



# ZODIAC

## Nature<sup>2</sup> A Aboveground Sanitizer

### Vessel Installation and Operating Manual



**IMPORTANT**  
**Pool Owner, save this manual!**  
**Builders, leave this manual with the pool owner!**

Thank you for purchasing Nature<sup>2</sup>. This Nature<sup>2</sup> A Aboveground Vessel provides the housing for the A30 Aboveground Cartridge which is sold separately. Always refer to the owner's manual included with your cartridge for proper start-up procedures and the required low chlorine recipe. Remember, your authorized Zodiac Nature<sup>2</sup> dealer can provide professional advice and service.

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## Safety Instructions - Important Information Please read prior to installation

**⚠️ WARNING** Failure to heed the following warnings can result in permanent injury, or drowning.

#### EQUIPMENT UNDER PRESSURE

- Always turn pump off prior to installing or changing any Nature<sup>2</sup> vessel or 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.

The Nature<sup>2</sup> Pool Sanitizer is designed for residential swimming pools only.

Nature<sup>2</sup> is a registered trademark of Zodiac Pool Care, Inc.  
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# Specifications

**Capacity:** 5,000 - 30,000 gallons

**Dimensions:** 16" x 9.5" x 11"

**Ports:** 1.5" FPT threaded connections, inlet and outlet

**Weight:** 7 lbs

**Circulation system flow rate:** 25-80 GPM

**Vessel flow rate:** 10-18 GPM (internal by-pass)

**Maximum operating pressure:** 25 psi

**Replacement cartridge:** (sold separately) Nature<sup>2</sup> A30

**Important:** The proper replacement cartridge model is indicated on the front label of your Nature<sup>2</sup> vessel.

**Limited warranty:** Vessel - 5 years  
(see detailed warranty information on page 4)

## 1 Installation

If you decide to install the Nature<sup>2</sup> vessel yourself, follow the instructions on this page. The letters in parentheses refer to the diagram on page 3.

Under normal pump and filter pressure conditions on aboveground pool systems, the flow rate to the inlet side of the vessel is 25 to 80 gpm which will allow proper flow through the cartridge.

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**Important:** If your pump system is designed to produce flow rates greater than 80 gpm, ask your dealer about installing a bypass configuration.

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### Installation

#### Equipment you will need:

- a set of **shut-off valves** or **rubber winterizing line-plugs** to use during installation or cartridge replacement to prevent draining (used in step 5)
- a filter **connector hose** of the same diameter as the other hoses on your pool equipment (used in step 5)

**1 Decide where** to install the Nature<sup>2</sup> vessel. It should be installed:

- on a concrete slab to support the weight of the vessel,
- after the filter on the main return to the pool,
- before or after the heater (downstream from a solar heating system).
- before any chemical dispenser or the discharge of an off-line chemical dispenser.

**2 Wrap the Teflon tape** around the threaded end of the hose adapters (supplied in the Parts Bag) as follows:

- Hold the adapter in one hand with the threaded end towards you.
- Wrap the tape clockwise until you have completed three or four wraps, overlapping about half of the Teflon tape already on the threads.

**3 Hand-tighten** both the hose adapters into the base of the Nature<sup>2</sup> vessel. Then, with a wrench, tighten *not more than* one-half turn more. The vessel is now ready to be installed.

**4 Run the pump** with a clean filter and under normal operating conditions. It is important to start with a clean filter. **Write down the pressure reading** found on the pressure gauge attached to the filter. Fill in pressure for your pool here: **Under normal conditions, the pressure gauge reads \_\_\_\_\_ psi.**

**5 Turn off the pump and totally isolate the equipment** (to prevent draining the pool) by plugging all lines running from the pool to the equipment, closing in-line valves, and/or using the winterizing line plugs to seal off the skimmer pipe and all return inlets. You are now ready to insert the vessel into the pool's lines.

**6 Disconnect the hose** on the outlet side of the filter. Connect it instead to the outlet side of the vessel.

**7 Install a new section of connector hose** between the outlet side of the filter and the inlet side of the vessel. Use the hose clamps from the Parts Bag to secure the two ends of the new section of hose. The new installation should look like this: Pool - Pump - Filter - Nature<sup>2</sup> Vessel - Pool.

**Note:** If your pool uses the large diameter hose (1 1/2"), you must cut off the ends of the adapter (the 1 1/4" stubs) as marked on each adapter, so they do not block the flow of water.

**8 Remove plugs or open all valves** used to isolate the filter. Screw on the cap until it is snug. *Do not overtighten the cap.* Check that all connections are secure.

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**Important:** *Do not install the Nature<sup>2</sup> Cartridge (C) yet!*

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**9 Turn on the pool's pump**, check for leaks and repair any leaks you find.

**10 Compare the pressure reading on the filter's gauge** with the pressure written down in step 4.

**If the pressure increased by :**

**between 1 and 2 psi:** All is well. Some increase is necessary for water to be forced into the vessel. You have completed the vessel installation and are ready for the cartridge start-up. Refer to your Nature<sup>2</sup> A30 Cartridge Owner's Manual for cartridge start-up procedures.

**more than 2 psi:** There is too much pressure for the circulating pump, filter and vessel to work efficiently. The vessel may need to be connected via a partial bypass. Consult your dealer.

**less than 1 psi:** See Flow Restrictor Installation on page 3.

## 2 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 hours a day.** Consult your Nature<sup>2</sup> dealer for optimum run times.

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

# Troubleshooting Guide

Consult your Nature<sup>2</sup> Dealer for additional assistance or call 1-888-786-7797.

