



pureWash Pro^{X2}

BY  GREENTECH



Owner's Manual

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RECORDS

Please record the name and phone number of your Dealer.

Name: _____

Phone #: _____

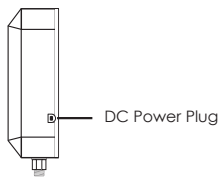
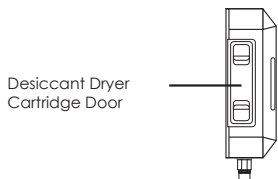
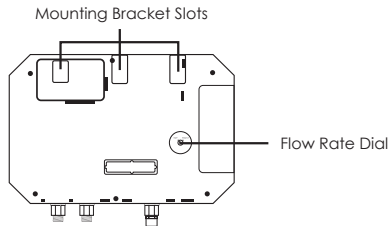
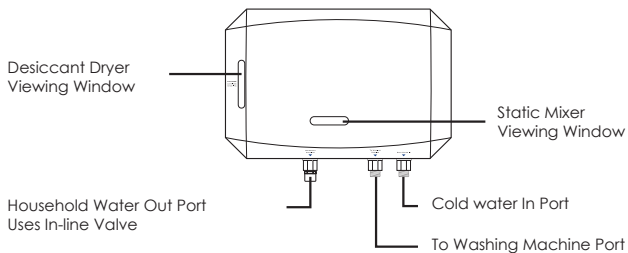
Please record the serial number of your pureWash Pro X2.

Serial #: _____

PRODUCT CONTENTS/UNIT DIAGRAM

This package contains:

- 1 pureWash Pro X2
- 1 Quick Start Guide
- 1 Power Adapter
- 1 Mounting Template
- 1 Mounting Bracket
- 3 Mounting Screws
- 3 Dry Wall Anchors
- 1 Household Water Out Valve
- 1 Stainless Steel Hose
- 1 Hose Sprayer



ABOUT PUREWASH PRO X2

pureWash Pro X2 is an environmentally friendly appliance designed to work with your residential washing machine, adding enhanced oxygen and Photo Catalytic Oxidizers to the cold water supply. Water treated by pureWash Pro X2 aids in cleaning laundry and killing bacteria without leaving residual detergent in the fabric. Many people find they are allergic to detergents used in washers and detergents create an environmental problem as they are dispersed into the waste water by washers.

The operation of pureWash Pro X2 is easy and convenient. Once your pureWash Pro X2 is properly installed, you simply operate your washing machine following the manufacturer's instructions for cold water only washing. pureWash Pro X2 is designed to automatically turn on as soon as the washer demands water for the wash cycle and again for any rinse cycles. You will be able to see the production of enhanced oxidation bubbles through the viewing window as it glows blue. When the water stops flowing, your pureWash Pro X2 will automatically turn off after one minute.

SPECIFICATIONS

Model: PWPROX2V01US

Electrical INPUT: AC 100-240V/50-60Hz

Electrical OUTPUT: DC 12V, 3A

Water Pressure Required: 40-75 psi

Water Operating Temperature: Use Cold Water Only

Dimensions: 12.72" H x 16.34" W x 3.66" D

Weight: 6.2 lbs

USING YOUR PUREWASH PRO X2

Daily Use

Using pureWash Pro X2 is very easy. You simply operate your washing machine according to the instructions provided by the manufacturer. The only difference is that you **ONLY** use the cold water setting on your washer. If hot water is used it dilutes and defeats the effectiveness of the oxidizers that the pureWash Pro X2 has introduced into the wash water.

Turn Off Water During Non-Use

IMPORTANT: To avoid possible property damage due to flooding, turn off the water supply to pureWash Pro X2 during periods of nonuse. Operate your washer and pureWash Pro X2 only when you are at home.

Stains

Always pre-treat stains just as you would without pureWash Pro X2. For best results, use pureWash Pre, our powerful, all-natural, enzyme based pre-treatment. Laundry detergent may be used in conjunction with pureWash Pro for heavily soiled clothing. Levels of 1/4 the normal amount or less is sufficient.

How to tell pureWash Pro X2 is Working

You can easily tell if pureWash Pro X2 is operating properly by viewing the water as it flows through the clear tube behind the window on the unit. Bubbles should be visible in the water as it flows through and the window should emit a blue glow. If you do not see bubbles, please ensure that you have the proper Venturi Setting (Using the Flow Rate Dial) selected for your washing machine. High-efficiency or front load washers should use the Front Load Setting, but standard-efficiency top-loading washers should use the Top Load Setting. If the Top Load Setting is used on a high-efficiency washer, there likely will be no bubbles and you will not experience the benefits of using pureWash Pro X2.

