Product Description: A complete two part system for hot tubs up to 600 gallons consisting of the @ease Mineral Cartridge and the @ease SmartChlor Cartridge which together provide Fresh Mineral Water® that is cleaner because it kills bacteria two ways, cleaner because the minerals help keep the pH in an acceptable range with less monitoring and softer because minerals condition the water and with 75% less chlorine*, the water feels soft and doesn't fade swimsuits, damage equipment or create smelly odors. Replace the @ease Mineral Cartridge after 4 months or when draining and refilling hot tub with fresh water.

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Directions for Use: For use in hot tubs up to 600 gallons. Use this @ease Mineral Cartridge with the @ease SmartChlor Cartridge in the @ease In-Line System. Ensure all hot tub equipment is working properly. Operate the pump and filter for at least 3 hours per day. Clean filter following manufacturer's directions. Adjust pH to between 7.2-7.8. With a freshly filled hot tub, begin with FROG Jump Start start-up shock, that came in the package, following directions on that product. Always maintain a chlorine residual with @ease SmartChlor Cartridge of 0.5 to 1.0 ppm (EPA Reg. No.: 53735-14). Shock hot tub when you replace an @ease SmartChlor Cartridge or once a month. When using other products as outlined in directions for this product, always follow directions on those products. Keep the hot tub free of leaves and debris.

Setting @ease Mineral Cartridge: While holding the bottom of the cartridge, turn the top until the number 6 appears in the setting window.

Using the In-Line System: Open cap of In-Line System. Push down and turn cartridge holder counter-clockwise to unlock. Pull holder out. Snap the @ease Mineral Cartridge into the area marked "Minerals" (top portion) making sure to line up the indentation near the top of the cartridge with the raised line on the holder. For best results insert the @ease SmartChlor Cartridge (EPA Reg. No.: 53735-14) in the area marked "Bromine or SmartChlor" (bottom portion). When cartridge is snapped in, replace holder by lining up arrow on handle with arrow on system lip, push down and lock in place. Replace cap.

Disposal: After four months of use or when draining and refilling the hot tub with fresh water, discard @ease Mineral Cartridge in trash even if, upon shaking, it appears there is spent media left inside. Once wetted the time released minerals in the cartridge are effective up to four months. Non-refillable container. Do not reuse or refill this container.

NOTE: Buyer assumes all responsibility for safety and use not in accordance with directions.

* @ease System consists of the FROG minerals silver chloride and carbonate used with 0.5 ppm SmartChlor Cartridge. The @ease Mineral Cartridge must be used in conjunction with the @ease SmartChlor Cartridge (EPA Reg. No. 53735-14).

Net Wt.: 2.05 oz. (58 grams)
EPA Reg. No.: 53735-11
EPA Est. No.: 71209-A2-001

King Technology, Inc.
530 11th Ave S, Hopkins, MN 55343
www.FrogProducts.com
Patents: www.KingTechnology.com/IP

Do not print magenta die line.
Print color white print on a dark blue cartridge
front is 11.34 sq. inches
Keep out of reach of children - 8 pt.
CAUTION - 12 pt
In-Line Sanitizing System Operating Instructions

The In-Line System is made up of:

(a) a cap that is easily distinguishable among the fittings on the top of the hot tub
(b) a cartridge holder that pulls out of the system
(c) an @ease mineral cartridge that helps control bacteria in the water and
(d) an @ease SmartChlor Cartridge that helps support the minerals while avoiding contaminants like body oils and ammonia compounds responsible for smelly chloramines. The cartridges are adjustable to meet your specific hot tub water care needs.

Step 1: Prepare the Hot Tub

1. Fill hot tub with fresh water. If using source water that is high in iron or other metals, see your dealer before filling the hot tub. It may require the use of a metal control product.

2. Clean or replace filter cartridges. (Follow manufacturer’s instructions).

3. Balance water by following STEPS a – d in order. IMPORTANT: Always follow printed instructions on the balancing chemical packages. Add balancing chemicals in small increments one at a time with the jets on and wait 6 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: 150 - 250 ppm
   Total Dissolved Solids: <1500

   a. Take a water sample from the hot tub and dip an @ease® Test Strip into it.
   b. Look at the Total Alkalinity reading first. Adjustments should be made to bring 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 Total Alkalinity is in range, test for pH. It should be between 7.2 and 7.8. If higher or lower, add a pH adjuster.
   d. Lastly test for Calcium Hardness. It should be between 150 and 250 ppm. If higher, partially drain the hot tub (about 6 inches) and fill with water low in calcium. If lower, add Calcium Increaser. If balancing takes longer than 2 days, shock the water and maintain a chlorine level while continuing balancing.

