

2022-0823

2022-03-31

**H03433 ENG - Warning Label**

**Warning Label**

**WARNING**

To avoid injury or property damage from chlorinated water, run pool pump for several minutes, turn off pump, then add Tri-Chlor tablets slowly to avoid splashing. Review owner's manual for important safety and first aid instructions.

**Nature2 Vision Pro Aboveground**

This Carton Contains One

Zodiac® Nature2® Replacement Cartridge for the Vision Pro System.

Part # 50001700

FOR ABOVEGROUND POOLS

Zodiac Pool Systems LLC

2882 Whiptail Loop East #100, Carlsbad, CA 92010

800.822.7933 [www.zodiacpoolsystems.com](http://www.zodiacpoolsystems.com)

Zodiac Pool Systems Canada, Inc.

2-3365 Mainway, Burlington, ON L7M 1A6

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READ LABEL AND REFER TO OWNER'S MANUAL BEFORE USING.

KEEP OUT OF REACH OF CHILDREN.

The Vision Pro system consists of Nature2® Technology used in conjunction with a chlorine generating device. The mineral cartridge augments the bactericidal and algicidal activity of the primary disinfectant, chlorine.

**WARNING:** Staining of pool surfaces may occur due to deposits of copper salts. Excessive levels of copper will increase the probability of this occurrence.

**PRECAUTIONS:** Hazards to Humans and Domestic Animals. In the unlikely event that a cartridge breaks, the mineral media is harmful or fatal if swallowed.

**FIRST AID:**

If swallowed: Call Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

Take container, label or product name and Pest Control Registration Number with you when seeking medical attention.

**DISPOSAL:** After six months of use, discard cartridge in household trash.

Change this cartridge every six months.

**NET CONTENTS: ONE CARTRIDGE  
Aboveground Pools**

**algae control**

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

**increased chlorine effectiveness**

Nature2<sup>®</sup> delivers minerals to provide improved pool water quality and allows you to use less chlorine.

**six month guarantee**

- controls algae
- won't stain

## H03540 ENG – Cartridge Label

### VISION PRO MINERAL CARTRIDGE

DOMESTIC Replacement Cell for pool device Nature2 Vision Pro

REGISTRATION NO. 30480, PEST CONTROL PRODUCTS ACT

This cell must only be used on this model of pool device.

READ LABEL AND REFER TO OWNER'S MANUAL BEFORE USING.

KEEP OUT OF REACH OF CHILDREN.

The Vision Pro consists of Nature2® Technology used in conjunction with a chlorine generating device.

The Mineral Cartridge augments the bactericidal and algicidal activity of the primary disinfectant, chlorine.

CAUTION: Staining of pool surfaces may occur due to deposits of copper salts. Excessive levels of copper will increase the probability of this occurrence.

PRECAUTIONS: Hazards to Humans and Domestic Animals. In the unlikely event that a cartridge breaks, the mineral media is harmful or fatal if swallowed.

FIRST AID: If swallowed: Call Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with water for 15-20 minutes. Call a poison control centre or doctor for treatment advice. If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice. Take container, label or product name and Pest Control Registration Number with you when seeking medical attention.

1-888-647-4004

**Zodiac Owner's Manual  
English**

**Nature<sup>2</sup> Vision Pro Mineral Purifier Cartridge**

Cartridge Capacity  
Vision Pro - Up to 130,000 L (34,300 Gal)

**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 Nature<sup>2</sup> Cartridge used in conjunction with the tablet erosion feeder device. The Nature<sup>2</sup> Cartridge augments the bactericidal and algicidal activity of the primary disinfectant, chlorine.

**IMPORTANT SAFETY INSTRUCTIONS – Please read prior to installation**

The Vision Pro cartridge has been designed to sanitize swimming pools up to 130,000 L (34,300 Gal)

**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 Nature<sup>2</sup> 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 1 m (3 ft.) from the pool so children cannot use the equipment to access the pool and be injured or drown.

**LOW CHLORINE RECIPE:** Refer to the operational manual.

The Nature<sup>2</sup> Vision Pro is designed only for residential swimming pools.

\*The Nature<sup>2</sup> Vision Pro System consists of the patented Nature<sup>2</sup> technology† used in conjunction with a chlorine delivery device or 0.5 ppm of a PMRA registered chlorine pool product.

†Nature<sup>2</sup> technology consists of the minerals silver and copper.

*DOMESTIC*

*REGISTRATION NUMBER 30480*

*PEST CONTROL PRODUCTS ACT*

## PRECAUTIONS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

In the unlikely event that a cartridge breaks, the mineral media is harmful or fatal if swallowed.

### FIRST AID

**If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

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

Thank you for purchasing the Vision Pro cartridge with Nature<sup>2</sup> 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 algaecides.

**Do not** use this device with bromide products.

---

**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.

**Total Alkalinity**  
**Range:** 100-120  
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.

---

**pH**  
**Range:** 7.2-7.8

**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. "Scale" forms on your pool equipment.

**How to fix:** Add pH decreaser.

---

**Calcium  
Hardness**  
**Range:** 200-300  
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.

## 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 Shock 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 1-3 ppm free chlorine throughout, or
- 6 hours a day for 14 days, maintaining 1-3 ppm free chlorine throughout.

