PROFESSIONAL UNGER

RINSE 'N' GO PLUS™

User Manual

Read carefully for safety, assembly and operating instructions prior to using this product.

READ USER MANUAL BEFORE USING PRODUCT.

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⚠ DANGER

CONTENTS UNDER PRESSURE. CAN CAUSE SEVERE INJURY OR DEATH FROM TANK RUPTURE. THIS PRODUCT CONTAINS A BUTTON BATTERY. IF SWALLOWED, IT COULD CAUSE SEVERE INJURY OR DEATH IN JUST 2 HOURS. SEEK MEDICAL ATTENTION IMMEDIATELY.

WHEN STARTING SYSTEM

- DO NOT EXCEED PRESSURE OF 90 PSI (6.2 BAR).
- CHECK SYSTEM FOR CRACKS.
- BE SURE COVER IS IN LOCKED POSITION.
- FOR USE ONLY WITH TAP WATER.

BEFORE SERVICING SYSTEM

- SHUT OFF TAP WATER SUPPLY.
- DISCONNECT WATER SUPPLY HOSE AND ALLOW TANK TO DRAIN.
- SPILLED RESIN IS A SLIPPING HAZARD.
- CLEAN UP SPILLED RESIN IMMEDIATELY.

RESIN CAN CAUSE SKIN IRRITATION

- AVOID SKIN CONTACT.
- WASH HANDS THOROUGHLY AFTER USE.
- CAN CAUSE EYE IRRITATION.
- AVOID EYE CONTACT.
- WEAR SAFETY GOGGLES.
- IN CASE OF EYE CONTACT, IMMEDIATELY FLUSH EYES THOROUGHLY WITH CLEAN WATER.
- CONSULT DOCTOR IF SYMPTOMS PERSIST.

INTRODUCTION

Thank you for your purchase of the Unger Professional Rinse 'n' Go™ Plus System. This manual will help you get set up and begin using your product right away. When used as intended, this system will produce low total dissolved solids or TDS (less than 20 ppm) pure water for auto and glass cleaning.

The science behind this product is called deionization, or ion exchange. In this process, the minerals responsible for leaving spots on your car and windows are removed from the water. So, you can rinse the surface, walk away, and still get spot-free and streak-free results. This water is meant to be used for the final rinse of your car. You still need to wash dirt and grime off of your car as you would normally do when washing your car. However, instead of spending all of that time drying it by hand, you can rinse the car with this water and just walk away.

The Unger Professional Rinse 'n' Go Plus System contains mixed bed ion exchange resin to remove impurities out of ordinary tap water, turning it into what is commonly referred to as pure water. Such impurities are referred to as total dissolved solids (TDS) and are measured in parts per million (ppm). Water is considered 100% demineralized or pure when its TDS is measured at 0 ppm. The average TDS of drinking water is 180 ppm (see table in section 5.0). Pure water left on the surface will dry to a clean and spot-free appearance.

No power is required other than the tap water line pressure, which typically ranges from 40-60 psi. This enables the system to produce pure water at approximately 2.5 gallons per minute. Unger recommends testing the water supply (TDS) before using this product at a pressure that does not exceed 90 psi (see section 4.0 for more information).

Mixed bed ion exchange resin eventually becomes exhausted and no longer able to remove impurities. A TDS meter is included with the system to measure the TDS level in the water that comes out of the system. TDS is a measure of how pure the water is. Water that contains a TDS of less than 20 ppm should not leave spotting on the car. The TDS must be less than 10 ppm for spot-free glass.

When TDS levels reach over 20 ppm the resin filter should be replaced. Changing the resin filter is quick and easy (See section 6.0).

1.0 SAFETY INFORMATION

Prior to product assembly and start-up, it is essential that you observe the safety information and instructions for installation and maintenance contained in this manual. Unger is not liable for damage to application areas, plumbing system components or persons. Unger is not liable for misuse or mishandling of the product, including dropping, dragging or dismantling.

1.1 GENERAL WARNINGS:

- Never direct water towards eyes or face.
- **KEEP OUT OF REACH OF CHILDREN AND PETS.** Do not allow product to be used as a toy. Close supervision is necessary when any appliance is used by or near children.
- To prevent electrical shock, do not use near any sources of electricity, including electric and power lines.
- Do not use on electrical equipment or appliances.
- After unpacking the product, be sure to carefully dispose of any plastic bags to avoid injury.
- Use only as described in this manual. Use only manufacturer's recommended attachments.
- Be sure cover is in locked position prior to use.
- Do not exert excessive pressure on release mechanism as breakage may occur.
- Drain the water from the unit after each use.
- Do not allow unit or resin to freeze.
- Ensure work area has sufficient water drainage.
- Turn off water supply when not in use.
- Do not drink water produced by this product.