WARNINGS

For your safety and the proper operation of the product, please read through the warnings below before beginning installation, cleaning, or maintenance.



- Disconnect power before servicing.



- Do not operate the unit with the cover removed.
- pureWash Pro X2 is designed for residential use only and is not intended for use in a commercial or industrial setting.
- Water treated by pureWash Pro X2 is intended for laundry or cleaning purposes ONLY. It is not approved for drinking or ingesting.
- pureWash Pro X2 is intended for use with COLD WATER ONLY, however the hot water hose should remain connected to the washer and supply faucet to prevent backflow leaks. The hot water faucet should be turned to the off position to ensure the use of COLD WATER ONLY. If your washer requires water to be available through the hot water inlet, even on the COLD-COLD setting, use a Y-Type splitter to attach to the TO WASHER outlet to supply both the COLD and HOT water hoses.
- Risk of water leaks from ruptured hoses or pureWash internal plumbing could occur with major water pressure surges.
- Maximum inlet water pressure is 75 psi.
- Never install the pureWash Pro X2 in areas where water may freeze. pureWash Pro X2 will always maintain some water in the unit and freezing can cause damage to internal components.
- Do not use flood preventing hoses with auto shut off devices or hoses with an internal diameter of less than 3/8". The result will be inadequate flow to the pureWash which will affect the pureWash operation and greatly reduce performance.
- To avoid the possibility of water damage due to flooding it is recommended that you always turn off the water supply valves/faucets when the washing machine is not in use.



- pureWash Pro X2 is not recommended to treat water with high iron content. If your water has high iron content, consult a water quality expert for available options.
- Your pureWash Pro X2 can be cleaned with a damp soft cloth. Do not clean your pureWash Pro X2 with harsh chemicals, abrasives or cleaners.

INSTALLATION REQUIREMENTS

Electrical Requirements:

- pureWash Pro X2 requires 120 Volt 60 Hz power on a 15 amp fuse or circuit breaker.

Water Requirements:

- Water pressure of 40 to 75 psi is required for pureWash Pro X2 to operate correctly and safely.
- Water quality may affect the performance of your pureWash Pro X2. If you have water quality concerns, such as high iron content, consult a water filtration expert.
- Some later model high-efficiency washing machines require water from both the cold and hot water supplies even if a cold water cycle is selected. In this case the To Washer and Household Use outlets can be connected to supply the hot and cold water inlets on the washer, or a Y-valve can be used to connect both the cold and hot water hoses from one of the pureWash Pro X2 outlet hose to the washing machine.

PRIOR TO INSTALLATION:

1. Remove your pureWash Pro X2 from its packaging and inspect for any shipping damage.
2. Turn off the hot and cold water supplies/faucets to your washing machine.
3. Remove the cold water hose from the cold water faucet.
4. Set Flow Rate Dial for type of washer. (i.e. Top Load, Front Load) by turning the dial on the rear of the unit to the correct setting.
5. Remove the Desiccant Dryer Cartridge and peel away the Moisture Blocking Tab. Replace the Cartridge when finished.

INSTALLATION



Water supply faucets should be readily accessible to permit turning them off when pureWash Pro X2 is not being used.



IMPORTANT: Turn off water supply whenever pureWash Pro X2 is not in use.

1. The pureWash Pro X2 should be fastened to the wall, just above and behind your washing machine. It is recommended that one of the mounting holes on the pureWash Pro X2 be mounted to a wall stud, if possible. One set of mounting screws are included. If it is not possible to mount the pureWash Pro X2 to a wall stud, you should use the provided "molly" type expandable screw anchors. For any other type of mounting scenarios (concrete block, etc.) please consult your local hardware store for assistance.
2. Use the provided Mounting Template to place your Mounting Bracket onto the wall with the tabs facing up and away from the wall, making sure it is level, mark the locations of the screw holes. If necessary, pre-drill your holes and use the supplied Wall Anchors. Fasten the Mounting Bracket to wall using the supplied screws.
3. Place your pureWash Pro X2 against the wall and gently slide the unit down into the lock position of the mounting bracket slots.
4. Connect the cold water hose from your washer to the "To Washing Machine" port on your pureWash Pro X2. Check that the rubber washer in the hose is in place and properly tighten the hose, but DO NOT overtighten. Use a wrench to hold the hose bib secure while tightening the hose connection.
5. With the supplied hose, connect the "Cold Water In" port on the pureWash Pro X2 to your Cold Water Supply Faucet. Make sure rubber washers are in place and properly tighten, but DO NOT overtighten. Again, use a wrench to hold the hose bib secure on the pureWash Pro X2 while tightening.