**4 Let chlorine dissipate** to 0.6 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 0.6 ppm.



## Recipe

The following recipe will help you maintain well-balanced swimming pool water.

### Ingredients:

- Vision Pro Cartridge
- The chlorine produced by the Nature<sup>2</sup> vessel
- pH and total alkalinity adjusting chemicals
- Calcium hardness increaser, if needed
- Cyanuric acid (Stabilizer) (for outdoor pools)
- Pure refined salt, if using Nature<sup>2</sup> Fusion Soft
- Water test kit

### **When:** \_\_\_\_\_ **What to do:**

**Every day** Balance alkalinity and pH.  
Check chlorine residual; adjust Vision Pro output to maintain at least a 0.6 - 3.0 ppm.

Test the calcium hardness. Maintain between 200-300 ppm.

**Once a month** Test the stabilizer reading. Maintain between 30-100 ppm.

**As needed** If water is hazy shock the pool with chlorine.  
Shock the pool following rainstorms or heavy bather load.

## Provide Filtration/Circulation

### To manage: You need to:

---

**Circulation** 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.

**Filtration** Check the pool's filter periodically and clean it as recommended by the manufacturer.

## Vision Pro Cartridge Replacement

### Warm Climate

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A cartridge lasts six (6) months from the date of installation under normal operating conditions.

### Cold Climate

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In cold climates where the pool is closed for the winter, the cartridge must be replaced at the beginning of each spring. Even if the cartridge is only used for three (3) months during the previous year, the cartridge must be replaced the next spring.

---

**WARNING:**

If the cartridge is not replaced promptly, the pool cannot be kept at a minimum of 0.6 ppm. The level of free available chlorine required is 1 - 3 ppm.

Always turn pump off prior to installing or changing a Nature<sup>2</sup> Fusion 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.

---

**Disposal**

---

Discard the old cartridge with household trash.

**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 algaecide. 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 up to 130,000 L (34,000 Gal.). 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 provincial law requires them to be paid. This warranty gives you specific rights. You may have other rights that vary from province to province.

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 LLC**

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VisionPro Aboveground  
All-in-One Chlorine Dispenser + Mineral Pool Purifying System  
Aboveground Pools

DOMESTIC

**READ THE LABEL AND OPERATING MANUAL BEFORE USING**  
**KEEP OUT OF REACH OF CHILDREN**  
**REGISTRATION NO. 30480 PEST CONTROL PRODUCT ACT**

**WARNING: operating Nature 2 Fusion Inground without water flow through the cell can cause a build-up of flammable gases which can result in FIRE OR EXPLOSION.**

Chlorine + Nature2 minerals

The Nature2 Vision Pro Aboveground is an all-in-one chlorine and mineral sanitizing system which will help to keep your pool sparkling clean.

Easy to use

Quick installation with low maintenance and the convenience of automatic chlorine tablet dispensing.

Compatible

Works with virtually all swimming pool filtration systems.

maximizes chlorine effectiveness

Nature2 minerals work with chlorine to deliver superior-quality pool water.

Minerals + Chlorine Unite

= Algae Control

= Reduced Chemical Use

= Enhanced Water Quality

THE SIX MONTH

CARTRIDGE GUARANTEE

Controls Algae

Reduces Maintenance

Won't Stain

Get six months of guaranteed effectiveness every time you replace the Zodiac® Nature<sup>2</sup> mineral cartridge.

Chlorine adjustment

Control chlorine output with easy-to-read adjustment handle.

Nature2 mineral cartridge

Nature2 uses mineral technology to help maintain superior pool water quality.

Connections for hard piping or flexible hose.

Includes both 51 mm (2") slip unions and universal flexible hose adapters.

Commercial-grade durability

Engineered with the highest quality materials.

Tool-free drain plug

Simplify the winterizing process in just seconds.

Do not use Nature2 Cartridge with copper-based algaecides or biguanides.

#### Chlorine Tablets

Use a source of Tri-Chlor chlorine tablet registered or scheduled under the Pest Control Products Act (PCPA).

#### Mineral Cartridge

Includes a Vision Pro Mineral Cartridge for up to 113,000 Litres (30,000 gallons) Part # 509001700

Replace the mineral cartridge at the beginning of the pool season.

#### WARNING

FOR YOUR SAFETY—This product must be installed and serviced by a contractor who is licensed and qualified in pool equipment by the jurisdiction in which the product will be installed where such local requirements exist. In the event no such local requirement exists, the installer or maintainer must be a professional with sufficient experience in pool equipment installation and maintenance. Before installing this product, read and follow all warning notices and instructions that accompany this product. Failure to follow warning notice and instructions may result in property damage, personal injury, or loss of life. Improper installation and/or operation will void the warranty.

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VisionPro Aboveground

**WARNING**

CHEMICAL REACTION RISK

USE SLOW DISSOLVING TRI-CHLOR TABLETS ONLY

- To avoid the risk of property damage, serious injury or death, read all labels and installation and operation manual completely before attempting to operate.
- Be sure pool return line valve is open except when servicing unit to avoid a buildup of gas which can result in FIRE or EXPLOSION.

**ATTENTION:**

Replace mineral cartridge every 6 months! Use only Vision Pro cartridge.