Very Important! Before using cartridges, establish an initial residual of 0.5 – 1.0 ppm free chlorine with FROG® Jump Start® (EPA Reg. No.: 53735-12) startup shock, included in this package, that quickly dissolves with an effervescent fizing action – one packet per 500 gallons.

5. Heat water to the manufacturer’s recommended temperature.

6. Begin routine hot tub care (see Step 4: Routine Hot Tub Care) as soon as hot tub is prepared.

Step 2: Set the Cartridges

Set the blue Mineral Cartridge to #5 (hold the bottom and turn the top until 6 appears in the window). No further adjustments are necessary for the life of the cartridge.

Step 3: Put the System to Work

Remove holder by pushing down and turning counter clockwise before pulling out.

Snap the @ease Mineral Cartridge into the area marked “Minerals” (top portion) and the @ease SmartChlor Cartridge into the area marked “Bromine or SmartChlor” (bottom portion) making sure to line up the indentation at the top of the cartridges with the raised area on the holder.

Replacing Cartridges

Replace blue Mineral Cartridge every four months.

• Discard it in the trash even if it appears to have media left inside.
• Don’t attempt to reuse: the minerals are spent after 4 months.

Replace silver SmartChlor Cartridge when empty.

• Lifts of cartridge varies depending on hot tub size and number of users.
• Drain water from cartridge to ensure it is empty.
• Discard in trash or recycle.

Step 4: Routine Hot Tub Care

Drain and refill hot tub as directed by your hot tub manufacturer or every four months when FROG minerals need to be replaced.

Run filtration system as the manufacturer recommends to maintain proper water flow through the In-Line System.

Regularity test water with @ease Test Strips and follow directions in Step 1 for maintaining pH, Total Alkalinity and Calcium Hardness.

NOTE: pH is affected by bather load, chemicals used, evaporation and the make-up of your source water so maintaining water balance regularly is important.

Troubleshooting

• Cloudy Water or Low-Chlorine Levels

  • Check water balance, pH and Total Alkalinity need to be in the proper ranges for the @ease In-Line System to work correctly.
  • Check SmartChlor cartridge and replace if empty. Instructions under Step 3: Put the System to Work.
  • Check your calendar. The entire @ease system, including the mineral cartridge, needs to be replaced every four months. Without the minerals, the SmartChlor will not be enough to sanitize the hot tub.

High Chlorine Levels

• This is highly unlikely with @ease because SmartChlor is self-regulating. However, if you use shock treatment chemicals, it may appear that total chlorine is higher than the free chlorine.
• No worries—the strip is measuring the SmartChlor reserve, which will shift to free chlorine as needed. Please always use the @ease Test Strips that were included with your System.

Learn more at www.FrogProducts.com or call 800.222.0169


Cut-away view of cartridges snapped into and placed into the In-Line System.

Instructions

Operating In-Line System

1. Metal Out Cap
2. Mineral Cartridge
3. SmartChlor Cartridge
4. Cartridge Holder

Step 3: Put the System to Work

Open cap of In-Line System and set aside. DO NOT OPEN CAP WHILE JETS ARE ON.

Replace silver SmartChlor Cartridge when empty.

Set the blue Mineral Cartridge to #5 (hold the bottom and turn the top until 6 appears in the window). No further adjustments are necessary for the life of the cartridge.

Set the silver SmartChlor Cartridge to the setting that matches your hot tub size in gallons. SmartChlor will maintain a low 0.5 to 1.0 ppm chlorine level as long as the pH stays within 7.2 and 7.8 so there is little need to adjust the cartridge setting.

Manual by: King Technology, Inc.

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Made in U.S.A. Patents: www.KingTechnology.com/IP

EPA Reg. No.: CF0129-02-001

Manufactured by: King Technology, Inc.

In-Line System consists of the FROG® minerals silver chloride and carbonate used with other test strips. Unlike conventional chlorine, the SmartChlor reserve rarely shifts to free chlorine as needed, maintaining spa health with a low level of chlorine.

@ease® is the hot tub sanitizing system+ that takes the guess work out of water care so you always feel at ease while enjoying your hot tub.