1.2 WHEN STARTING SYSTEM:

- For use only with tap water.
- Do not connect to pressure washer or auxiliary pump.
- Do not exceed water pressure of 90 psi.
- Check system for cracks/damage.
- Be sure cover is in fully locked position.

1.3 BEFORE OPENING SYSTEM TO REPLACE RESIN:

- Shut off tap water supply.
- Open water output or press yellow pressure release button down to release pressure from system.
- Spilled resin is a slipping hazard. Clean up spilled resin immediately.
- Wash hands thoroughly after use.
- Resin can cause eye irritation. Avoid eye contact. In case of eye contact, immediately flush eyes thoroughly with clean water. Consult doctor if symptoms persist.

1.4 INTENDED USE:

This product is designed for personal use only. Always ensure that the product is properly assembled, regularly maintained and used only as intended. This product is meant to be used outside and stored at a temperature between 40°F - 100°F. Use this device only for water treatment to reach an optimal water quality for spot-free cleaning. **Any other use, especially water treatment for food production (e.g., beverages) or drinking water consumption is prohibited.**

2.0 SYSTEM PRODUCTS & ACCESSORIES

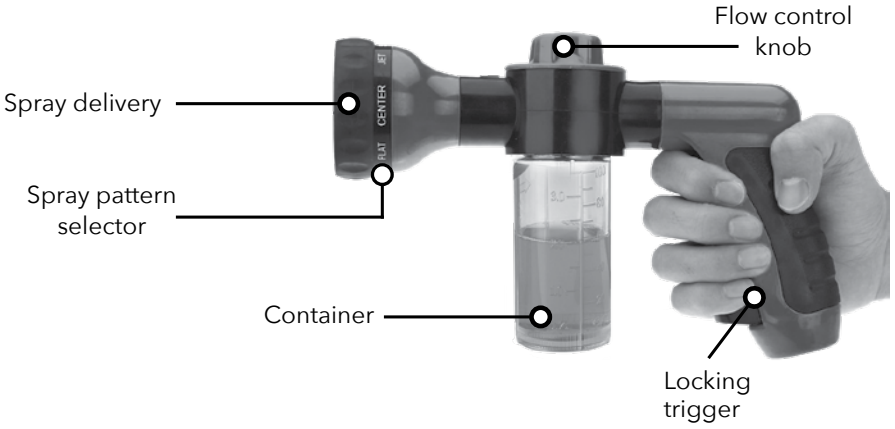
NOTE: When unpacking the product, make sure that no accessories are missing and that none of the package contents have been damaged. (Refer to product box for system content.)

RINSE 'N' GO PLUS DEIONIZATION SYSTEM OVERVIEW

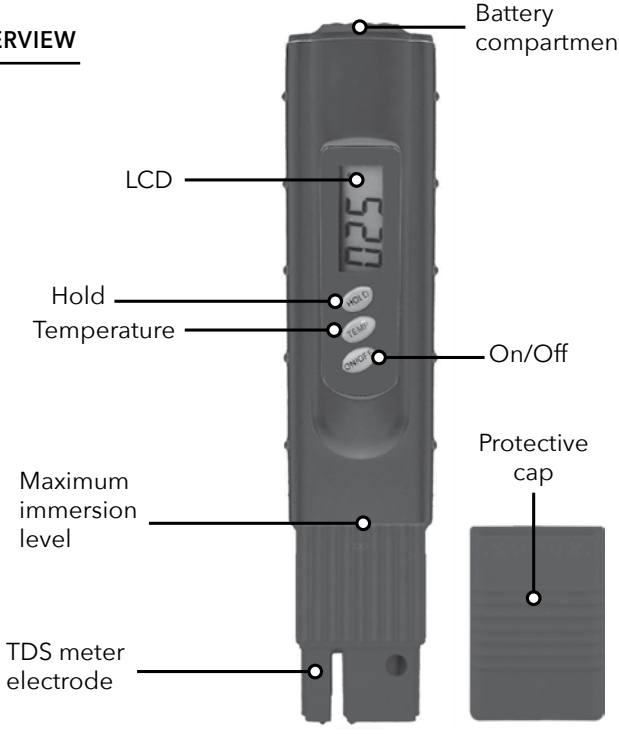
This product can be connected to traditional garden hoses and used with conventional car and window cleaning tools of your choice.