Zodiac Pool Systems LLC

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Carlsbad, CA 92010

1.800.822.7933 | [www.ZodiacPoolSystems.com](http://www.ZodiacPoolSystems.com)

DOMESTIC

REGISTRATION NO. 30480 PEST CONTROL PRODUCTS ACT

**Max operating pressure:** 345 kPa / 50 PSI

**Minimum flow rate:**

114 LPM / 30 GPM

**Chlorine output rate:**

22 GPH (grams per hour)

## Zodiac Installation and Operation Manual

### Nature<sup>2</sup>® Vision™ Pro

Aboveground

#### WARNING

FOR YOUR SAFETY - This product must be installed and serviced by a contractor who is licensed and qualified in pool equipment by the jurisdiction in which the product will be installed where such local requirements exist. In the event no such local requirement exists, the maintainer must be a professional with sufficient experience in pool equipment installation and maintenance so that all of the instructions in this manual can be followed exactly. Before installing this product, read and follow all warning notices and instructions that accompany this product. Failure to follow warning notices and instructions may result in property damage, personal injury, or death. Improper installation and/or operation will void the warranty.

#### Nature<sup>2</sup> Vision Pro

READ THE LABEL AND INSTALLATION & OPERATION MANUAL BEFORE USING.

KEEP OUT OF REACH OF CHILDREN.

CONTROLS BACTERIA AND ALGAE IN SWIMMING POOL WATERS.

FOR SWIMMING POOLS, MAINTAIN A LEVEL OF FREE AVAILABLE CHLORINE OF 1-3 PPM. THIS LEVEL MAY BE LOWERED TO 0.6 PPM WITH THE USE OF NATURE<sup>2</sup> CARTRIDGES. THE NATURE<sup>2</sup> CARTRIDGE AUGMENTS BACTERICIDAL AND ALGICIDAL ACTIVITY OF THE PRIMARY DISINFECTANT, CHLORINE.

ONE NATURE<sup>2</sup> VISION PRO ABOVEGROUND CAN TREAT AN OUTDOOR SWIMMING POOL TO A MAXIMUM OF 113,000 LITRES.

NATURE<sup>2</sup> VISION PRO IS FOR USE IN SWIMMING POOLS.

Do not use this device with bromide products.

DOMESTIC

REGISTRATION NUMBER: 30480  
PEST CONTROL PRODUCTS ACT

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### Section 1. Important Safety Instructions

#### **READ AND FOLLOW ALL INSTRUCTIONS**

When installing this equipment, basic safety precautions should always be followed, including the following:

#### **WARNING**

**EQUIPMENT UNDER PRESSURE:** Always turn pump off prior to installing or changing any Nature<sup>2</sup> vessel or cartridge or adding chlorine tablets. 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.

#### **DANGER**

**CHEMICAL USE HAZARD:** The Nature<sup>2</sup> Vision Pro is designed to use only Trichloro-S-Triazinetrione tablets - slow dissolving type. **Never mix or use with other types of chlorine or chemicals.** Explosion or fire may result.

- Exercise extreme caution when opening or servicing your feeder.
- Always shut off pump and available valves before opening. Do not inhale any fumes from any chemical feeder or container. Protect your eyes, skin and clothing from chemicals at alltimes.
- NEVER open chlorinator when pump is running.
- Make sure to slowly add the Tri-Chlor tablets to the feeder to avoid splashing of chlorinated water.
- To prevent build-up of gas in chlorinator, be sure pool return line valve(s) is kept open - except when opening/servicing unit.
- Always read label and carefully follow chlorine manufacturer's and dealer's recommendations for proper water conditioning and daily chlorine requirements for your particular pool and area.

#### **DANGER**

To reduce the risk of injury, do not remove the suction fittings of your spa or hot tub. Never operate a spa or hot tub if the suction fittings are broken or missing. Never replace a suction fitting with one rated less than the flow rate marked on the equipment assembly.

#### **WARNING**

When mixing acid with water, **ALWAYS ADD ACID TO WATER. NEVER ADD WATER TO ACID.**

#### **WARNING**

**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 one (1) metre (3 ft) from the pool so children cannot use the equipment to access the pool and be injured or drown.

## **WARNING**

To reduce the risk of injury, do not permit children to operate this device.

## **WARNING**

Prolonged immersion in hot water may induce hyperthermia. Hyperthermia occurs when the internal temperature of the body reaches a level several degrees above the normal body temperature of 37°C (98.6°F). The symptoms of hyperthermia include dizziness, fainting, drowsiness, lethargy, and an increase in the internal temperature of the body. The effects of hyperthermia include:

- Unawareness of impending danger;
- Failure to perceive heat;
- Failure to recognize the need to exit spa;
- Physical inability to exit spa;
- Fetal damage in pregnant women; and/or
- Unconsciousness resulting in a danger of drowning

## **WARNING**

### **To Reduce the Risk of Injury -**

- The water in a spa should never exceed 40°C (104°F). Water temperatures between 38°C (100°F) and 40°C (104°F) are considered safe for a healthy adult. Lower water temperatures are recommended for young children and when spa use exceeds 10 minutes. Bathing in spa water at 40°C (104°F) should not exceed 15 minutes.
- Since excessive water temperatures have a high potential for causing fetal damage during the early months of pregnancy, pregnant or possibly pregnant women should limit spa water temperatures to 38°C (100°F).
- Before entering a spa or hot tub, the user should measure the water temperature with an accurate thermometer since the tolerance of water temperature-regulating devices varies.
- The use of alcohol, drugs, or medication before or during spa or hot tub use may lead to unconsciousness with the possibility of drowning.
- Obese persons and persons with a history of heart disease, low or high blood pressure, circulatory system problems, or diabetes should consult a physician before using a spa.
- Persons using medication should consult a physician before using a spa or hot tub since some medication may induce drowsiness while other medication may affect heart rate, blood pressure, and circulation.

