



ZODIAC

Nature² A Aboveground Sanitizer

Vessel Installation and Operating Manual



Important Safety Information

Please read this manual prior to installation.

Thank you for purchasing Nature². This Nature² A Aboveground Vessel provides the housing for the Nature² cartridge which is sold separately. Please refer to the owner's manual included with your cartridge for proper start-up procedures and the required low chlorine recipe. If you have questions, your authorized Zodiac Nature² dealer can provide professional advice and service.

EQUIPMENT UNDER PRESSURE



WARNING

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

- 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 feet from the pool so children cannot use the equipment to access the pool and be injured or drown.

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

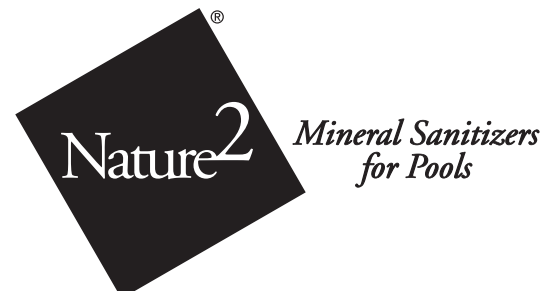
Replacement cartridge: (sold separately) Nature² A30

Important: The proper replacement cartridge model is indicated on the front label of your Nature² vessel.

Limited warranty: Vessel - 5 years

The Nature² Pool Sanitizer is designed for residential swimming pools only.

IMPORTANT: Pool Owner, save this manual. Builders, leave this manual with pool owner.



Installation

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

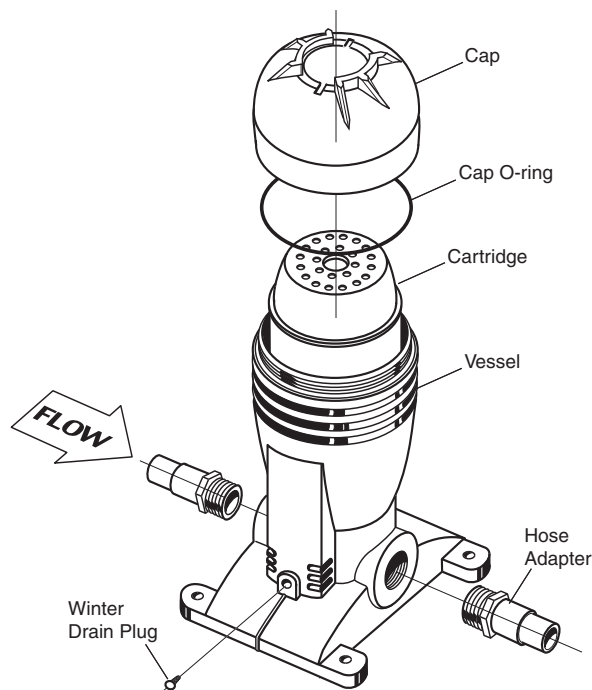
Important: If your pump system is designed to produce flow rates greater than 80 gpm, ask your dealer about installing a bypass configuration.

Equipment needed:

- A set of shut-off valves or rubber winterizing line-plugs to use during cartridge installation or replacement to prevent draining.
- A filter connector hose of the same diameter as the other hoses on your pool equipment.

Install the Vessel

Refer to the diagram below for part references.



1. Decide where to install the Nature² 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 of solar heating systems).
 - Before any chemical dispenser or the discharge of any off-line chemical dispenser. **IMPORTANT: Install a check valve before chlorinators to isolate the Nature² vessel from possible backflow of highly chlorinated water.**

2. Wrap Teflon tape (supplied in the Parts Bag) around the threaded end of the hose adapters as follows:
 - Hold adapter with the threaded end towards you.
 - Wrap the tape clockwise until you have completed three or four wraps, overlapping about half of the tape already.
3. Hand-tighten both hose adapters into the base of the Nature² 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. Fill in the pressure reading found on the pressure gauge attached to the filter. Under normal conditions, the pressure is ____ psi.
5. Turn off the pump and isolate the equipment (to prevent draining of 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.
6. Disconnect the hose on the outlet side of the filter. Connect it 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 hose. **Note:** If your pool uses large diameter hose (1-1/2"), 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.

The new installation should be: Pool - Pump - Filter - Nature² Vessel - Pool.
8. Remove plugs or open all valves used to isolate the filter. Screw on the cap until it is snug. Do not over tighten. Check that all connections are secure.

Important: Do not install the Nature² Cartridge until the vessel installation is complete.

9. Turn on the pool pump and check for leaks.
10. Compare the pressure reading on the filter gauge with the pressure reading recorded above.

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. The vessel installation is complete and are ready for cartridge start-up.

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: Use the Flow Restrictor Installation.

Flow Restrictor Installation

1. Plug any lines (or close 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.
5. 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.
6. Once the restrictor is positioned properly, place the unit on a flat, firm surface keeping the inlet port face up.
7. Apply downward pressure on restrictor using a blunt-handled tool such as the end of a broom handle until it snaps into place.
8. Reinstall the vessel and recheck the system pressure.

Operation and Maintenance

Refer to the Nature² Cartridge Owner's Manual for cartridge start-up procedures.

Filtration and 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 Nature² dealer for optimum run times.

Check the pool filter periodically and clean as recommended by the manufacturer.

Replacing the Nature² Cartridge

The Nature² 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 by twisting it counterclockwise until it 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 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.
9. Restart your pool pump. Check for leaks and fix any leaking fittings.
10. Follow the start-up procedures included with your Nature² replacement cartridge.

Troubleshooting

Use the guide below to correct common pool issues. For further assistance, consult your Nature² dealer or call us at 1-800-822-7933.

Problem	What to look for:	Treatment
The vessel leaks	1. O-ring missing or improperly seated	Make sure o-ring is secure in the groove on the underside of the cap and not on the vessel. Lubricate o-ring with Teflon or silicone lubricant. Note: Use of petroleum-based lubricants will void the warranty.
	2. 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.

Nature² A Aboveground Vessel Limited Warranty

The limited warranties contained within this document are the only warranties given with your Nature² 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 Nature² A Aboveground Vessel, or one of its parts. The Nature² warranty applies to the original owner only.

THE LIMITED WARRANTIES OF THE NATURE² A ABOVEGROUND VESSEL ARE:

The Nature² 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 Nature2 to establish your installation date.

EXCLUSIONS FROM WARRANTY

The Nature² 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 Nature².

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 1-800-822-7933. 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.
2620 Commerce Way
Vista, CA 92081
Tel: 800-822-7933
Fax: 877-327-1403
www.zodiacpoolcare.com