

JACUZZI® MINERAL CARTRIDGE

// FOR ABOVE-GROUND
AND IN-GROUND POOLS
UP TO 25,000 GALLONS



JACUZZI® MINERAL CARTRIDGE

// FOR ABOVE-GROUND
AND IN-GROUND POOLS
UP TO 25,000 GALLONS



The Jacuzzi® System* destroys bacteria and algae
growth with CRT

JACUZZI® TREATED WATER IS
BRILLIANTLY CLEAR AND SOFT

- Reduces chlorine odors
- Effectively controls algae
- Lower chlorine levels help keep the pool pH balanced

IT'S COMPATIBLE

- Compatible with most pool maintenance products^{****}
- Will not damage your pool equipment

KEEP OUT OF REACH OF CHILDREN
CAUTION CAUTION

See back panel for additional precautionary statements.

ACTIVE INGREDIENTS:

| | |
|---|---------|
| Metallic Silver ^{**} | 3.51% |
| Copper sulfate pentahydrate ^{**} | 8.23% |
| OTHER INGREDIENTS: | 88.26% |
| TOTAL: | 100.00% |

^{**}From Silver Nitrate

^{***}Copper (Cu) as Metallic..... 2.09

[†]The Jacuzzi® System[†] used in
conjunction with a chlorine delivery
device of 0.5 ppm of an EPA registered
chlorine pool product.

^{††}The Jacuzzi® System[†] consists of the
minerals silver and copper.

REPLACEMENT CARTRIDGE FOR
JACUZZI MINERAL CARTRIDGE SANITIZER

EPA Reg. No. 67712-1-11411

EPA Est. No. 91258-MEX-1

NET CONTENTS: ONE CARTRIDGE

JACUZZI® MINERAL CARTRIDGE

// FOR ABOVE-GROUND
AND IN-GROUND POOLS
UP TO 25,000 GALLONS

^{****}Do not use Jacuzzi® Mineral
Cartridge Sanitizer with
copper-based algaecides or
Biguanides.



PRODUCT SPECIFICATIONS

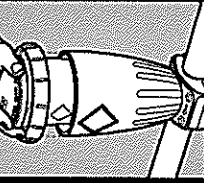
Capacity: For 5,000 to 25,000 gallon pools
Cartridge Life: Six (6) months
Run Time: Six (6) hours a day minimum

CHANGETHIS CARTRIDGE EVERY SIX (6) MONTHS

Use of this cartridge for longer than six (6) continuous months will void the warranty. Discard this cartridge at the end of six (6) months.

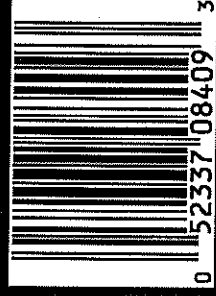
INSTALLATION PROCESS:

Please refer to the Jacuzzi® Mineral Cartridge Operating Manual for installation instructions. Refer to the Jacuzzi® Mineral Cartridge Owner's Manual for start-up instructions.



Installation of a Jacuzzi® Mineral Cartridge Sanitizer replacement cartridge takes just minutes. First turn off the pool pump. Then simply remove the existing cartridge from your Jacuzzi® Mineral Cartridge Sanitizer and replace with your new cartridge.

JACUZZI® MINERAL CARTRIDGE
// FOR ABOVE-GROUND AND IN-GROUND POOLS
UP TO 25,000 GALLONS



©2020 Jacuzzi Inc. All rights reserved. Jacuzzi® is a registered trademark of Jacuzzi Inc. and used under license agreement. All other brands, product names, company names, trade names and trademarks used are the property of their respective owners. Reproduction in whole or in part without written permission is prohibited.

Visit jacuzzi.pool.com for more information.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. See owner's manual inside box for directions for use.

DISPOSAL

After six (6) months of use, discard cartridge in household trash. Do not save the cartridge for re-use. The cartridge is manufactured with mineral media sealed inside. In the unlikely event a cartridge breaks, remove it and vacuum out any media introduced into the pool water.

The Mineral Pool Sanitizer

The Jacuzzi® System™ - Controlled Release Technology (CRT) controls the release of silver and copper mineral ions into your pool water. The Jacuzzi® System™ with CRT effectively sanitizes your pool.

- Kills bacteria
 - Restores water clarity
 - Reduces chlorine use to just 0.5 ppm
- To keep your Jacuzzi® Mineral Cartridge Sanitizer operating properly, it is necessary to change the cartridge every six (6) months.

