



ZODIAC

Nature² Pro G Plus In-ground Sanitizer

Vessel Installation and Operating Manual



Important Safety Information

Please read this manual prior to installation.

Thank you for purchasing Nature². This Nature² Pro G Plus In-ground Vessel provides the housing for the G In-ground Replacement Cartridge which is sold separately. Always refer to the owner's manual included with the 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.



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 Nature² 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.

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.

CHEMICAL USE HAZARD

- The Pro G Plus is designed to use only Trichloro-S-Triazinetrione tablets - slow dissolving type. NEVER MIX 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 all times.
- NEVER open chlorinator when pump is running.
- 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.

Specifications

Capacity: Up to 45,000 gallons (Depending on cartridge size installed.)

Dimensions: 18" L x 18" H x 10" D

Ports: 2" PVC SKT inlet and outlet

Weight: 10 lbs

Maximum operating pressure: 45 psi

Minimum flow rate: 20 gpm

Maximum flow rate: 80 gpm

Limited warranty: Vessel - 2 years

Replacement cartridge: (sold separately)

G25 10,000 to 25,000 gallons

G35 25,000 to 35,000 gallons

G45 35,000 to 45,000 gallons

Important: The proper replacement cartridge model is indicated on the front label of your Pro G Plus.

Chlorine: (sold separately) Use only slow dissolving Trichloro-S-Triazinetrione (Tri-Chlor) tablets.

Tri-Chlor tablet capacity: 9 lbs

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

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



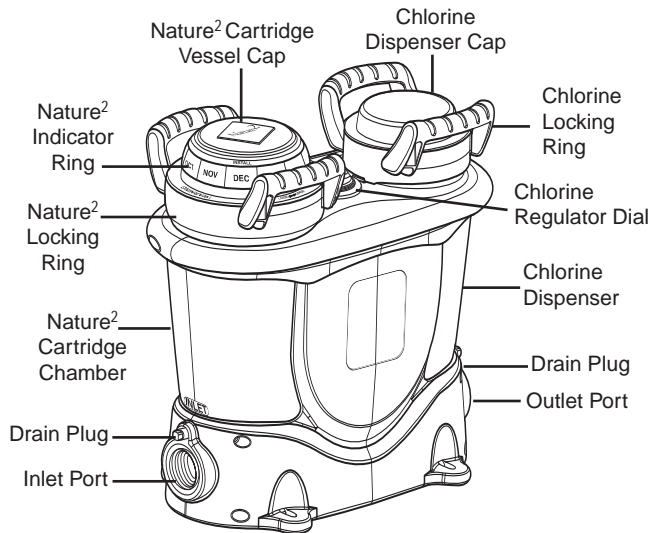
Installation

Under normal pump and filter pressure conditions on in-ground pool systems, the flow rate to the vessel is 20 to 80 gpm.

Important: If your pump system is designed to produce flow rates greater than 80 gpm or if plumbing is greater than 2", then your vessel must be installed in a bypass configuration (see Bypass Installation instructions).

Install the Vessel

Important: Turn off the pump and filter. Refer to the diagram below for part references.

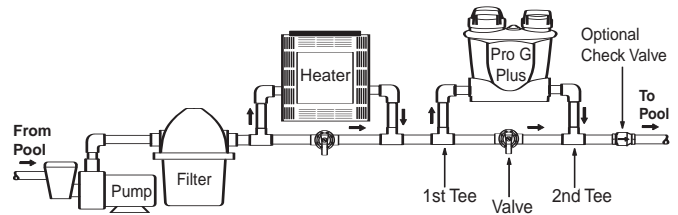


1. Decide where to install the Pro G Plus. It must be installed:
 - On a concrete slab to support the weight of the vessel
 - As the last component on the pool return line with the Nature² side as the inlet and the chlorine side as the outlet.
The Pro G Plus must be installed after the heater or heater damage will occur.
 - Never install the Pro G Plus feeder directly into copper plumbing as pipe damage may occur. If brass or bronze backwash valves, or other sensitive metallic components are installed, consult your dealer for recommendations on your particular system.
 - If the Pro G Plus will be installed below the pool water level, install a check valve to isolate the vessel and prevent pool draining during installation and cartridge change or chlorine tablet addition.
 - If plumbing size is greater than 2" diameter or if flow rates are greater than 80 gpm, use a **bypass installation**.
 - The Pro G Plus must be installed using the **split-return installation** when uses with in-floor cleaning systems or damage to the vessel will occur.
2. Connect the outlet from the filter or heater to the 2" vessel inlet port with the appropriate Schedule 40 PVC pipe; secure the connection with a pipe glue that is compatible with PVC.

Note: Reducer bushings can be used to accommodate 1.5" plumbing with no effect on the operation of the Pro G Plus.