## **WARNING**

People with infectious diseases should not use a spa or hot tub.

To avoid injury, exercise care when entering or exiting the spa or hot tub.

Do not use drugs or alcohol before or during the use of a spa or hot tub to avoid unconsciousness and possible drowning.

Pregnant or possibly pregnant women should consult a physician before using a spa or hot tub.

Water temperature in excess of 38°C (100°F) may be injurious to your health.

Before entering a spa or hot tub measure the water temperature with an accurate thermometer.

Do not use a spa or hot tub immediately following strenuous exercise.

Prolonged immersion in a spa or hot tub may be injurious to your health.

Do not permit any electric appliance (such as a light, telephone, radio, or television) within 1.52 metre (5 ft) of a spa or hot tub.

The use of alcohol, drugs or medication can greatly increase the risk of fatal hyperthermia in hot tubs and spas.

Water temperature in excess of 38°C (100°F) may be hazardous to your health.

### **CAUTION**

It is important to note that certain materials used in and around swimming pools and spas may not be compatible with chemicals commonly used to purify pool and spa water (e.g. acids, chlorine, salt, stabilizers, etc.).

As such, Zodiac Pool Systems LLC does not warrant or guarantee that the chlorinated water generated by the Nature<sup>2</sup> Vision Pro will not damage or destroy certain types of plants, decking, coping and other materials in and around your pool and/or spa. Before selecting materials to be used in and around your pool and/or spa, please discuss all options with your contractor to assess the compatibility of such materials and chemicals.

Some helpful considerations may include:

- Choosing plants that can withstand splash out of pool water containing chlorine and/or salt and other water purification chemicals.
- All metal components used in and around a pool should be of a high grade, quality stainless steel.
- Careful selection of masonry products. The porosity and hardness of natural stones varies greatly. Therefore we recommend you consult with your builder or stone contractor on the best choice for stone materials around your pool or spa.
- Sealing all masonry products. Professionals in the stone industry specify that even natural stone, especially when used outdoors, be sealed to prevent weathering, staining, and premature degradation. Consult with your stone or deck contractor for the proper sealer for the masonry products you have selected to use around your pool or spa.
- For optimal results, sealers should be reapplied on a regular basis. Reapply the protective sealer on a schedule per the manufacturer's instructions.

### **SAVE THESE INSTRUCTIONS**

## **Section 2. System Description**

### **Figure 1. Nature<sup>2</sup> Vision Pro Components**

#### **2.1 Product Description**

The Nature<sup>2</sup> Vision Pro system is an all-in-one mineral sanitizer and precision chlorine tablet dispenser that combines Nature<sup>2</sup> mineral-based technology with a tri-chlor tablet feeder. Nature<sup>2</sup> patented technology delivers controlled trace amounts of minerals to help maintain an algae-free pool.

## 2.2 Product Specifications

Capacity	For Aboveground Pools up to 113,000 L (30,000 gal)
Replacement Nature <sup>2</sup> Vision Pro cartridge <b>CAUTION: Do not use any other mineral cartridge than Vision Pro. Damage to the pool surface may result.</b>	#50001700
Tri-Chlor tablet capacity (Use slow dissolving Trichloro-S-Triazinetrione (Tri-Chlor) tablets only)	Approximately 2 kg (4.36 lbs) of ten 7.62 cm (3") tabs, or almost 1.8 kgs (4 lbs) of 7.62 cm (3") tabs
Maximum operating pressure	345 kPa (50 psi)
Minimum flow rate	114 lpm (30 gpm)
Maximum flow rate	455 lpm (120 gpm)
Dimensions	42 cm x 40 cm x 37 cm (16.5"L x 16"H x 14.5"D)
Vessel weight	4.5 kgs (10 lbs)

## Section 3. Installation Instructions

### WARNING

**FOR YOUR SAFETY:** This product must be installed and serviced by a professional pool/spa service technician, as described on the front cover of this manual. The procedures in this manual must be followed exactly. Failure to follow warning notices and instructions may result in property damage, serious injury, or death. Improper installation and/or operation will void the warranty.

### WARNING

**EQUIPMENT UNDER PRESSURE:** Always turn pump off prior to installing or servicing the Nature<sup>2</sup> Vision Pro. 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.

### 3.1 Materials and Tools

<b>Materials Furnished for Installation</b>
---

<p><b>Nature<sup>2</sup> Vision Pro Aboveground Vessel with Universal Unions</b></p> <p><b>Flex Hose Adapter Kit</b></p> <p><b>Installation and Operation Manual</b></p>
<p><b>Tools Needed for Installation</b></p>
<p><b>Screw Driver or Nut Driver for hose clamps</b></p> <p><b>Knife to cut flex hose or short flex hose section</b></p>

### **3.2 Installation Requirements**

Decide where to install the Nature<sup>2</sup> Vision Pro vessel.

