



# pureWash Pro

BY  GREENTECH



## Owner's Manual

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## RECORDS

**Please record the name and phone number of your Dealer.**

Name: \_\_\_\_\_

Phone #: \_\_\_\_\_

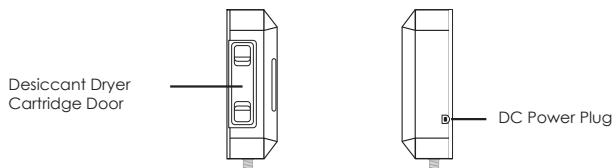
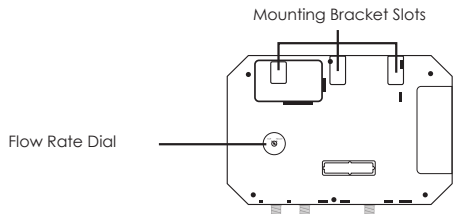
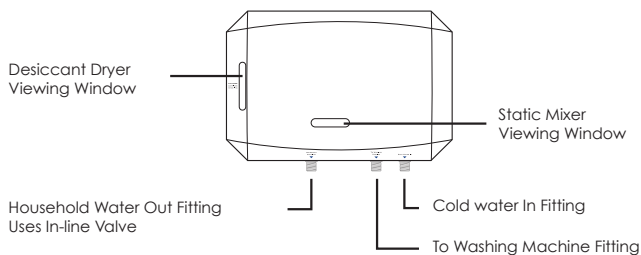
**Please record the serial number of your pureWash.**

Serial #: \_\_\_\_\_

# PRODUCT CONTENTS/UNIT DIAGRAM

**This package contains:**

- |                     |                    |
|---------------------|--------------------|
| 1 pureWash Pro      | 3 Mounting Screws  |
| 1 Quick Start Guide | 3 Dry Wall Anchors |
| 1 Power Adapter     | 1 Hose/Fittings    |
| 1 Mounting Bracket  | 1 In-line Valve    |



# ABOUT PUREWASH

pureWash 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 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 is easy and convenient. Once your pureWash is properly installed, you simply operate your washing machine following the manufacturer's instructions for cold water only washing. pureWash 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 will automatically turn off after one minute.

# SPECIFICATIONS

Model: ..... pureWash-Pro-US

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: ..... 12.19" H x 16.50" W x 3.75" D

Weight: ..... 5.5 lbs

# USING YOUR PUREWASH

## Daily Use

Using pureWash 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 has introduced into the wash water.

## Non-Use or Vacation Care

Operate your washer and pureWash only when you are at home. If you are on vacation or won't be using your washer for an extended period of time, you should unplug the power supplies to both the washer and pureWash and turn off the water supply. This helps avoid accidental flooding due to a water pressure surge while you are away.

## Stains

We suggest that you pre-treat stains just as you would without a pureWash. However, for normally soiled laundry, you should only need a very small amount of detergent or none at all.

## How to tell pureWash is Working

You can easily tell if pureWash 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.

# 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 is designed for residential use only and is not intended for use in a commercial or industrial setting.
- Water treated by pureWash is intended for laundry or cleaning purposes ONLY. It is not approved for drinking or ingesting.
- Do not use an extension cord or power adapter other than the one provided with your pureWash.

- pureWash 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.
- To avoid the possibility of water damage (i.e. a hose leak) it is recommended that you always turn off the water supply valves/faucets when the washing machine is not in use.
- Risk of water leaks from ruptured hoses could occur with major water pressure surges.
- To maintain pressure seal, maximum inlet water pressure is 75 psi.
- Never install the pureWash in areas where water may freeze. pureWash will always maintain some water in the unit and freezing can cause damage to internal components.



- pureWash 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 can be cleaned with a damp soft cloth. Do not clean your pureWash with harsh chemicals, abrasives or cleaners.

# INSTALLATION REQUIREMENTS

## Electrical Requirements:

- pureWash 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 to operate correctly and safely.
- Water quality may affect the performance of your pureWash. 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 outlet hose to the washing machine.

## PRIOR TO INSTALLATION:

1. Remove your pureWash 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

1. The pureWash 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 be mounted to a wall stud, if possible. One set of mounting screws are included. If it is not possible to mount the pureWash to a wall stud, you should use "molly" type expandable screw anchors, available at your local hardware store. For any other type of mounting scenarios (concrete block, etc.) please consult your local hardware store for assistance.
2. 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 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" fitting on your pureWash. 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" fitting on the pureWash 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 while tightening.
6. Plug the power adapter into the DC adapter plug-in on the right side of your pureWash 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 has two states of operation.