JACUZZI® MINERAL CARTRIDGE
// FOR ABOVE-GROUND AND IN-GROUND POOLS
UP TO 25,000 GALLONS

MADE IN MEXICO
Manufactured for:
LPM Manufacturing, Inc.
2005 E. Indian School Rd.
Phoenix, AZ 85016
C0321609 Rev. B
Rev. 2/20



OWNER'S MANUAL

EPA Reg. No. 67712-1-11411

EPA Est. No. 91258-MEX-1

JACUZZI MINERAL CARTRIDGE SANITIZER & JACUZZI MINERAL CARTRIDGE

SAFETY INSTRUCTIONS - IMPORTANT INFORMATION

PLEASE READ PRIOR TO INSTALLATION. Jacuzzi Mineral Cartridge Sanitizer has been designed to sanitize swimming pools from 5,000 to 25,000 gallons.



ATTENTION

Failure to heed the following can result in permanent injury, electrocution or drowning

EQUIPMENT UNDER PRESSURE

- Always turn pump off prior to installing or changing cartridge. Your pump/filter system is operated under pressure and the pressure must be released before you begin work. Please see your pump/filter owner's manual for further instructions.

PREVENT CHILD DROWNING

- Do not let anyone, especially small children, sit, step, lean or climb on any equipment installed as part of your pool's operational system. Locate the components of your operational system at least 3 feet from the pool so children cannot use the equipment to access the pool and be injured or drown.

LOW CHLORINE RECIPE

- You must strictly follow the low chlorine recipe included in this manual to maintain proper water chemistry and avoid health hazards. Failure to follow these instructions can lead to sickness from bacteria and other noxious organisms

IMPORTANT: Pool Owner, save this manual.

Builders, leave this manual with pool owner.



CAUTION

PRECAUTIONARY STATEMENT HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

- In the unlikely event that a cartridge breaks, mineral media should not be ingested by humans or animals as it may cause gastric distress.

FIRST AID

IF INGESTED: Call poison control center or doctor immediately for treatment advice.

The Jacuzzi Mineral Cartridge Sanitizer is designed only for residential swimming pools.

*The Jacuzzi Mineral Cartridge Sanitizer† is used in conjunction with a chlorine delivery device or 0.5 ppm of an EPA registered chlorine pool product.

†The Jacuzzi Mineral Cartridge Sanitizer† consists of the minerals silver and copper.

H0685100_REVA



We ask you to take the time to get familiar with this manual.

Thank you for purchasing the Jacuzzi Mineral Cartridge Sanitizer. We believe the more you know, the more enjoyable your family's swimming experience will be – and the more you will reduce the time, effort and cost of maintaining your pool. Pool owners who switch from conventional chemical programs to the Jacuzzi Mineral Cartridge Sanitizer* spend less time maintaining their pools. Every pool has its own characteristics of water type, amount of sunlight, etc. The recipe included in this manual will help insure good water quality for your pool. Remember, your authorized Jacuzzi dealer can provide professional advice and service.

CONTENTS

| | |
|--------------------------------------|---|
| Start Up | 2 |
| Balance the Water..... | 3 |
| Install the Cartridge..... | 3 |
| Recipe | 4 |
| Provide Filtration/Circulation..... | 5 |
| Cartridge Replacement Intervals..... | 5 |
| Winterizing Your Pool..... | 5 |
| Disposal | 6 |
| Troubleshooting | 6 |

DIRECTIONS FOR USE:

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

JACUZZI MINERAL CARTRIDGE SANITIZER COMPATIBILITY

The Jacuzzi Mineral Cartridge Sanitizer* can be used with all types of pool chemical treatments available except biguanide products and copper based algaecides.

Important: When converting a biguanide treated pool to the Jacuzzi Mineral Cartridge Sanitizer*, the pool must be completely drained and refilled. Then follow the cartridge start-up procedure below.

START UP

Before starting up a new cartridge, clean debris and algae out of the pool and pool equipment.

Important: Do not install the new cartridge until the pool water is clean and chemically balanced.

Balance pool water before installing cartridge.

- pH 7.4-7.8
- Calcium hardness 200-400 ppm
- Total alkalinity 80-150 ppm

Consult with your Jacuzzi Dealer for specific water balance instructions.