- The vessel must be installed on the existing pad or a concrete slab to support the weight.
- The vessel must be installed as the last piece of equipment in the circulation plumbing system just before the pool with the Nature<sup>2</sup> side as the inlet and the chlorine side as the outlet.
- The vessel must be installed downstream from the heater or heater damage may occur.
- If the vessel is installed below the pool water level and there are no ball valves to shut off the water flow from the pool, then it must be installed with a check valve. The check valve will isolate the vessel and prevent pool draining during installation, cartridge change, or chlorine tablet addition.

#### **WARNING**

A check valve can interfere with the proper operation of certain Suction Vacuum Release System (SVRS) products. To avoid possible entrapment hazard, serious injury, or death, make sure to review the operation/owners manual of your particular SVRS product before installing the check valve.

### **3.3 Nature<sup>2</sup> Vision Pro Flexible Hose Installation**

1. Make sure the pool pump is turned off.
2. Locate a suitable section of flex hose to install the vessel, approximately 43 cm (17") long, that conforms to the installation requirements outlined in Section 3.2.
3. For flex hose plumbing installation, cut out a 42 cm (16<sup>5</sup>/<sub>8</sub>") section of the flex hose to insert the vessel (see Figure 3).
4. Connect the flex hose outlet from the filter to the vessel inlet port. Secure the flex hose with the clamp provided in the hose adapter kit.
5. Connect the flex hose vessel outlet port to the pool return line. Secure the flex type with the

clamp provided in the hose adapter kit.

6. Start the pump and check for leaks.

**Figure 3. Flexible Hose Installation**

## Section 4. Pool Water Preparation

### 4.1 Determining Pool Size (Litres of Water in Your Pool)

- **Rectangular Pools**

Average length (metres) x average width (metres) x average depth (metres) x 1000 = litres capacity.

- **Circular Pools**

Diameter (metres) x diameter (metres) x average depth (metres) x 785 = litres capacity.

- **Oval Pools**

Long diameter (metres) x short diameter (metres) x average depth (metres) x 785 = litres capacity.

- **Sloping Sides**

Multiply total litres by 0.85 = litres capacity.

### 4.2 Determining Pool Size (Gallons of Water in Your Pool)

- **Rectangular Pools**

Average length (feet) x average width (feet) x average depth (feet) x 7.5 = gallon capacity.

- **Circular Pools**

Diameter (feet) x diameter (feet) x average depth (feet) x 5.9 = gallon capacity.

- **Oval Pools**

Long diameter (feet) x short diameter (feet) x average depth (feet) x 5.9 = gallon capacity.

- **Sloping Sides**

Multiply total gallons by 0.85 = gallon capacity.

**General Rule of Sizing:** In areas with year-round use and high water temperatures, the following must be considered:

**High Water Temperatures:** Because chlorine demand increases with the rise of water temperature, adjustments must be made in order to keep up with chlorine demand. In hot summer months, where the water temperature rises above 30°C (85°F), you must increase the pump run time and increase the chlorine output.

### 4.3 Chemistry You Need to Know

- **Chlorine Stabilizer for Outdoor Pools** (cyanuric acid) is needed to maintain proper levels of chlorine. Most non stabilized chlorine is destroyed by the UV radiation from the sun within two (2) hours. Chlorine stabilizer should be maintained between 30 - 100 PPM. The addition of chlorine stabilizer is not necessary for indoor pools.
- **Nitrates** can cause extremely high chlorine demands and will deplete chlorine from your swimming pool. In some cases nitrates may even lower your chlorine levels to zero. Your local service representative can test for nitrates. Make sure nitrates are not present in your

pool.

- **Metals** (some metals) can cause loss of chlorine. Also, metals can stain your pool. Have your local service representative check for metals and recommend methods of removal.
- **Chloramines** should not be present in pool water. When organic materials combine with free chlorine, chloramines are formed. This ties up the free chlorine in your pool and does not allow the chlorine in your pool to disinfect. Chloramines also cloud pool water and burn the eyes. Shock to remove chloramines at the initial startup of the pool.
- **Super Chlorination** burns out the organic material that has combined with chlorine. This frees the chlorine for sanitizing. This is accomplished by raising the chlorine level quickly and dramatically.
- **Shocking** (Superoxidation) is also a means of burning out the organic material that has combined with chlorine. This method involves the manual addition of chemicals to quickly raise the level of chlorine. When the chlorine level is quickly raised to 5 - 15 ppm the pool water is said to have been shocked.

**NOTE** On initial startup of a pool, it is best to shock from an alternate source, i.e., use a shock treatment available at your local pool supplier.

- **New pool water** in a recently filled or newly refinished pool may contain undesirable matter. This undesirable matter could interfere with the vessel's ability to sanitize properly. Make sure the water is tested by a service representative and properly balanced before turning on the sanitizer system.
- **Sequestering Agents** may be used in some areas where the total hardness of your source water may be unusually high. High total hardness can contribute to scale formation in the pool. Sequestering agents will help keep minerals in solution and under some conditions can prevent this from happening. Consult your service representative about the use of a sequestering agent.