System Assembly

SOAP BLASTING CAR WASH NOZZLE OVERVIEW (INCLUDED WITH SELECT MODELS)



TDS METER OVERVIEW



2.0 SYSTEM PRODUCTS & ACCESSORIES (CONT.)

INLET HOSE AND CONNECTION PLUGS

Inlet adapters connect to the water supply and hose

Inlet Adapters

Inlet female plug

Inlet male plug

Water supply hose connects directly to the Inlet connector at the bottom of the unit

Water supply hose (Provided)

OUTLET CONNECTION PLUGS

Soap Blasting Nozzle hose connects directly to the outlet connector at the top of the unit

Outlet Adapters

Oulet female plug

Outlet male plug

CONNECTION OVERVIEW

Outlet Adapters

Garden hose

Inlet male plug

Outlet female plug

Inlet Adapters

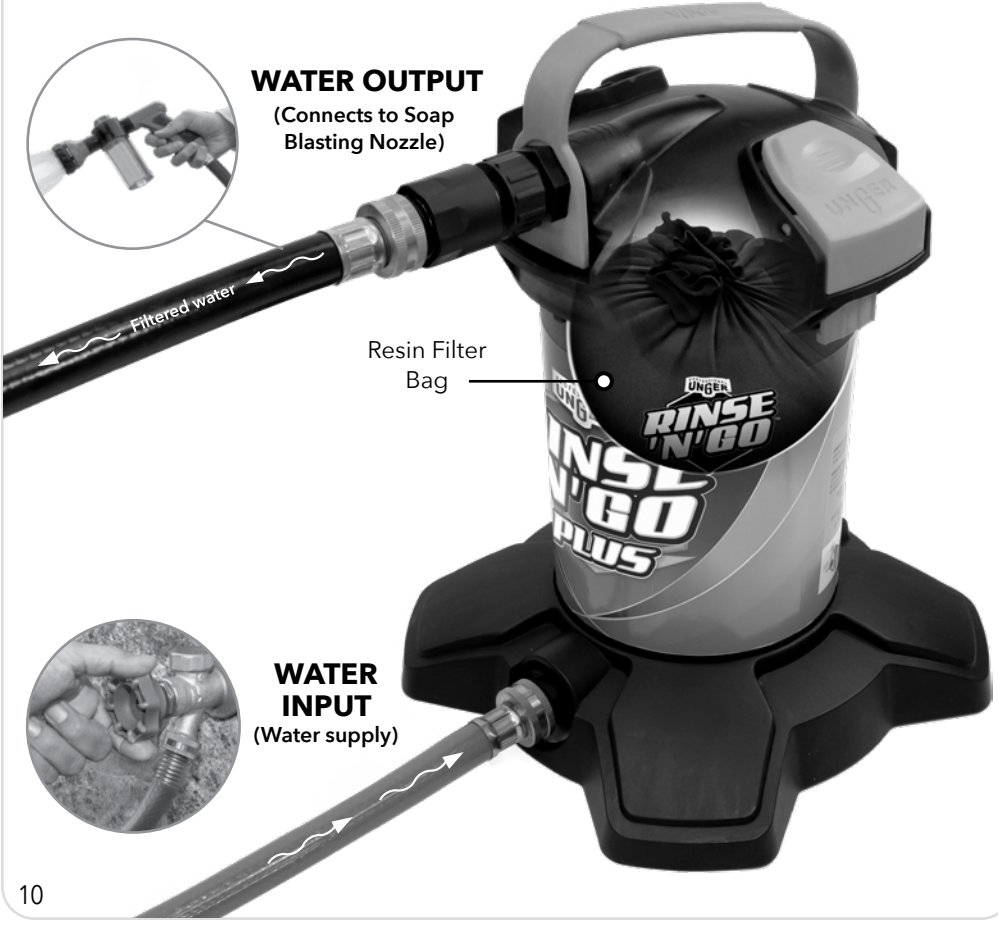
Inlet female plug

Inlet male plug

3.0 ASSEMBLY INSTRUCTIONS

- Unpack Unit: Inspect the Unger Professional Rinse 'n' Go Plus System and all components to ensure there are no cracks or other damage. Read all warnings and manual.
- Ensure there is a Resin Filter inside the unit. (For instructions on how to open the unit, see section 6.0).
- Water input connection must always be at the bottom/base of the unit.

If leaking or dripping occurs around the hose connections, re-tighten the connections by hand.



4.0 USE AND OPERATION

Unger recommends testing the water supply for TDS prior to use in order to determine approximately how many times you can rinse your car before replacing the resin filter.

INSPECT THE RINSE 'N' GO PLUS SYSTEM PRIOR TO USE

Inspect system for leaks, cracks, or dents and proper fit of top cap assembly. Ensure hoses are properly attached and there are no leaks.