BALANCE THE WATER

To find out if your pool water is balanced:

- take a water sample to your dealer to be tested regularly, or
- ask your dealer to recommend a pool test kit for water balance.

| | | |
|---|-------------------|---|
| Element: pH Range: 7.4-7.8 | If it's too low: | The surface of your pool can become etched. Metal parts in the pump and plumbing will corrode. |
| | How to fix: | Add pH increaser. |
| | If it's too high: | "Scale" forms on the surface of your pool. The water can become cloudy. Equipment can become damaged. |
| | How to fix: | Add pH decreaser. |
| Element: Calcium Hardness Range: 200-400 ppm | If it's too low: | Water is less stable. In plaster pools, the calcium is taken out of the plaster, causing the surface to deteriorate. |
| | How to fix: | Add calcium hardness increaser. |
| | If it's too high: | Rough, discolored deposits ("scale") will form on the pool surface and inside pool equipment. |
| | How to fix: | Drain or dilute the pool water. Consult your dealer. |
| Element: Total Alkalinity Range: 80-150 ppm | If it's too low: | It provides no buffer so that you constantly get fluctuating pH readings, which can damage equipment and pool surfaces. |
| | How to fix: | Use an alkalinity increaser. |
| | If it's too high: | White deposits ("scale") form on the tile line. The plaster on pool surface becomes rough or discolored. The water becomes cloudy or milky white. |
| | How to fix: | Add acid to bring alkalinity down. |

INSTALL THE CARTRIDGE

1. Install the cartridge after water is balanced. Refer to your operating manual for additional instructions.
2. Superoxidize the pool water with chlorine according to manufacturer's instructions to burn off contaminants and activate cartridge.

Important: Initial superoxidation with chlorine is required to burn off contaminants and activate cartridge.

3. Run the circulating pump either:
 - 24 hours a day for 4 days, maintaining 1-2 ppm free chlorine throughout, or
 - 6 hours a day for 14 days, maintaining 1-2 ppm free chlorine throughout.
4. Let chlorine dissipate to 0.5 ppm once start up period is completed.
 - Do not enter the pool if the free available chlorine residual is over 3 ppm.

RECIPE

There is one (1) recipe for maintaining clean, clear, sanitized water with minimum time and effort. This recipe provides the easiest and most economical way to care for your pool.

Low-Chlorine Recipe

Ingredients:

- Jacuzzi Mineral Cartridge
- Calcium hardness increaser, if needed
- Chlorine granules, tablets, liquid or generator
- Water test kit
- pH and total alkalinity adjusting chemicals

Once the 4-day or 14-day start-up period is done, allow the free available chlorine residual to drop to 0.5 ppm (by reducing the amount of chlorine you add) then:

| WHEN | WHAT TO DO |
|--------------|--|
| Every day | Run pump and filter at least six (6) hours every day. |
| Once a week | Balance pH and total alkalinity. |
| Twice a week | Check chlorine residual; add chlorine to maintain at least a 0.5 ppm range using the chart below. |
| As needed | If water is hazy, superoxidize with chlorine according to manufacturer's instructions. Additional shocking is recommended following rainstorms or heavy bather load. Do not re-enter the pool if the free available chlorine residual is over 3 ppm. |

Add the following amounts of chlorine per 10,000 gallons of water to increase free chlorine by 0.5 ppm.

| Type of Chlorine Containing Compound | % Active Ingredient | % Available Chlorine Content | Ounce Quantity Required | Gram Quantity Required |
|---|---------------------|------------------------------|-------------------------|------------------------|
| Sodium Hypochlorite Liquid | 5.25 | 5.25 | 12.7 | 361 |
| Sodium Hypochlorite Liquid | 9.2 | 9.2 | 7.3 | 206 |
| Sodium Hypochlorite Liquid | 10 | 10 | 6.5 | 184 |
| Sodium Hypochlorite Liquid | 12 | 12 | 5.6 | 158 |
| Calcium Hypochlorite | 65 | 64 | 1.1 | 30 |
| Dichloroisocyanurate | 99 | 62 | 1.1 | 30 |
| Lithium Hypochlorite | 29 | 35 | 1.9 | 54 |
| Trichloro-s-triazinetrione | 99 | 90 | 0.7 | 21 |
| Chlorine Gas, from any source including chlorine generators | 100 | 100 | 0.7 | 19 |

PROVIDE FILTRATION/CIRCULATION

| To manage: | You need to: |
|-------------|---|
| Circulation | <p>Follow the manufacturer's directions for keeping the circulating pump in good working order and operate it at least six (6) hours a day.</p> <p>Consult your Jacuzzi dealer for optimum run times.</p> |
| Filtration | <p>Check the pool's filter periodically and clean it as recommended by the manufacturer.</p> |

CARTRIDGE REPLACEMENT

Use the month indicator ring on the top of the cartridge to identify the date on which the cartridge should be replaced. Always turn pump off prior to installing or changing the cartridge. Your pump/filter is operated under pressure and the pressure must be released before you begin work. Please see your pump/filter owner's manual for further instructions.

A cartridge lasts six (6) months or one (1) season, whichever is shorter. The cartridge should not be used longer than six (6) continuous months.

WINTERIZING YOUR POOL

Use these steps as a guide. Consult your dealer for specific information in your area.