Do not use flood-preventing hoses with auto shutoff devices. The devices can be tripped during fill and prevent the machine from filling properly.

Be sure the cold water connection has a shut-off valve and that hose connections are tight. CLOSE the shut-off valve at the end of each wash.

6. Plug the power adapter into the DC adapter plug-in on the right side of your pureWash Pro X2 and then plug the adapter into a wall outlet.
7. Ensure all hoses are properly installed and tightened, and that the power supply has been properly installed. SLOWLY turn the water supply back on and check for any leaks or drips. Gently tighten fittings if leaks are apparent, but DO NOT overtighten.



CAUTION: The hot water hose should not be disconnected from the washer. You can turn off the hot water or leave it on, but the hose must be installed to the washing machine to prevent backflow of water out of the washing machine during use.

FEATURES

Indicator Light

The Indicator Light, viewed through the horizontal window on the front of your pureWash Pro X2 has two states of operation.

- **Blue Light** - Indicates normal operation of pureWash Pro X2.
- **Red Light** - Indicates the fan or oxidizer generator is not operating properly. Please contact your dealer for service or go to pureWash.com/Support.

Desiccant Dryer

The Desiccant Dryer is designed to remove moisture from the air flowing into your pureWash Pro X2, which helps to ensure optimum performance and life from your pureWash Pro X2.

The Desiccant Dryer (located on the left side of pureWash Pro X2 and viewed through the vertical window) turns pink as it is used. When all of the blue beads in the dryer window have turned pink it is time to replace the dryer cartridge. Contact your dealer for a replacement cartridge or go to pureWash.com/Cartridge. Replacement instructions can be found on *Page 14*.

Household Cleaning

The same water that kills bacteria and germs in your laundry can now be used for other household cleaning purposes. The "Household Water Out" port (*Diagrams, Page 3*) on the bottom of your pureWash Pro X2 is for use with general household needs, such as cleaning, watering plants, washing pets, or even rinsing fruits and vegetables. By using the "Household Water Out" port, which can be fitted with the supplied Ball Valve, you can have oxidized water available for most household cleaning purposes. Due to the nature of the oxidizers you cannot obtain water from pureWash Pro X2 and store it for later use. Water used for this type of cleaning needs to be used within 15-20 minutes.



WARNING: This water is not meant to be ingested.

FREQUENTLY ASKED QUESTIONS

Do tough stains have to be pretreated?

Stains require pretreatment when using pureWash Pro X2 just as you always would. For best results, use pureWash Pre, our powerful, all-natural, enzyme based pre-treatment. For heavily soiled laundry beyond spotting, use ¼ or less of the normal amount of detergent.

Does pureWash Pro X2 work with all types of water?

pureWash Pro X2 will work with all typical household water qualities, but the better the quality of the water the better results you will have. If you have hard water, we recommend a water softener and the removal of chlorine will improve the unit's performance.

Is a pre-filter required?

pureWash Pro X2 performance can be improved with a prefilter to remove chlorine and other contaminants. Chlorine specifically reduces ozone concentration. A prefilter designed to work with pureWash Pro X2 is available from your pureWash retailer.

What types of washing machines can work with pureWash Pro X2?

pureWash Pro X2 can be used with any residential washing machine

Will pureWash Pro X2 work with Commercial Washing Machines?

pureWash Pro X2 is designed for typical residential washing machines which require a maximum flow rate of 2.5 GPM. Commercial and industrial washers require much higher flow rates.

Is pureWash Pro X2 only for use with washing machines?

the powerful oxidation water produced by pureWash Pro X2 can be used for many uses beyond washing clothes. This includes watering houseplants (they love the oxidation rich water and it kills mold), cleaning floors, washing your pets (will help reduce skin disorders). Use the Household Use Port to access this powerful ozone rich water.

Note: water from pureWash Pro X2 should not be ingested.

What parts will need to be replaced on the pureWash Pro X2?

pureWash Pro X2 is designed to provide many years of maintenance free service. The only consumable is the Desiccant Dryer Cartridge. If, after some time, you notice a decline in the effectiveness of pureWash Pro X2, please contact your dealer for service or go to pureWash.com/Support. Any pre-filters that might be used in conjunction with your pureWash will need to be replaced according to the time/use schedule their manufacturer recommends.

TROUBLESHOOTING

1. Unit fails to turn on.

Hose or power connection problem.