• @ease creates Fresh Mineral Water® that is cleaner, clearer and softer.
• @ease employs SmartChlor® Technology that knows when and how much free chlorine is needed so it uses less.
• @ease requires far less shocking – only once a month!

Troubleshooting

• Cloudy Water or Low-Chlorine Levels

  • Check water balance, pH and Total Alkalinity need to be in the proper ranges for the @ease In-Line System to work correctly.
  • Check SmartChlor cartridge and replace if empty. Instructions under Step 3: Put the System to Work.
  • Check your calendar. The entire @ease system, including the mineral cartridge, needs to be replaced every four months. Without the minerals, the SmartChlor will not be enough to sanitize the hot tub.

High Chlorine Levels

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• No worries—the strip is measuring the SmartChlor reserve, which will shift to free chlorine as needed. Please always use the @ease Test Strips that were included with your System.

Learn more at www.FrogProducts.com or call 800.222.0169


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• @ease employs SmartChlor® Technology that knows when and how much free chlorine is needed so it uses less.
• @ease requires far less shocking – only once a month!
* ¡Muy importante! *Establezca un valor residual inicial de 1.0-2.0 ppm de cloro o bromo. Para obtener los mejores resultados use Frog's JumpStart® (Reg. de EPA n° 53735-12) que se disuelve rápidamente con una acción efervescente en un paquete por cada 1893 litros (500 galones).

4. Después de que la Alcalinidad total esté dentro del rango, analice el pH. Debe estar entre 7.2 y 7.8. Si es mayor o menor, agréguelo a régimen de pH.

5. Caliente el agua hasta la temperatura recomendada por el fabricante.

6. Comience a realizar el cuidado de rutina del jacuzzi (consulte el Paso 4: Cuidado de rutina del jacuzzi) inmediatamente después de la preparación del jacuzzi.

Paso 4: Cuidado de rutina del jacuzzi

1. Vacíe y vuelva a llenar el jacuzzi según las instrucciones del fabricante del jacuzzi. El agua debe mantener la concentración de cloro.

2. Opre el sistema de filtración según las instrucciones del fabricante del jacuzzi. Luego, mantenga un flujo de agua apropiado para el sistema en línea @ease.

3. Analice el agua regularmente. Mantenga los niveles de pH, Alcalinidad total y dureza de calcio con las tiras de prueba específicas @ease.

NOTA: El equilibrio del agua es afectado por la cantidad de barbietas, el uso de químicos, la evapotranspiración y la composición de la fuente del agua. Tomar las lecturas correctas de pH y Alcalinidad total es importante para mantener el equilibrio del agua en forma regular.

Solución de problemas

**Agua turbia o niveles bajos de cloro**

- Revise el equilibrio del agua. Si el pH y la Alcalinidad total deben estar dentro de los límites apropiados para el sistema en línea @ease, funcionará correctamente.
- Revise el cartucho @ease y reemplácelo si está vacío. Vea las instrucciones en “Activar el Sistema”.
- Revise el calendario. Todo el sistema en línea @ease, incluido el cartucho de minerales, debe reemplazarse cada cuatro meses. Sin los minerales, el sistema en línea @ease no será suficiente para desinfectar el jacuzzi.

**Niveles altos de cloro**

- Esto es muy improbable con @ease, ya que SmartChlor® se regula automáticamente. Sin embargo, si utiliza tiras de prueba de cloro, podría parecer que el cloro está demasiado alto. Para menor cloro, siempre use las tiras de prueba de cloro incluidas con el sistema.
- No se preocupar: la tira mide la reserva de SmartChlor®, que se convierte en cloro libre según se requiera. Siempre use las tiras de prueba de cloro incluidas con el sistema.

Más información en www.FrogProducts.com o llamar 800.222.0169.

* **El sistema @ease es el sistema de desinfección de jacuzzis que elimina la incertidumbre en el cuidado del agua, para que usted pueda estar tranquilo al disfrutar de su jacuzzi.**
- @ease crea agua mineral fresca Fresh Mineral Water® que es más limpia, más transparente y más suave.
- @ease utiliza tecnología SmartChlor® que sabe cuándo se requiere cloro libre y cuánto se necesita, de manera que utiliza menos.
- @ease no requiere más tratamientos de choque; ¡solo una vez al mes!
Floating Sanitizing System Operating Instructions

This is not a toy. For sanitizing hot tubs only!