#### **4.4 Optimum Pool Water Conditions**

The following water balance conditions should be maintained daily to protect the pool finish and equipment and ensure the pleasing appearance of the water. The Nature<sup>2</sup> Vision Pro is warranted to operate properly only if these conditions are met.

**Free Chlorine** 1 - 3 ppm. This level may be lowered to 0.6 ppm with the use of Nature<sup>2</sup> cartridges. Continuous exposure to levels above 3.0 ppm may cause corrosion of pool metals. Refer to Section 6.2 for Chlorine Testing.

**Combined Chlorine (Chloramines)** None (Super chlorinate to remove all chloramines).

**pH** 7.2 - 7.8 (Use muriatic acid to lower pH and soda ash to raise pH).

**Chlorine Stabilizer (Cyanuric Acid)** 30 - 100 ppm.

**Total Alkalinity** 100 - 120 ppm.

**Calcium Hardness** 200 - 300 ppm.

**Metals (Iron, Manganese)** None.

**Nitrates** None.

**Phosphates** None.

#### **4.5 Chlorine Stabilizer Information**

**Table 1. Approximate Kilograms and Pounds of Stabilizer Needed to Obtain 50 ppm**

Current Cyanuric Acid Level - ppm	Litres (Gallons) of Pool/Spa Water				
	38,000 L (10,000 gal)	57,000 L (15,000 gal)	76,000 L (20,000 gal)	95,000 L (25,000 gal)	113,000 L (30,000 gal)
0	1.9 kgs (4.2 lbs)	2.9 kgs (6.3 lbs)	3.8 kgs (8.4 lbs)	4.8 kgs (10.5 lbs)	5.7 kgs (12.6 lbs)
10	1.5 kgs (3.4 lbs)	2.3 kgs (5.1 lbs)	3.1 kgs (6.7 lbs)	3.8 kgs (8.4 lbs)	4.6 kgs (10.1 lbs)
20	1.1 kgs (2.5 lbs)	1.7 kgs (3.8 lbs)	2.3 kgs (5.1 lbs)	2.9 kgs (6.3 lbs)	3.4 kgs (7.6 lbs)
30	0.8 kg (1.7 lbs)	1.2 kgs (2.5 lbs)	1.5 kgs (3.4 lbs)	1.9 kgs (4.2 lbs)	2.3 kgs (5.1 lbs)
40	0.4 kg (0.8 lb)	0.6 kg (1.3 lbs)	0.8 kg (1.7 lbs)	1.0 kg (2.1 lbs)	1.2 kg (2.5 lbs)

**NOTE** The above chart is for general reference only. The recommended stabilizer reading is between 30 - 100 ppm and will vary dependent on geographic climate. Warm, sunny climates will require a stabilizer reading at the higher end of the given range. Consult your local service representative for your optimum level. Always add stabilizer according to manufacturer's instructions. It is not necessary to add stabilizer for indoor pools.

#### **CAUTION**

It is important to note that certain materials used in and around swimming pools and spas may not be compatible with chemicals commonly used to purify pool and spa water (e.g. acids, chlorine, salt, stabilizers, etc.).

As such, Zodiac Pool Systems LLC does not warrant or guarantee that the chlorinated water generated by the Nature<sup>2</sup> Vision Pro will not damage or destroy certain types of plants, decking, coping and other materials in and around your pool and/or spa. Before selecting materials to be used in and around your pool and/or spa, please discuss all options with your contractor to assess the compatibility of such materials and chemicals.

Some helpful considerations may include:

- Choosing plants that can withstand splash out of pool water containing chlorine and/or salt and other water purification chemicals.
- All metal components used in and around a pool should be of a high grade, quality stainless steel.
- Careful selection of masonry products. The porosity and hardness of natural stones varies greatly. Therefore we recommend you consult with your builder or stone contractor on the best choice for stone materials around your pool or spa.



- Sealing all masonry products. Professionals in the stone industry specify that even natural stone, especially when used outdoors, be sealed to prevent weathering, staining, and premature degradation. Consult with your stone or deck contractor for the proper sealer for the masonry products you have selected to use around your pool or spa.
- For the optimal results, sealers should be reapplied on a regular basis. Reapply the protective sealer on a schedule per the manufacturer's instructions.

## Section 5. Operating Instructions

### 5.1 Startup

Before using a new Nature<sup>2</sup> cartridge, clean debris and algae out of the pool and pool equipment and verify the pool is properly balanced (see Section 4.4). Refer to the Nature<sup>2</sup> Cartridge Owner's Manual for complete cartridge start-up procedures.

#### 5.1.1 Shocking

Shock (superoxidation) the pool water using a sanitizer registered or scheduled under the Pest Control Products Act (PCPA) at the time of pool startup to burn off contaminants and activate the mineral cartridge. Run the circulating pump either 24 hours for four (4) days, or six (6) hours a day for 14 days while maintaining 1 - 3 ppm of free available chlorine. Let chlorine gradually dissipate to 0.6 ppm once the circulating period is complete.

### 5.2 Filtration and Circulation

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 Nature<sup>2</sup> dealer for optimum run times.

Check pool filter periodically, clean as recommended by manufacturer.

### 5.3 Adding Chlorine Tablets

#### DANGER

**CHEMICAL USE HAZARD:** The Nature<sup>2</sup> Vision Pro is designed to use only Trichloro-S-Triazinetrione tablets - slow dissolving type. **Never mix or use with other types of chlorine or chemicals.** Explosion or fire may result.