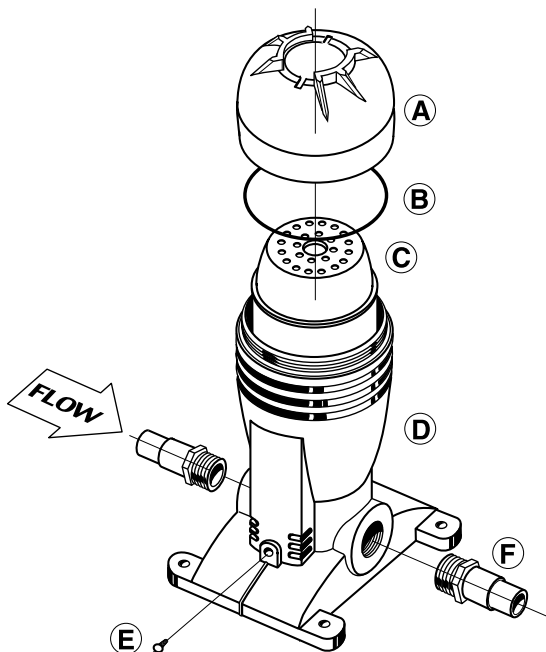
	Problem	What to look for	Treatment
<b>Equipment</b>	The vessel leaks	A. O-ring missing or improperly seated	Make sure O-ring is secure in the groove on the underside of cap (A), and not on the vessel. Lubricate O-ring with Teflon or silicone lubricant. <b>Note: Use of petroleum-based lubricants will void warranty.</b>
		B. Faulty plumbing	Repair source of leak in plumbing.
	No flow to vessel	Dirty filter (one indication: pressure is 8-10 psi higher than normal)	Clean or backwash filter so operating pressure is always within 7 psi of a new filter.

## Flow Restrictor Installation

When the vessel causes a filter pressure increase of less than 1 psi, use a flow restrictor to ensure proper water flow through the vessel.

### To install the flow restrictor:

- 1 Plug any lines** (or close any valves) to prevent pool from losing water.
  - 2 Disconnect hoses from vessel.**
  - 3 Remove cap and hose adapters.**
  - 4 Remove flow restrictor from Parts Bag.**
  - While holding the vessel with the inlet port facing up, **reach in and place restrictor** (fingers facing down) **into the flow control collar** (hole approximately 1" in diameter)
- Note:** You may need to reach into the outlet port side of the unit to help position the restrictor.
- Once the restrictor is positioned properly, **place the unit on a flat, firm surface** keeping the inlet port face up.
  - Apply downward pressure on restrictor** using a blunt-handled tool such as the end of a broom handle until it snaps into place.
  - Reinstall the vessel** according to instructions on page 2. Recheck the system pressure.



### A Aboveground Sanitizer

Reference Letter	Part	Part No.
A	Cap (yellow)	15240
B	Cap O-ring	13061
C	Cartridge	see front page
D	Vessel	
E	Winter Drain	13042
F	Hose Adapter	13002

## Replacing the Nature<sup>2</sup> Cartridge

The Nature<sup>2</sup> A30 Cartridge lasts 6 months.

### To replace the cartridge:

- 1 Shut off your pool's pump and filter.**
- 2 Close any valves between the filter and pool** to prevent draining the pool.
- 3 Unscrew the housing cap (A)** by twisting the cap counterclockwise until the cap is free of the housing base. If the cap is hard to twist, use a long-shafted screwdriver as a twist handle, placing it in the slot at the top of the housing cap.
- 4 Remove the old cartridge**
- 5 Insert the new cartridge.**
- 6 Replace the O-ring (B) on the vessel.** Every A30 cartridge includes a replacement O-ring.
- 7 Set cap in place** and screw clockwise until it is snug. *Do not overtighten.*
- 8 Open any valves that were closed** to isolate the Nature<sup>2</sup> Vessel in step 2.
- 9 Restart your pool's pump.** Check for leaks and fix any leaking fittings.
- 10 Follow the start up procedures** included with your Nature<sup>2</sup> replacement cartridge.

# Limited Warranty

## **NATURE<sup>2</sup> A ABOVEGROUND VESSEL LIMITED WARRANTY**

The limited warranties contained within this document are the only warranties given with your Nature<sup>2</sup> A Aboveground Vessel and supercede 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 Nature<sup>2</sup> A Aboveground Vessel, or one of its parts. The Nature<sup>2</sup> warranty applies to the original owner only.

## **THE LIMITED WARRANTIES OF THE NATURE<sup>2</sup> A ABOVEGROUND VESSEL:**

The Nature<sup>2</sup> A Aboveground Vessel you have purchased is warranted to be free of defects and materials and workmanship for a period of five years from the date of purchase. Your warranty registration card must be completed and mailed to Nature<sup>2</sup> to establish your installation date.

## **EXCLUSIONS FROM WARRANTY**

The Nature<sup>2</sup> A Aboveground Vessel is designed for use on aboveground pools from 5,000 to 30,000 gallons. If the unit 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 Nature<sup>2</sup>.

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.

## **TO SUBMIT A CLAIM**

Report claims to Zodiac Pool Care, Inc. by calling 1-888-537-6657. Only the original purchaser may submit a claim under this limited warranty. All claims must be accompanied by an original purchase receipt.



Zodiac Pool Care, Inc.  
2028 NW 25th Avenue  
Pompano Beach, FL 33069  
1-800-YES-PURE  
[www.nature2.com](http://www.nature2.com)