THE MINERAL SANITIZING SYSTEM

Minerals, such as silver and copper, have long been known for their sanitizing properties. The Nature® System* brings the benefits of these elemental ingredients to create pool water that is noticeably cleaner and clearer.

Nature® is an effective pool sanitizing solution. In conjunction with your pool's filtration system, it delivers minerals to provide improved pool water, allowing you to use less chlorine. With Nature®, your swim experience is clean and fresh.

*The Nature® System consists of the patented Nature® technology used in conjunction with a chlorinator, chlorinator or pool pump or a D.E. or R.P. filter system and cleaner of your choice.

**Nature® technology consists of two minerals: silver and copper.
Vision Pro aboveground

Replacement Cartridge for Vision Pro Systems

Mineral sanitizing system for fresh clean pool water

Algae control
Minerals and innovation unite for enhanced water quality and algae control.

Increased chlorine effectiveness
Nature delivers minerals to provide improved pool water quality and allows you to use less chlorine.

6 MONTH GUARANTEE
- controls algae
- The Nature System destroys bacteria
- won’t stain

Keep out of reach of children
CAUTION

See back panel for additional precautionary statements.

EPA Reg. No. 5777Z-2
EPA Est. No. 5777Z-CA-001
Net contents: One Cartridge
Nature² Vision Pro Cartridge Front Label
(H0353600)

Pink Line = Die Line
Color: 1/0, black
Label Color: White
Nature² Vision Pro Cartridge Back Label
(H0353700)

1.8125"

R .05"

2.3125"

Pink Line = Die Line
Color: 1/0, black
Label Color: White

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H0353700 Rev.:
Vision®
aboveground
Mineral Purifier Cartridge

Cartridge Capacity
Vision Pro - 5,000 - 30,000 Gal. (19,000 - 130,000 L)

IMPORTANT: Pool Owner, save this manual!
Leave this manual with the pool owner!
Keep all manuals for future reference.

The Vision Pro System consists of the patented Nature² Cartridge used in conjunction with the tablet erosion feeder device. The Nature² Cartridge augments the bactericidal and algicidal activity of the primary disinfectant, chlorine.

Safety Instructions
Important Information
Please read prior to installation

The Vision Pro cartridge has been designed to sanitize swimming pools from 5,000 - 30,000 Gal. (19,000 - 130,000 L)

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

EQUIPMENT UNDER PRESSURE: Always turn pump off prior to installing or changing Nature² 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 ft. (1 m) 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.

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 Centre or doctor immediately for treatment advice.

The Nature² Vision Pro is designed only for residential swimming pools.

*The Nature² Vision Pro System consists of the patented Nature² technology used in conjunction with a chlorine delivery device or 0.5 ppm of an EPA registered chlorine pool product.

¹Nature² technology consists of the minerals silver and copper.
We ask you to take the time to get familiar with this manual.

Thank you for purchasing the Vision Pro cartridge with Nature® Technology. 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. Every pool has its own characteristics of water chemistry, amount of sunlight, etc. The recipe included in this manual will help insure good water quality for your pool. Remember, your Vision Pro dealer can provide advice and service.

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DIRECTIONS FOR USE:

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

VISION PRO COMPATIBILITY

Vision Pro Systems can be used with all types of pool chemical treatments available *except biguanide products and copper based algaeicides.*

**Important:** When converting either a biguanide or bromine treated pool to the Vision Pro System, the pool must be completely drained and refilled. Then follow the cartridge start-up procedure below.

Start-Up

Before starting up a new Vision Pro 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 Vision Pro cartridge.
  - pH 7.4 - 7.8
  - Calcium hardness 200 - 400 ppm
  - Total alkalinity 80 - 150 ppm
# 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

<table>
<thead>
<tr>
<th>If it's too low:</th>
<th>The surface of your pool can become etched. Metal parts in the pump and plumbing will corrode.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>How to fix:</strong></td>
<td>Add pH increaser.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>If it's too high:</th>
<th>“Scale” forms on the surface of your pool. The water can become cloudy. “Scale” forms on your pool equipment.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>How to fix:</strong></td>
<td>Add pH decreaser.</td>
</tr>
</tbody>
</table>