#### WARNING

To avoid injury or property damage from chlorinated water, add Tri-Chlor tablets slowly to avoid splashing.

Please review the chemical use hazard instructions on the first page of this manual before opening the chlorine chamber. Under normal conditions, the large-capacity chlorine dispenser of the Nature<sup>2</sup> Vision Pro provides a minimum of one (1) month chlorination for large pools. The chlorine feed rate can easily be controlled by adjusting the chlorine regulator dial to control the rate of water flow through the chlorine chamber, and the amount of Tri-Chlor tablets placed in the feeder. For swimming pools, maintain a level of free available chlorine of 1-3 ppm. This level may be lowered to 0.6 ppm with the use of Nature<sup>2</sup> cartridges.

To add: Turn collar counterclockwise to remove and lift off cap. Place the cartridge in the chamber slowly to avoid splashing.

### 5.4 First Aid Instructions

#### FIRST AID

**If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

## **5.5 Recommendations**

### **DO List**

- Read and keep your manual in a safe place.
- Add Tri-Chlor tablets slowly to avoid splashing of water.
- Increase chlorine production before high bather load and return to normal afterwards.
- Increase chlorine production when temperature goes up.
- Decrease production when temperature goes down (for example, in the fall and winter seasons).
- Take pool water sample to service representative once per month.
- Check the expiry date of the test kit as results may be inaccurate if used after that date.

### **DON'T List**

- Do not get fertilizer in your pool. Fertilizers contain nitrates which cause a high chlorine demand on pool water.
- Do not let chlorine stabilizer drop below 30 ppm.
- DO NOT add pool chemicals directly into the skimmer.

## **Section 6. User Maintenance Instructions**

The following information describe how to care for your Nature<sup>2</sup> Vision Pro.

### **6.1 Daily**

1. **Filtration and Circulation.** 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 Nature<sup>2</sup> dealer for optimum run times. Check pool filter periodically, clean as recommended by manufacturer.
2. **Chlorine Test.** Test pool water chlorine level with a reliable test kit. Maintain ideal range by adjusting the Nature<sup>2</sup> Vision Pro chlorine production rate (see Section 5.3). Recommended free chlorine is 0.6 - 3 ppm. May be as low as 0.6 ppm with the use of a Nature<sup>2</sup> cartridge that is within its normal operating life.

**NOTE** It is recommended that chlorine test samples be taken from two (2) places, one (1) at the pool return line, the other well away from the pool return line. Compare the samples. A higher level should be found at the pool return line. The higher level at the pool return line indicates the Nature<sup>2</sup> Vision Pro is producing chlorine.

- a. At the pool return line.
  - b. 46 cm (18") below the surface and well away from the pool return line.
3. **pH Level Test.** Test the pH level of your pool with a test kit. If necessary, adjust according to your service representative's recommendations.

#### **WARNING**

Because chlorine demand increases with the rise of water temperature, or heavy pool (or spa) usage, it may be necessary to increase the chlorine output to maintain proper free available levels.

4. **Total Alkalinity Test.** Test pool water for total alkalinity with a test kit. Adjust according to your qualified service representative's recommendations.
5. **Calcium Hardness.** Test pool water for calcium hardness level using test kit or by having a water sample tested by a service representative. If necessary, adjust according to your service representative's recommendations.

### **6.2 Monthly**

1. **Pool Water Sample.** Take water sample to local pool store for testing.
2. **Stabilizer (Cyanuric Acid).** Test pool water stabilizer (cyanuric acid) level using a test kit or by having a water sample tested by a service representative. Maintain ideal range of 30 - 100 ppm. Follow your service representative's recommendations. The addition of stabilizer is not necessary for indoor swimming pools.
3. **Metals Test.** It is recommended that the pool water be tested periodically for the presence of metals such as iron, and manganese. These metals should not be present in the pool water. If those metals are present, contact your local service representative.

### **6.3 Nature<sup>2</sup> Vision Pro Mineral Cartridge Replacement**

The mineral Vision Pro cartridge lasts six (6) months or one (1) pool season (whichever is the shorter length of time).

1. Shut off the pool pump and filter.
2. Close valves between filter and pool to prevent pool draining.
3. Turn the small collar counterclockwise to remove.
4. Remove old cartridge and discard in household trash. Insert the new cartridge.  
**IMPORTANT** Make sure the o-ring is secure in the groove on the vessel top. Turn large collar clockwise until it locks into place, do not over tighten.
5. Open any valves that were closed to isolate the Nature<sup>2</sup> Vision Pro.

## 6.4 Winterizing

### CAUTION

Make sure to wear gloves, eye protection, and protect any exposed skin when removing chlorine tablets. Review the safety and first aid information provided with all chemicals before using. Consult your dealer for complete information on pool care and maintenance in cooler temperatures.

In cold climates, where the pool is closed:

1. Remove the Nature<sup>2</sup> Vision Pro cartridge and discard with household trash.
2. It is also recommended to remove the vessel and store indoors. Use expansion plugs for the pipe openings, or a Spool Piece (sold separately) to replace the vessel during winterizing or vessel maintenance, which enables the pool pump to circulate water with the vessel out of the line.
3. Replace empty chlorine holder into unit, retighten collar and run pump for 30 minutes.
4. Remove and save the drain plug.
5. Rinse out Nature<sup>2</sup> Vision Pro thoroughly with water.
6. If blowing lines clear with air, set chlorine regulator dial to 6.
7. After completing winterization, loosen collars.