@ease® is the hot tub sanitizing system that takes the guess work out of water care so you always feel at ease while enjoying your hot tub.

Step 1: Prepare the Hot Tub

1. Fill hot tub with fresh water. If using source water that is high in iron or other metals, see your dealer before filling the hot tub. It may require the use of a metal control product.

2. If previously using bromine and switching to @ease SmartChlor, you must drain and refill your hot tub before using this product.

3. Clean or replace filter cartridges when dirty (Follow manufacturer’s instructions).

4. Balance water by following STEPS A - D in order.

IMPORTANT: Always follow printed instructions on the balance chemicals package. Add balancing chemicals in small increments one at a time with the jets on and wait 6 hours before testing again and adding any additional balancing chemicals.

Step 2: Put the System To Work

The @ease Floating System has two replaceable cartridges.
Blue = Mineral Cartridge
Silver = SmartChlor Cartridge

The combination provides the Fresh Mineral Water benefits of cleaner, and softer water that is easier to take care of.

Simply follow these easy steps:

1. Remove outer packaging from the SmartChlor Cartridge.

2. Line up arrows on both cartridges, push together to lock.

3. Twist the dial on the SmartChlor Cartridge to the setting for your hot tub. (See chart based on gallons).

4. Toss into the hot tub, it will float in the water at a slight tilt.

If you like, remove @ease from the spa while soaking. Lift out @ease and let drain into the hot tub. Place on any surface not susceptible to chlorine bleeding. Remember to return it to the hot tub afterwards.

Replacing SmartChlor Cartridges:

When the @ease Floating System flips completely over, remove the Silver SmartChlor cartridge.

1. Detach chlorine cartridge by twisting to align with “unlock” arrow and pull apart.

2. Attach new cartridge (see Step 2: Put the System To Work)

3. Recycle empty cartridge or discard in trash.

Note: If the chlorine cartridge still contains a small amount after detachment, place in hot tub to float on its own until empty. Do not let it sit to bottom as it may bleach hot tub surface.

Step 3: Routine Hot Tub Care

1. Drain and refill hot tub as directed by your hot tub manufacturer or every four months when FROG minerals need to be replaced.

2. Run filtration system as recommended by your hot tub manufacturer.

3. Regularly test water with @ease Test Strips and follow directions in Step 1: for maintaining pH, Total Alkalinity and Calcium Hardness.

Note: pH is affected by bather load, chemicals used, evaporation and the make-up of your source water so maintaining water balance regularly is important.

4. SmartChlor will maintain 0.5-1.0 ppm free chlorine level as long as the water is balanced.

Note: Free Chlorine levels are reduced up to 75%* when using @ease minerals.

5. Shock the hot tub with a non-chlorine shock when you replace the SmartChlor Cartridge or once a month.

6. Replace the SmartChlor cartridge when the system flips over and the complete @ease Floating System as directed.

Troubleshooting

• Cloudy Water or Low-Chlorine Levels

• Cloudy water balance, pH and Total Alkalinity need to be in the proper ranges for the @ease Floating System to work correctly.

• Check SmartChlor Cartridge and replace if empty—see instructions under “Replacing SmartChlor Cartridge”.

• Check your calendar. The entire @ease Floating System, including the mineral cartridge, needs to be replaced every four months. Without the mineral cartridge, @ease® will not be enough to sanitize the hot tub.

• High Chlorine Levels

• This is highly unlikely with @ease because SmartChlor is self-regulating. However, if you use standard test strips, it may appear that total chlorine is higher than the free chlorine.

No worries—the strip is measuring the SmartChlor reserve, which will shift to free chlorine as needed. Please always use the @ease Test Strips that were included with your system.

Learn more at www.FrogProducts.com or call 800.222.0169

@ease System consists of the FROG minerals silver chloride and carbonate used with 0.5 ppm of FROG® SmartChlor. The @ease Mineral Cartridge ( EPA Reg. No. 137217-12) is made in conjunction with the @ease SmartChlor Cartridge (EPA Reg. No. 53735-14).