## Element: Calcium Hardness

**Range:** 200 - 400 ppm

<table>
<thead>
<tr>
<th>If it's too low:</th>
<th>Water is less stable. In plaster pools, the calcium is taken out of the plaster, causing the surface to deteriorate.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>How to fix:</strong></td>
<td>Add calcium hardness increaser.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>If it's too high:</th>
<th>Rough, discolored deposits (“scale”) will form on the pool surface and inside pool equipment.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>How to fix:</strong></td>
<td>Drain or dilute the pool water. Consult your dealer.</td>
</tr>
</tbody>
</table>

## Element: Total Alkalinity

**Range:** 80 - 150 ppm

<table>
<thead>
<tr>
<th>If it's too low:</th>
<th>It provides no buffer so that you constantly get fluctuating pH readings, which can damage equipment and pool surfaces.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>How to fix:</strong></td>
<td>Use an alkalinity increaser.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>If it's too high:</th>
<th>White deposits (“scale”) form on the tile line. The plaster on pool surface becomes rough or discolored. The water becomes cloudy or milky white.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>How to fix:</strong></td>
<td>Add acid to bring alkalinity down.</td>
</tr>
</tbody>
</table>
Install the Cartridge

1. **Install the cartridge** after water is balanced. Refer to your Vision Pro vessel operating manual for additional instructions regarding your particular model’s installation.

2. **Superoxidize the pool** water with chlorine according to manufacturer's instructions to burn off contaminants and activate the 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 or less than 0.5 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 Vision Pro pool. (0.5 ppm free available chlorine minimum.)

**Ingredients:**
- Vision Pro Cartridge
- Zodiac Z-Tab feeder which uses Tri-Chlor
- pH and total alkalinity adjusting chemicals
- Calcium hardness increaser, if needed
- Water test kit

**When:**

<table>
<thead>
<tr>
<th></th>
<th>What to do</th>
</tr>
</thead>
<tbody>
<tr>
<td>Every day</td>
<td>Balance alkalinity and pH. Check chlorine residual; adjust Vision Pro output to maintain at least a 0.5 ppm.</td>
</tr>
<tr>
<td>Once a month</td>
<td>Test the stabilizer reading. Maintain between 30-100 ppm. Test the calcium hardness. Maintain between 200-400 ppm.</td>
</tr>
<tr>
<td>As needed</td>
<td>If water is hazy shock the pool with chlorine. Shock the pool following rainstorms or heavy bather load.</td>
</tr>
</tbody>
</table>

Provide Filtration/Circulation

**To manage:**

<table>
<thead>
<tr>
<th></th>
<th>You need to:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Circulation</td>
<td>Follow the manufacturer’s directions for keeping the circulating pump in good working order and operate it at least six (6) hours a day. Consult your dealer for optimum run times.</td>
</tr>
<tr>
<td>Filtration</td>
<td>Check the pool’s filter periodically and clean it as recommended by the manufacturer.</td>
</tr>
</tbody>
</table>
Vision Pro Cartridge Replacement Intervals

Always turn pump off prior to installing or changing a Vision Pro 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

1. **Reduce the number of hours the pump runs** since the cooler weather decreases the spread of algae and other pollutants.

2. **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

1. **Check total alkalinity and pH** of pool to make sure that they are in proper balance.

2. **Vacuum the pool bottom** to remove any debris or other potential contaminants.

3. **Superoxidize** the pool with chlorine according to manufacturer’s instructions to clear the water.

4. **Add a winter algaecide** following manufacturer’s instructions.

**Important:** Do not use a winter algaecide with copper in it. This will void the Vision Pro no-stain warranty.

5. **Backwash the filter.**

6. **Drain part of the pool water.** The amount to drain varies from one (1) part of the country to another. Consult your dealer for advice.

7. **Remove the Vision Pro cartridge** and discard with household trash.

8. **Winterize the pipes** with pool antifreeze following manufacturer’s instructions.

9. **Drain the water** out of all equipment (pump, filter, etc.).

10. **Store** all baskets, hoses and cleaning equipment, indoors if possible.