## 6.5 Spring Start Up

1. Replace the vessel.
2. Start up your pool as normal.
3. After the water has been balanced, insert the new Nature<sup>2</sup> Vision Pro cartridge, add the chlorine tablets (see Section 5.3 for precautions), and complete the cartridge start up procedures in the Nature<sup>2</sup> Vision Pro cartridge owner's manual.

## Section 7. Troubleshooting

### WARNING

Always turn pump off prior to attempting service or repair. Your pump and filter system is operated under pressure and pressure must be released before you begin to avoid system damage or personal injury. Open the air relief valve on your pool filter to release the pressure in the system.

### 7.1 Problems and Corrective Action

Problem	Possible Cause	Corrective Action
The vessel leaks.	O-Ring missing or improperly seated.	Make sure o-ring is secure in the groove on the vessel housing, not on the cap.

	<b>Faulty plumbing.</b>	<b>Repair the source of leak in plumbing.</b>
<b>No flow to vessel.</b>	<b>Dirty filter (one indication: pressure is 8 - 10 psi higher than normal).</b>	<b>Clean or backwash filter.</b>
<b>Low or no chlorine.</b>	<b>Chlorine output set too low.</b>	<b>Turn the chlorine output handle to a higher output number.</b>
	<b>Chlorine dispenser low or empty.</b>	<b>Refill the chlorine dispenser with tri-chlor tablets.</b>
	<b>Low stabilizer (cyanuric acid) level in pool water (for outdoor pool only).</b>	<b>Add stabilizer to maintain 30 - 100 ppm (see Section 4.5, Table 1).</b>
	<b>Insufficient operating hours of the unit.</b>	<b>Increase the system operating time per day.</b>
	<b>Recent increases in weather temperature without increasing the chlorine production of your unit.</b>	<b>Increase chlorine production by turning the chlorine output handle to a higher output number.</b>
	<b>Temporary loss of chlorine due to heavy organic load - rain, leaves, fertilizer or heavy bather load. Pets using pool.</b>	<b>Increase chlorine production by turning the chlorine output handle to a higher output number. Set the pump to run for 24 hours. After 24 hours, recheck chlorine levels. If still too low, super chlorinate with alternate source.</b>
	<b>High nitrate level.</b>	<b>Contact a qualified service representative.</b>
	<b>Metals present in pool water.</b>	<b>Contact a qualified service representative.</b>
	<b>New pool water. Not shocked properly upon startup.</b>	<b>Super chlorinate the pool.</b>

Chlorine level too high.	Chlorine output set too high.	Turn the chlorine output handle to a lower output number.
Chlorine odor.	Presence of excess chloramines (combined chlorine).	Manually shock the pool.
Cloudy Water, Slimy Walls of Pool.	It has been six (6) months since present cartridge was installed.	Replace cartridge.
	Combined algae and bacteria growth.	Brush down the affected walls and follow the directions in Section 5.1.1 Shocking.
Eye and/or skin irritation.	Improper water balance.	Balance the water to recommended levels in Section 4.4.
Scale formation on pool equipment.	Incorrect pH causing minerals to come out of solution.	Adjust total alkalinity to 100 - 120 ppm. Then adjust pH to within 7.2 - 7.8
	High total hardness.	Dilute pool with fresh water. Consult a qualified service representative regarding use of a sequestering agent.

## Section 8. Exploded Views and Spare Parts

### 8.1 Nature<sup>2</sup> Vision Pro Spare Parts

Dwg. #	Kit #	Description	Qty
1	R0562800	Universal Union Hose Adapter Kit, Includes: Nut, Union Universal O-Ring, #2-231 Adapter Clamp	2 2 2 2
2	R0452100	Universal Union/Tailpiece/Plug Includes: Nut, Union Universal O-Ring, #2-231	3 3 2

		Tailpiece, 2" X 2 1/2" Plug, Port	1
3	500018 00 500019 00	Nature <sup>2</sup> Vision Pro Cartridge (single) Nature <sup>2</sup> Vision Pro Cartridge (4-pack)	1 4pk
4	R05018 00	Vessel w/ Flow Management System, Nature <sup>2</sup> Vision Pro, Nature <sup>2</sup> AG Includes: Vessel Plug, Drain O-Ring, drain plug	1 1 1
5	R04460 00	Drain Plug w/ O-Ring	1
6	R05329 00	Large Collar w/ O-Ring	1
7	R05330 00	Small Collar w/ O-Ring	1
8	R05025 00	Nature <sup>2</sup> Vision Pro, O- Ring Kit Includes: O-Ring, Large Collar O-Ring, Small Collar O-Ring, Unions & Port Plug O-Ring, Feeder Shaft O-Ring, Drain Plug	1 1 3 2 1
9	R05331 00	Tab Feeder Assembly Includes: Body Cap Top O-Ring	1 1 1 2
10	R05027 00	Tab Feeder Handle	1

**Figure 4. Nature<sup>2</sup> Vision Pro Vessel Exploded View**

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