* Compared to the minimum ANSI recommended chlorine level of 2.0 ppm for a hot tub.
para el jacuzzi

1. Retire la envoltura exterior de los de @ease SmartChlor.

2. Coloque el sistema flotante en el jacuzzi permita que flote libremente. Fíjelo en el agua con una ligera inclinación. 

3. Continue el tratamiento de choque al jacuzzi de nuevo con un desinfectante en polvo o bien, una vez por mes. 

4. Llene el jacuzzi con agua dulce.

5. Ajuste el indicador en el cartucho de cloro (vea la Tabla de ajuste de @ease SmartChlor).

6. Coloque el nuevo cartucho (vea el paso 2: Active el sistema). 

7. Vuelva a colocarlo en el jacuzzi y revise si el cartucho SmartChlor está vacío, limpio y en buen estado.

8. Si es necesario, mantenga el cartucho de cloro en su sitio y reemplace el sistema flotante.@ease SmartChlor cuando se invierta el sistema. 

9. Pase el sistema a su sitio y gire para alinear las flechas. 

10. Continue el tratamiento de choque al jacuzzi de nuevo con un desinfectante en polvo o bien, una vez por mes. 

11. Limpie o reemplace los cartuchos del filtro (Siga las instrucciones del fabricante).

12. Coloque el nuevo cartucho (vea el paso 2: Active el sistema).

13. Vuelva a colocarlo en el jacuzzi y revise si el cartucho SmartChlor está vacío, limpio y en buen estado.

14. Si es necesario, mantenga el cartucho de cloro en su sitio y reemplace el sistema flotante. 

15. Registre su sistema desinfectante flotante @ease® en FrogProducts.com. 

Reemplazo del cartucho con @ease SmartChlor

Aplique un tratamiento de choque al jacuzzi con un desinfectante sin cloro si el agua tiene aspecto turbio o al sustituir el cartucho o una vez al mes.

Aplique un tratamiento de choque al jacuzzi con un desinfectante sin cloro si el agua tiene aspecto turbio o al sustituir el cartucho o una vez al mes.

Llene el jacuzzi con agua dulce. Si utiliza agua que proviene de una fuente con alto contenido de hierro u otros metales, consulte con su distribuidor antes de llenar el jacuzzi. Es posible que se necesite usar un producto de control de metales.

Si anteriormente utilizaba bromo y está cambiando a SmartChlor, primero deberá drenar y volver a llenar el jacuzzi.

Si antes utilizaba cloro, puede hacer la conversión a SmartChlor sin tener que drenar el jacuzzi.

Step 3: Cuidado de rutina del jacuzzi

1. Vacie y vuelva a llenar el jacuzzi según las instrucciones del fabricante del jacuzzi cada cuatro meses, cuando sea necesario cambiar los minerales.

2. Analice el agua regularmente. Mantenga los niveles de pH, alcalinidad total y dureza de cal con las tiras de prueba precisas @ease.

3. Revise el cartucho SmartChlor y reemplácelo si está vacío. Vea las instrucciones en “Reemplazo de cartuchos.”

4. Revise el calendario. Todo el sistema flotante @ease® debe reemplazarse cada cuatro meses. Si los minerales, SmartChlor no será suficiente para desinfectar el jacuzzi.

5. Coloque el sistema flotante en el jacuzzi permita que flote libremente. Fíjelo en el agua con una ligera inclinación.

6. Continue el tratamiento de choque al jacuzzi de nuevo con un desinfectante en polvo o bien, una vez por mes.

7. Llene el jacuzzi con agua dulce.

8. Ajuste el indicador en el cartucho de cloro (vea la Tabla de ajuste de @ease SmartChlor).

9. Coloque el sistema flotante en el jacuzzi permita que flote libremente. Fíjelo en el agua con una ligera inclinación.

10. Continue el tratamiento de choque al jacuzzi de nuevo con un desinfectante en polvo o bien, una vez por mes.

11. Llene el jacuzzi con agua dulce.

12. Ajuste el indicador en el cartucho de cloro (vea la Tabla de ajuste de @ease SmartChlor).

13. Coloque el sistema flotante en el jacuzzi permita que flote libremente. Fíjelo en el agua con una ligera inclinación.

14. Continue el tratamiento de choque al jacuzzi de nuevo con un desinfectante en polvo o bien, una vez por mes.

15. Llene el jacuzzi con agua dulce.

16. Ajuste el indicador en el cartucho de cloro (vea la Tabla de ajuste de @ease SmartChlor).

17. Coloque el sistema flotante en el jacuzzi permita que flote libremente. Fíjelo en el agua con una ligera inclinación.

18. Continue el tratamiento de choque al jacuzzi de nuevo con un desinfectante en polvo o bien, una vez por mes.