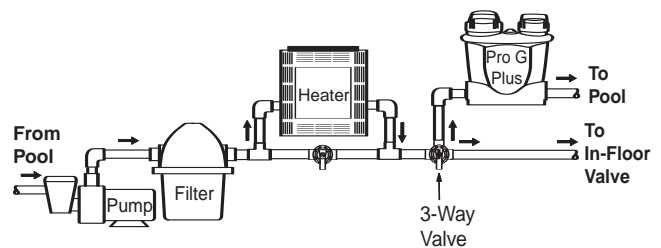
3. Connect the vessel outlet port to the pool return line with the same type of PVC pipe and secure the connection with pipe glue. Allow sufficient time for the glue to dry.
4. **Important:** Do not install the Nature² Cartridge. Screw on the locking ring until snug; do not over tighten. Verify that all connections are secure.
5. Start the pump and check for leaks.

Bypass Installation



1. Install tees in the return line to allow water to be diverted to the Pro G Plus vessel.
2. Connect the bypass line from the first tee to the inlet of the vessel and from the outlet of the vessel to the second tee.
3. Install a control valve in the return line between the first and second tee to control the water flow through the bypass.
4. Fully open any closed valves, including the control valve, and start the pump diverting water through the new bypass.
5. With the valve open, read the pressure on the filter gauge.
6. Adjust the control valve until the filter gauge increases by 2-6 psi.
7. Check the vessel and system for leaks.

Split-Return Installation



1. Install a 3-way valve in the return line to allow water to be diverted/restricted to the Pro G Plus and in-floor system.
2. Fully open any closed valves, including the 3-way, to allow unrestricted flow to the Pro G Plus and in-floor valve.
3. Start the pump and allow water to pass through the newly plumbed system.
4. Verify that the in-floor cleaning heads are operating properly, popping up, rotating, not sluggish, etc. See the in-floor operating manual for proper operation of system. If the heads are **not operating properly**, adjust the 3-way valve, decreasing flow to the Pro G Plus until the in-floor function is corrected.
5. Start the pump and check for leaks.

Operation and Maintenance

Start Up

Before using a new Nature² cartridge, clean debris and algae out of the pool and pool equipment. **Important: Install the new cartridge only after the pool water is clean and chemically balanced.**

Proper balance for the Nature² pool:

- pH 7.4-7.8
- Calcium Hardness 200-400 ppm
- Total Alkalinity 80-150 ppm

Refer to the Nature² Cartridge Owner's Manual for complete 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 pool filter periodically, clean as recommended by manufacturer.

Nature² Cartridge Replacement

The Nature² cartridge for the Pro G Plus lasts six months. Use the month indicator ring to identify the "Replace" month when the cartridge must be replaced. To replace the cartridge:

1. Shut off the pool pump and filter.
2. Close valves between filter and pool to prevent pool draining.
3. Turn locking ring counterclockwise to remove and lift off cap.
4. Remove old cartridge and discard in household trash. Insert the new cartridge.
5. Position cap flat on the vessel housing. **Important: Make sure the o-ring is secure in the groove on the vessel top, not on the underside of the cap.** Turn locking ring clockwise until it locks into place, do not over tighten.
6. Rotate the month indicator ring on the cap to indicate the current "Install" month and the next "Replace" month.
7. Open any valves that were closed to isolate the Pro G Plus.

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 vessel housing, not on the cap.
	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.

8. Restart the pool pump and recheck for leaks.
9. Follow the start up procedures included with your Nature² replacement cartridge.

Adding Chlorine Tablets

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 Pro G Plus provides a minimum of one 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.

To add: Turn locking ring counterclockwise to remove and lift off cap. Add the desired amount of slow dissolving Tri-Chlor tablets, up to 9 lbs. Replace cap and turn locking ring clockwise until it locks.

Winterizing

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 Nature² cartridge and discard with household trash.
2. **Review chemical use hazard on page one of this manual before opening the chlorine chamber.** Carefully remove any remaining chlorine tablets.
3. Remove and save the two drain plugs.
4. Rinse out Pro G Plus thoroughly with water.
5. If blowing lines clear with air, set chlorine regulator dial to +.
6. After completing winterization, loosen locking rings.

For Spring Start Up:

1. Replace the two drain plugs.
2. Start up your pool as normal.
3. After the water has been balanced, insert the new Nature² cartridge, add the chlorine tablets, and complete the cartridge start up procedures in the Nature² cartridge owner's manual.

Nature² Pro G Plus Vessel Limited Warranty

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

THE LIMITED WARRANTIES OF THE PRO G PLUS VESSEL ARE:

The Nature² Pro G Plus Vessel you have purchased is warranted to be free of defects and materials and workmanship for a period of two 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 Pro G Plus Vessel is designed for use on in-ground pools up to 45,000 gallons, dependent on replacement cartridge size. **Installing the Nature² Pro G Plus in-line with an actuator valve voids the warranty.** The Nature² Pro G Plus Vessel can not be installed on portable spas. 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