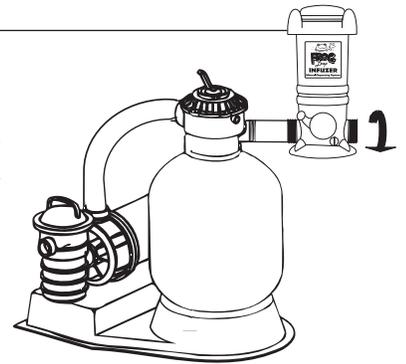
Screw adapter into the other side of FROG Leap® Infuzer®. Hand tighten. Finish tightening by turning 1 to 2 revolutions with wrench.

DO NOT OVER TIGHTEN.



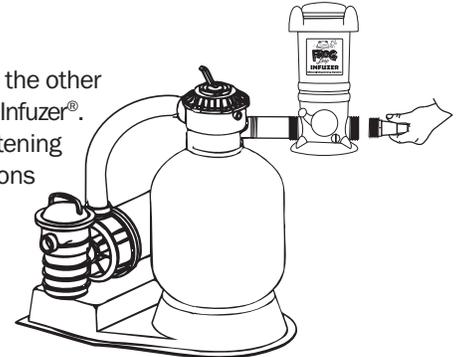
3.

Screw either side of FROG Leap® Infuzer® on to open nipple end until upright and secure.



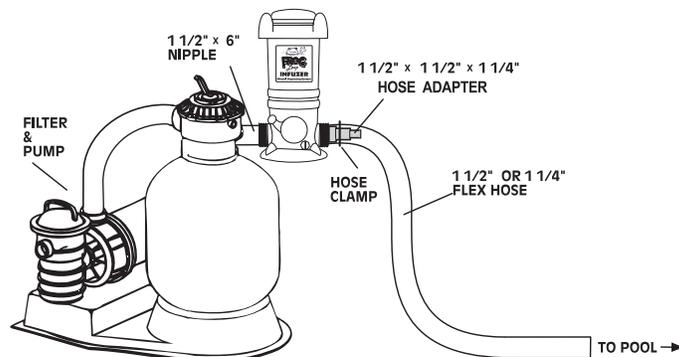
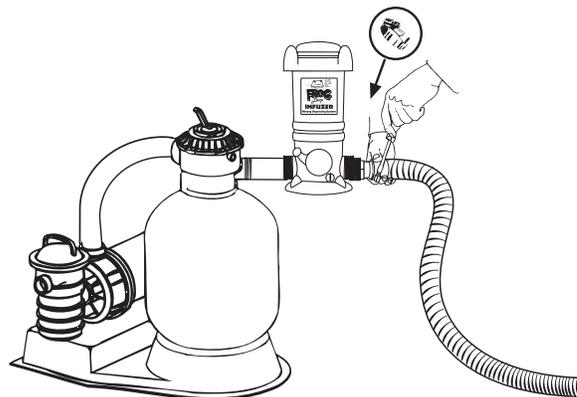
6.

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.

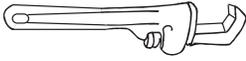


TOOLS NEEDED

Screwdriver



Pipe Wrench



Materials Needed

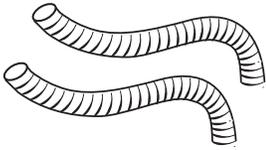
Pipe Thread Tape or Sealant



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

-8 psi Back Pressure

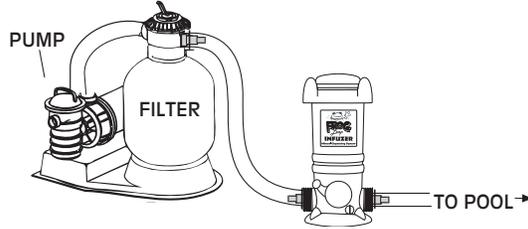
To avoid over or under chlorination, replace eye ball fittings in the return jets to a smaller or larger size to adjust back pressure. For best results use our pressure gauge, order part number 01-22-4000.