PREPARE THE SYSTEM FOR USE:

1. Locate water supply.

2. Set up system in upright position.

3. Choose a stable location where product is securely on the ground to minimize toppling.

4. Connect water supply (garden hose) to inlet connection at the bottom of the unit

5. Connect garden hose to outlet connection.

Product needs to be upright for water to flow through resin. If the product is on its side, water won't flow through resin correctly, resulting in spots and/or streaks.

You may experience water dripping from around the pressure release lever when you first turn on and turn off the water running into the unit. The Rinse 'n' Go Plus System is designed with an air release valve to remove air from the unit. When the water source is turned on, water will drip from around the pressure release lever while the air is removed and until the internal pressure reaches approximately 25 psi and the air release valve seals. The same dripping may occur when the water source is turned off and the internal pressure drops below approximately 25 psi.

4.0 USE AND OPERATION (CONT.)

IF YOUR SYSTEM CAME WITH A SOAP BLASTING CAR WASH NOZZLE:

1. Fill container with your favorite concentrated car wash shampoo (do not add water).

2. Attach the spray nozzle to your garden hose.

USING THE TDS METER

1. Remove the protective cap.

2. Press the ON/OFF button to turn the meter on.

3. When water begins to flow out of the unit, fill the protective cap with the water.

4. Insert the meter into the capful of water for 5 seconds.

5. The LCD will indicate the ppm level of the water.

6. Press the HOLD button in order to view the LCD when meter is removed from the water.

7. Press the ON/OFF button to turn the meter off.

8. Dry the meter completely before replacing the protective cap.

9. Return the TDS meter to the holder on the unit for storage.

When the TDS meter shows a reading of 20 ppm or higher, spotting may occur and it is recommended that the resin filter be replaced.

WASHING YOUR CAR USING THE RINSE 'N' GO SYSTEM

- Wash your car as you normally would to remove dirt and grime. If your system came with a Soap Blasting Car Wash Nozzle, you can use this to soap up your car. We don't recommend using the pure (deionized) water from Rinse 'n' Go for this step.
- Using the Rinse 'n' Go Plus System, rinse your car with pure (deionized) water. If using the Soap Blasting Car Wash Nozzle, turn the flow control knob to the water setting to ensure you don't continue adding soap to the car.
- Make sure to rinse every part of the car with the water, including areas where soap might get stuck, for example, around trunk, lights, and fuel door.
- For best results, rinse the car twice to remove all soap and ensure spot-free results.
- You're done! No need to hand dry your car. The purified water does all the work for you so that your car will dry completely spot-free! Just like if you had it cleaned at a professional car wash.

5.0 PURE WATER PRODUCTION

Tap water flows into the system's lower connection port via tap pressure and flows upwards through the Rinse 'n' Go Plus tank. Pure water exits through the top connection. When plumbing line pressures fall below 40 psi, a reduction in flow rates will be noticeable.

The type of tap water you run through the system will impact how long you are able to use the purifying resin filter before seeing spots and streaks. This is often referred to as hard water. All water starts as soft water but the level of minerals, such as magnesium and calcium, that are in the ground impact how hard the water will become.

Soft water has a TDS reading of 100 ppm or less, while some regions with very hard water have a TDS reading of 400 ppm or greater. This product is meant to last 10 rinses with an average TDS reading of 200 ppm. To test the ppm level of your water, you can use the TDS Meter to measure the water coming directly out of the tap.

Water	TDS Reading	Avg. # of rinses per Resin Filter*
Soft	<100 ppm	10 -12
Medium	100 – 250 ppm	8 -10
Hard	250 – 400 ppm	6-8
Very Hard	400 – 450 ppm	4-6

*All values based on 20 ppm as a maximum for pure water quality and an average car rinse time of 4 minutes.

When washing your car, we recommend using the pure (deionized) water from the Rinse 'n' Go Plus System for the rinse portion of the process only.
You can use the pure water to apply the soap and wash your car, but you will run through resin faster and it will not improve results.

6.0 SYSTEM MAINTENANCE AND CARE

Unger does not recommend the use of any other resin except that which is made specifically for the Unger Professional Rinse 'n' Go Plus. The use of any other resin may cause damage to the system.

AFTER EACH USE

1. Shut off tap water supply.

2. Disconnect hoses from both ends of the unit.

3. Drain water from the unit by tilting the top of the unit forward and allowing water to drain from the bottom of the tank, via the input connection.