- **Blue Light** - Indicates normal operation of pureWash.
- **Flashing Red Light** - Indicates the fan or oxidizer generator is not operating properly. Please contact your dealer for service or go to [pureWash.com/Support](http://pureWash.com/Support).

## Desiccant Dryer

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

The Desiccant Dryer (located on the left side of pureWash 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](http://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" fitting (*Diagrams, Page 3*) on the bottom of your pureWash 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" fitting along with the In-Line Valve (included with your pureWash) you can have oxidized water available for most household cleaning purposes. Due to the nature of the oxidizers you cannot obtain water from pureWash 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?**

We recommend that you continue to treat stains in the same manner as you did before. However, for normally soiled laundry, using pureWash will allow you to use less detergent or no detergent at all.

### **Does pureWash work with all types of water?**

pureWash 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 does not require a pre-filter, though we do recommend the use of one in all applications. If your water does have high iron content we suggest the use of a pre-filter specifically designed to remove iron.

### **What types of washing machines can work with pureWash?**

pureWash can be used with any residential washing machine

### **Will pureWash work with Commercial Washing Machines?**

pureWash is designed for residential use only, not for commercial or industrial applications.

### **Is pureWash only for use with washing machines?**

pureWash was designed to treat laundry water, specifically. There are other appropriate applications such as cleaning floors or bathing pets which the Household Use Fitting can be used for. Water from the pureWash is not intended for ingesting.

### **What parts will need to be replaced on the pureWash?**

pureWash 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, please contact your dealer for service or go to [pureWash.com/Support](http://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 are connected to the correct fittings, and that your cold water faucet is turned on.

## 2. Flashing red light.

*Oxidizing Module has failed.*

Contact your dealer or or visit [www.pureWash.com/Support](http://www.pureWash.com/Support) for a replacement.

## 3. Simultaneous Flashing Blue Light and Sounding Alarm.

*Power Supply Has Failed.*

Contact your dealer or or visit [www.pureWash.com/Support](http://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, the Oxidizing Module may have failed.*

Contact your dealer or or visit [www.pureWash.com/Support](http://www.pureWash.com/Support) for a replacement.

## 5. No bubbles are being created.

*Incorrect pressure before/after Venturi or Venturi is plugged.*

First check for obstruction between the pureWash 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 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.

## TROUBLESHOOTING CONTINUED

### 6. **Clothes are being bleached.**

*Incorrect Flow Rate Setting.*

Ensure you have the correct setting chosen based upon your type of washer. If your problem continues go to [pureWash.com/Support](http://pureWash.com/Support) for a replacement.

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

*Detergent or residue is being cleaned out.*

Run multiple washes without clothing until the problem is resolved. If problem persists contact your dealer or go to [pureWash.com/Support](http://pureWash.com/Support).

### 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.**

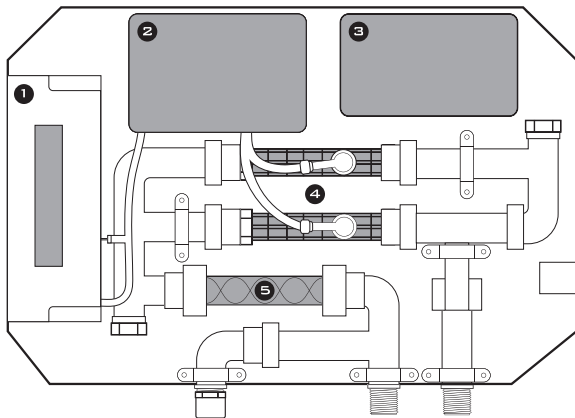
*High Iron levels in your water source.*

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 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](http://pureWash.com/Cartridge).

Desiccant Dryer Cartridge Part #: pureWash Dryer

# DESICCANT DRYER CARTRIDGE REPLACEMENT INSTRUCTIONS

Your pureWash 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 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.
6. To purchase additional cartridges call Customer Service or visit [www.pureWash.com/Parts](http://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 (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. pureWash 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, pureWash 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 pureWash, 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](http://www.pureWash.com/Support)**

Before any product is sent for service, the customer should contact the pureWash Service Center to obtain a Return Merchandise Authorization (RMA) Number. This RMA 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 pureWash 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](http://www.pureWash.com/Warranty).

# Get the Most Out of Your pureWash!

In order for your pureWash 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 thereby hindering your pureWash'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](http://water.epa.gov)



## To order your Pre-Filter

Visit: [www.pureWash.com/Prefilter](http://www.pureWash.com/Prefilter)