Check the power cables for secure connection and make sure the hoses to your pureWash Pro X2 are connected to the correct fittings, and that your cold water faucet is turned on.

2. Red light.

Oxidizing Module has failed.

Contact your dealer or visit www.pureWash.com/Support for a repair.

3. Simultaneous Flashing Blue Light and Sounding Alarm.

Power Supply Has Failed.

Contact your dealer or or visit www.pureWash.com/Support for a replacement.

4. No ozone smell in laundry.

Check the viewing glass for bubbles as it may be producing ozone but not injecting it into the water correctly. If no bubbles are present, your water supply hose may be restricted or you may need to change the setting for the pureWash Pro X2. Lift the your wash Pro X2 off the mounting bracket. If set to the TOP LOAD setting, change to the FRONT LOAD setting and retest.

Contact your dealer or or visit www.pureWash.com/Support for a repair.

5. No bubbles are being created.

Incorrect pressure before/after Venturi, Venturi is plugged, or Flow Rate Dial is on the wrong setting.

First check for obstruction between the pureWash Pro X2 and the washer (inlet screen to washer). Ensure house pressure at the supply valve has minimum of 40psi. If this fails to correct the problem then backflush your unit by switching the hoses on the pureWash Pro X2 hose fittings and place the "Cold Water In" hose into the basin or bucket to drain to clear the *Venturi*. Then return hoses to proper connections. Second, set the Flow Rate Dial to the FRONT LOAD SETTING.

TROUBLESHOOTING CONTINUED

6. **Clothes are being bleached.**

pH of the water in your area is too high.

If you have a top load washer and are experiencing a bleaching or spotting effect on your clothing, a top load washer diffuser is available by contacting pureWash.com/support or calling 1.800.621.7201.

7. **Suds in the basin after first uses.**

Detergent or residue is being cleaned out.

Run multiple washes without clothing until the detergent residue is gone. For older washing machines, large amounts of detergent, especially if powder detergent was previously used, may be trapped inside your washing machine. pureWash will break up this caked on detergent. If you see specks of white material in your clothing after the spin cycle, it is probably old detergent. Run loads without clothing until bubbles are gone indicating residual detergent has been removed.

8. **Discoloration occurs in the viewing tube.**

High Tannin levels in your water source.

The use of a pre-filter is required. Contact local water specialist to find proper filter to remove Tannins.

9. **Clothes have a rusty colored stain to them.**

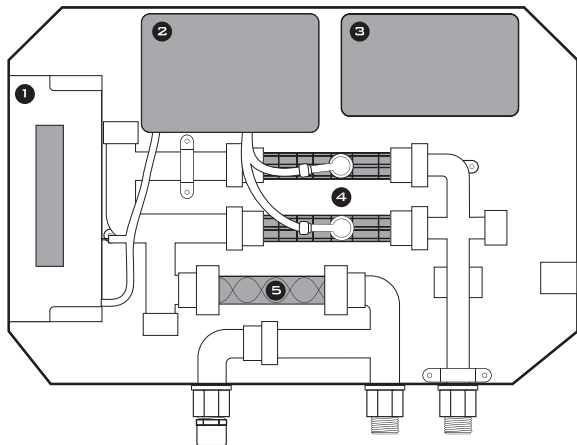
High Iron levels in your water source.

Do not dry or bleach the clothes as it will worsen the effects. Re-wash them in a clean water source before drying. The use of our pre-filter ([page 16](#)) or an Iron specific pre-filter is required.

MAINTENANCE

Internal Diagram

In case there is an issue with your pureWash Pro X2 in which you contact customer service, this diagram will be a resource in locating the part(s) of the unit as the customer service representative guides you through troubleshooting and servicing your unit.



- | | |
|---------------------|-----------------|
| 1. Desiccant Dryer | 4. Venturis |
| 2. Oxidizing Module | 5. Static Mixer |
| 3. Control Module | |

Replacement Parts

The only part that will need standard replacement is the Desiccant Dryer Cartridge. Below is the part number you will need when ordering a replacement from your dealer or pureWash.com/Cartridge.

Desiccant Dryer Cartridge Part #: pureWash Dryer

DESICCANT DRYER CARTRIDGE REPLACEMENT INSTRUCTIONS

Your pureWash Pro X2 has a desiccant dryer incorporated in it to increase the unit's efficacy and extend its life. This dryer is filled with a couple of drying agents that remove moisture from the air. One of the agents, made up of blue silica gel beads, is visible through the dryer window. As this agent becomes saturated with moisture these beads will turn pink. Once all of the beads are pink the Desiccant Dryer will need to be replaced to keep your pureWash Pro X2 operating at maximum efficiency.