4. Reconnect the inlet hose and connect the stoppers to the outlet and hose connectors to prevent resin from drying.

OPENING THE UNIT AND REPLACING THE RESIN FILTER

1. Shut off tap water supply.

2. Press yellow lever on system head and using a counterclockwise quarter turn, release the system head from the rest of the system. Remove head and set aside.

3. Reach into tank and remove the bag by lifting it out of the unit, discard according to local regulations.

4. Drop new resin filter into the tank, zip-tie facing up. You may need to pat down by hand to ensure the entire bag fits well inside the chamber. **Do not remove resin from the nylon bag.**

5. Re-attach system head by pushing down firmly and turning a quarter-turn clockwise.

1

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CARE MUST BE TAKEN WHEN OPERATING AND SERVICING THIS PRODUCT. THERE IS A RISK OF DAMAGE TO THE SYSTEM DUE TO:

- Operating and installation errors.
- Use of resin filter other than that specifically made for Unger Professional Rinse 'n' Go.
- Use of loose resin (loose resin will most likely cause clogging and reduce flow rate).
- Pressure is not released correctly.
- Performing unauthorized modification to product.
- Improper maintenance and storage: Never store below freezing. Always seal unit (inlet and outlet) between uses using plugs to prevent resin from drying out.

7.0 STORAGE

1. Shut off tap water supply and disconnect hoses from both ends of the unit.

2. Drain water from the unit by tilting the top of the unit forward and allowing water to drain from the bottom of the tank, via the input connection.

3. Reconnect the inlet hose and connect the stoppers to the outlet and hose connectors to prevent resin from drying.

The system should be stored in a dry place at a temperature between 40°F - 100°F. Do not allow product to freeze or damage might occur.

Storing the product in an upright position is recommended. If storing the product for longer than 6 months without using, remove the resin and discard it in accordance with applicable federal, state/provincial and local laws and regulations.

- Do not store resin in open or unlabeled containers.
- Store resin in a cool (40°F - 100°F), dry place.

8.0 ENVIRONMENTAL INFORMATION

- The outer packing material can be recycled. Please recycle.
- Please dispose of used resin filter in accordance with applicable federal, state/provincial and local laws and regulations.

9.0 TDS METER

The TDS meter model HS-1510 included with the system is to measure the Total Dissolved Solids (TDS) level in the water that comes out of the Rinse 'n' Go Plus System. TDS is a measure of how pure the water is. Water that contains a TDS of less than 20 ppm should not leave spotting on the car. The TDS must be less than 10 ppm for spot-free glass.

BATTERIES

WARNING

The TDS meter contains two button batteries. If swallowed, could cause severe injury or death in just 2 hours. Seek medical attention immediately.

KEEP BATTERIES OUT OF REACH OF CHILDREN

Swallowing may lead to serious injury in as little as 2 hours or death, due to chemical burns and potential perforation of the esophagus. If you suspect your child has swallowed or inserted a button battery, immediately seek urgent medical assistance.

HOW TO REPLACE THE BATTERIES:

- Pull open the battery compartment.
- Insert new batteries as indicated inside the battery compartment with the positive and negative sides aligned.
- Replace both batteries at the same time (1.5V 'LR44 type' button batteries). Do not mix old and new batteries or different battery types.
- Use only two 1.5V 'LR44 type' button batteries.
- Close battery compartment securely.
- Dispose of used batteries properly and immediately.

★★★★★ LIFETIME GUARANTEE PRODUCT LIFETIME GUARANTEE

We design and test Unger products to ensure they meet our high quality standards. We support this with the Unger Professional Product Lifetime Guarantee. We will replace your Unger Professional Rinse 'n' Go Plus System if it does not meet our high quality standards for material, construction, or workmanship.

THE GUARANTEE DOES NOT COVER:

- Damage caused by using the product in a commercial enterprise.
- Failing to follow Unger's use and maintenance instructions.
- Operating and installation errors.
- Opening/disassembly of housing other than by Unger (except resin replacement as described in section 6.0).
- Replacing connections and components or performing unauthorized modifications other than by Unger.
- Use of the system at more than 90 psi.
- Use of this product with a pressure washer or auxiliary pump.
- Replacement of purifying resin filters.

UNGER IS NOT LIABLE FOR THE FUNCTION OF THE PRODUCT WHEN:

- Use is not in accordance with product instructions.
- Failing to comply with safety instructions.

If you believe that your Unger Professional Rinse 'n' Go Plus System does not meet the guidelines as described for the Unger Professional Lifetime Guarantee, please contact us at 1-800-833-6100. Unger may, at its discretion, require return of the product for examination and testing. If a replacement product is no longer available, Unger will replace your product with one of equal or greater retail value at its sole discretion.

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