Warm Climate

- Reduce the number of hours the pump runs since the cooler weather decreases the spread of algae and other pollutants.
- There is no need to superoxidize the pool during cool weather unless the water becomes cloudy (as may occur after a winter storm). See Cloudy Water in Troubleshooting section.

Cold Climate

- Check total alkalinity and pH of pool to make sure that they are in proper balance.
- Vacuum the pool bottom to remove any debris or other potential contaminants.
- Superoxidize the pool with chlorine according to manufacturer's instructions to clear the water.
- Add a winter algaecide following manufacturer's instructions.
- **Important:** Do not use a winter algaecide with copper in it. This will void the no-stain warranty.
- Backwash the filter.
- Drain part of the pool water. The amount to drain varies from one part of the country to another. Consult your dealer for advice.
- Remove the cartridge and discard with household trash.
- Winterize the pipes with pool antifreeze following manufacturer's instructions.
- Drain the water out of all equipment (pump, filter, etc.).
- Store all baskets, hoses and cleaning equipment, indoors if possible.
- Cover the pool with a winter cover.

DISPOSAL

After six (6) months of use, discard the cartridge in household trash. Do not save the cartridge for re-use. The cartridge is manufactured with the mineral media sealed inside. In the unlikely event a cartridge breaks, remove it and vacuum out any media introduced into the pool.

TROUBLESHOOTING GUIDE

| | PROBLEM | WHAT TO LOOK FOR |
|---|---|--|
| Cloudy water Frequently caused by improper start up. See section on Start Up and Install the Cartridge. | Poor filtration | Slow filter turnover rates. |
| | Algae growth | Hazy pool water; may have slightly green appearance. |
| | Unbalanced water | 1. High hardness 2. High TDS (total dissolved solids) 3. High pH 4. High total alkalinity |
| Algae Algae may be caused by insufficient levels of oxidizer and/or inadequate water circulation. | Green algae | Pea green color; attaches to pool walls; and sometimes colors the entire body of water. |
| | Black algae | Black spots on pool walls. |
| | Mustard algae | Yellow or brown film on steps or walls. |
| | Note: Regular algaecide treatments are recommended for outdoor pools that experience persistent algae problems. Do not use algae treatments containing either copper or sodium bromide. | |
| Stains | Blue/green | Copper or iron from pool equipment corrosion or water supply. |
| | Red/brown | Iron or Manganese from equipment corrosion or water supply. |
| | Black | Manganese in water supply. |
| | Metal tarnishing | High native mineral content in water; unbalanced water. |
| Scale | Crusty deposits on pool surfaces | High pH and high total alkalinity. |
| | | High TDS (total dissolved solids) or high hardness levels. |

| | TREATMENT |
|--|---|
| | <ol style="list-style-type: none"> 5. Backwash and clean filter. 6. Run filter for 24 hours. 7. Increase run time per day. |
| | Superchlorinate water with chlorine according to manufacturer's instructions and brush pool walls. |
| | Balance the pool water. |
| | <ol style="list-style-type: none"> 1. Check pH and adjust if necessary. 2. Superchlorinate water with chlorine according to manufacturer's instructions and brush pool walls. 3. Repeat steps 1 and 2 until algae is gone. |
| | <ol style="list-style-type: none"> 1. Brush affected areas. 2. Superchlorinate water with chlorine according to manufacturer's instructions. 3. Add algaecide. 4. Vacuum pool. 5. Repeat steps 1 through 4 until algae is gone. |
| | <ol style="list-style-type: none"> 1. Adjust pH and total alkalinity to ideal ranges. 2. Vigorously brush stained areas. 3. Add sequestrant. 4. Run filter. 5. Twelve hours later, superchlorinate pool. 6. Test and balance water. 7. Test pool water for dissolved metals. |
| | Clean with soft cloth and mild detergent. Test water for minerals; use a sequestrant; and maintain water balance. |
| | Adjust pH and total alkalinity to ideal ranges. |
| | <ol style="list-style-type: none"> 1. Replace a volume of pool water with water low in hardness and dissolved solids. 2. Use sequestrant to prevent scale buildup if high hardness levels are a continuing problem. |



www.jacuzzi.com
Phoenix, AZ

© 2019 Jacuzzi Inc. All rights reserved.

Jacuzzi® is a registered trademark of Jacuzzi Inc. and used under license agreement. All other brands, product names, company names, trade names and trademarks used are the property of their respective owners. Jacuzzi may add to change or remove any part of these materials at any time, without notice. Reproduction in whole or in part without written permission is prohibited. International products may be configured differently to meet local electrical requirements. Dimensions are approximate.