11. **Cover the pool** with a winter cover.
## Troubleshooting Guide

<table>
<thead>
<tr>
<th>Problem</th>
<th>What to look for</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cloudy water</td>
<td>Poor filtration <strong>Slow filter turnover rates.</strong></td>
</tr>
<tr>
<td></td>
<td>Frequently caused by improper start up. See section on Start Up and Install the Cartridge.</td>
</tr>
<tr>
<td>Algae growth</td>
<td>Hazy pool water; may have slightly green appearance.</td>
</tr>
</tbody>
</table>
| Unbalanced water | 1. High hardness  
|                | 2. High TDS (total dissolved solids)  
|                | 3. High pH  
|                | 4. High total alkalinity                                                       |
| Algae          | 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 algaecide treatments containing either copper or sodium bromide.

<table>
<thead>
<tr>
<th>Stains</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue/green</td>
<td>Copper or iron from pool equipment corrosion or water supply.</td>
</tr>
<tr>
<td>Red/brown</td>
<td>Iron or manganese from equipment corrosion or water supply.</td>
</tr>
<tr>
<td>Black</td>
<td>Manganese in water supply.</td>
</tr>
<tr>
<td>Metal tarnishing</td>
<td>High native mineral content in water; unbalanced water.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Scale</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Crusty deposits on pool surfaces</td>
<td>High pH and high total alkalinity.</td>
</tr>
<tr>
<td></td>
<td>High TDS (total dissolved solids) or high hardness levels.</td>
</tr>
</tbody>
</table>
Consult your Nature² Dealer for additional assistance or call 1-800-822-7933.

Treatment

1. Backwash and clean filter.
2. Run filter for 24 hours.
3. Increase run time per day.

Superchlorinate water with chlorine according to manufacturer’s instructions and brush pool walls.

Balance the pool water.

Check pH and adjust if necessary.

1. Superchlorinate water with chlorine according to manufacturer’s instructions and brush pool walls.
2. Repeat steps 1 and 2 until algae is gone.

1. Brush affected areas.
2. Superchlorinate water with chlorine according to manufacturer’s instructions.
3. Add algaeicide.
5. Repeat steps 1 through 4 until algae is gone.

Adjust pH and total alkalinity to ideal ranges.

1. Vigorously brush stained areas.
2. Add sequestrant.
3. Run filter.
4. Twelve hours later, superchlorinate pool.
5. Test and balance water.
6. 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.

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.
Disposal

After six (6) months of use, discard Vision® Pro 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.

Vision Pro Cartridge Warranty

The limited warranties contained within this document are the only warranties given with your Vision Pro Cartridge and supersede any prior warranties. All other warranties, expressed or implied, including the implied warranty of merchantability or the implied warranty of fitness for a particular purpose are hereby disclaimed. Our sole obligation under this warranty, and the purchaser’s sole remedy, is limited to repair or replacement of the Vision Pro Cartridge. The Vision Pro Cartridge warranty applies to the original owner only.

Vision Pro Cartridges are warranted to be free of defects in materials and to perform satisfactorily for a period of six (6) months from the date of purchase. Vision Pro Cartridges are warranted not to cause copper staining in your pool. This limited warranty requires that you exercise reasonable care of your pool and keep water in balance at all times and not use a copper-based algaeicide. This limited warranty does not cover discoloration to chromium fittings. This warranty does not cover cartridges used with any biguanide products.

If the cartridge is defective and does not perform satisfactorily for the entire six (6) months, we will make a prorata rebate based on your actual period of use. Please read this manual and the installation and Operator’s Manual and follow the directions for proper use.

EXCLUSIONS FROM WARRANTY

Vision Pro Cartridges are designed for use on pools from 5,000 - 30,000 Gal. (19,000 - 130,000 L). If it is used in any other application, the warranty is void, and the purchaser and/or pool owner releases the manufacturer from any and all claims related to the use of the Vision Pro System.

This warranty does not cover problems arising in whole or in part from purchaser’s negligence, misuse or abuse, improper maintenance or storage, accident, improper installation, improper application, failure to follow all appropriate safety precautions, Acts of God, abnormal weather conditions, damage from plants or animals, and improper use of chemicals.

This warranty specifically excludes all incidental or consequential damages, except where state law requires them to be paid. This warranty gives you specific rights. You may have other rights that vary from state to state.

Only the original purchaser may submit a claim under this limited warranty. All claims must be accompanied by an original purchase receipt.

Zodiac Pool Systems, Inc.
2620 Commerce Way, Vista, CA 92081

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