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



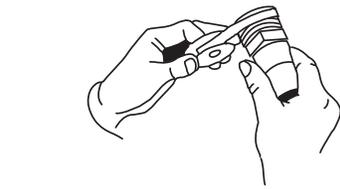
Base Installation



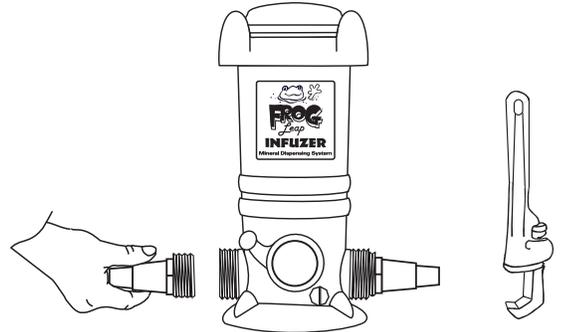
The FROG Leap® Infuzer® should always be installed between the filter and pool (or between heater and pool if applicable).



- 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.

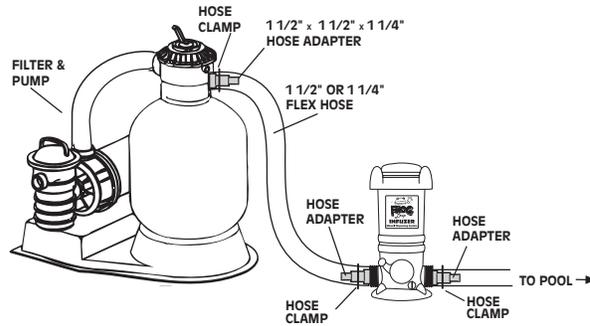
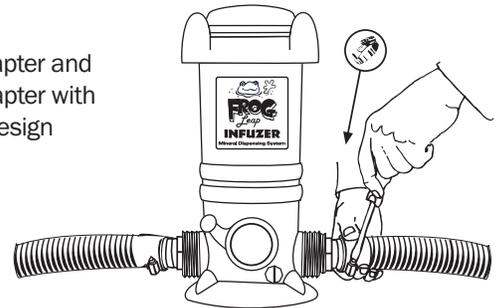


1. Apply pipe thread tape or sealant to the threaded end of both hose adapters.



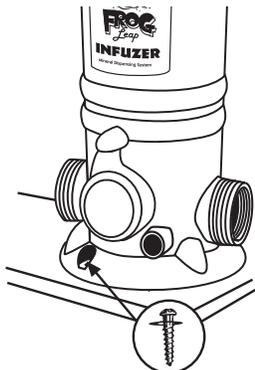
2. Screw adapters into each end of FROG Leap® Infuzer®. Hand tighten. Finish tightening by turning 1 to 2 revolutions with wrench. **DO NOT OVER TIGHTEN.**

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. will warrant this unit with a complete replacement for the original purchaser, should it prove defective by reason of improper workmanship and/or material for a period of two (2) years from the date of original purchase/installation. This warranty covers body, cap and control dial excluding o-rings. King Technology holds the option of replacing any defective part without charge if it is determined to be all that is needed to correct any situation. Parts used for replacement, with the exception of o-rings, are warranted for the remainder of the original warranty.

1. To obtain warranty service, you must deliver product 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 at www.FrogProducts.com/find-a-dealer or by calling King Technology at 1-800-222-0169. Proof of purchase is required when requesting warranty service. Purchaser must present the sales receipt or other document which establishes proof of purchase. To validate your warranty, complete the warranty card that came with your unit and return it to King Technology within 30 days of purchase and installation.

2. This warranty does not cover defects caused by: modification, alteration, repair or service of the product 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 - 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 in excess of the recommended setting levels for trichlor can result in excess sanitizers being discharged into the pool. This 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.

4. Any express warranty not provided for herein, and any remedy for breach of warranty or breach of contract which, but for this provision, might arise by implication or operation of law, is hereby expressly excluded and disclaimed. 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 implied warranties of merchantability and of fitness for any particular purpose are expressly limited to a term of two years. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

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 special, incidental or consequential damages or losses, whether arising out of breach of warranty, breach of contract or otherwise. Some states do not allow the exclusion or limitation of incidental consequential damages, so the above limitation or exclusion may not apply to you.

6. 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. All warranty null and void if this product is not used with the recommended FROG Leap® Anti-Bac Mineral Pac® and FROG Leap® Torpedo Pac®.



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.FrogProducts.com

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Made in U.S.A.

Patents: www.KingTechnology.com/IP

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