To replace the Desiccant Dryer, follow the instructions below:

1. Remove the door/tray on the left side of the unit by squeezing the two slides together and pulling the dryer assembly out.



2. Use a Small Flathead Screwdriver, or other thin and stiff bladed tool, to depress the Locking Tab on the inside of the Desiccant Dryer Door under the Cartridge.



3. Continue holding the Locking Tab down and slide the Desiccant Dryer Cartridge upwards to remove it from the Desiccant Dryer Door.



4. Install a new cartridge filled with blue beads on the Desiccant Dryer Door.
5. Ensure that the small gasket is in place on the outlet of the cartridge and reinstall the Desiccant Dryer Door into the pureWash Pro X2.
6. To purchase additional cartridges call Customer Service or visit www.pureWash.com/Parts

The frequency for changing the Desiccant Dryer Cartridge will vary depending upon several factors, including amount of use of the machine and level of humidity.

LIMITED WARRANTY INFORMATION

Your pureWash Pro X2 (Product) is warranted to be free from all defects in material and workmanship in normal household use for a period of **2 Years** from date of purchase. The warranty is granted only to the original purchaser. The warranty is subject to the following provisions:

Any damages or malfunctions caused by negligence, abuse, or use not in accordance with the Product Owner's Manual are not covered by this warranty. Likewise, any defects or damages caused by unauthorized service or the use of other than Genuine pureWash Parts are not covered.

Your pureWash warranty covers all parts and labor in the first year from date of purchase. Only parts are covered for the second year from date of purchase. All shipping charges are the responsibility of the purchaser. GreenTech Environmental will, at its option, repair or replace a defective Product or part(s) for the Product that is/are covered by this warranty. As a matter of warranty policy, GreenTech Environmental will not refund the customer's purchase price.

OBTAINING WARRANTY SERVICE

To obtain warranty service you must return the defective product along with proof of purchase to the pureWash Authorized Service Center. All shipping costs submitted under this Warranty shall be borne by purchaser. Unless this Warranty is expressly renewed or extended by GreenTech Environmental, any repaired or replaced part of unit shall be warranted to the original purchaser only for the length of the unexpired portion of the original warranty. For the location of the nearest pureWash Authorized Service Center or for other service information, please visit us online or contact Customer Service at:

www.pureWash.com/Support

Before any product is sent for service, the customer should contact the pureWash Service Center to obtain a Return Authorization (RA) Number. This RA Number should be clearly written on the box before shipping. All components/parts including the remote (if applicable), manuals, and original packaging should be included in the return if available.

FURTHER LIMITATIONS AND EXCLUSIONS ARE AS FOLLOWS

Any warranty that may be implied in connection with your purchase or use of the Product, including any warranty of merchantability or any warranty for Fitness For A Particular Purpose is limited to the duration of this warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

Your relief for the breach of this warranty is limited to the relief expressly provided above. In no event shall GreenTech Environmental be liable for any consequential or incidental damages you may incur in connection with your purchase or use of the Product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

REGISTRATION

Please register your Product within 10 days of purchase by visiting www.pureWash.com/Warranty.

Get the Most Out of Your pureWash!

Pre-Filter

2-Stage KDF 55 GAC

In order for your pureWash Pro X2 to perform most effectively, water quality issues must be addressed. Installing a pre-filter is recommended to treat mild water quality issues, as unfiltered impurities in the water supply can potentially interact with the oxidizers produced by pureWash Pro X2 thereby hindering your pureWash Pro X2's performance.

Our pre-filter is a 2-stage KDF 55 and Granular Activated Carbon (GAC) filter. This filter covers most water quality issues such as high chlorine content and high iron content, but there may be some circumstances in which additional water treatment is needed.

Contact your water supplier, local government office or a local water quality specialist to learn more about your water quality.

For more information, visit water.epa.gov



pureWash Pre is an all-natural enzyme stain remover that effectively removes tough stains without using harsh chemicals. This pre-treatment formula immediately eliminates stains before the washing machine cycle begins. pureWash Pre is a healthy, environmentally responsible solution that is safe and effective on all colorfast washables and works with any water temperature.

Breaks Down:

- Coffee
- Blood
- Urine
- Pet Stains
- Iodine
- Wine
- Chocolate
- Grease
- Makeup
- And More!



OM Revision: GTE-pureWash_Pro_X2-OwnersManual-190411

Order Online at:

www.GreenTechEnv.com