pureWash
Eco-Friendly Laundry System

Owner’s Manual

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**Introduction:**

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 the 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. 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.

**Technical Specifications:**

Model: ........................................ pureWash (Standard Flow)/pureWash (Low Flow)
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: .............................................. 16.4” x 7.9” x 3.7”
Weight: .................................................. 5 lbs

**Records:**

Purchase Date: ___________________________________________________________
Model Number: __________________________________________________________
Serial Number: __________________________________________________________
Distributor Name: ________________________________________________________
Distributor Phone: ________________________________________________________
Warning & Important Info:

⚠️ Disconnect power before servicing.

⚠️ Do not mount your pureWash vertically or at any angle. See installation instructions. (unit is designed to operate horizontally ONLY).

⚠️ 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 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 unit.

⚠️ 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 for use in homes with high iron content in their water. 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.

⚠️ Before using, please read this Owner’s Manual carefully.
Installation Requirements:

Electrical Requirements:

• pureWash requires 120 Volt 60 Hz power on a 15 amp fuse or circuit breaker.
• Never use an extension cord or a power adapter other than the one provided with pureWash.

Water Requirements:

• Water pressure of 40 to 75 psi is required for pureWash to operate correctly and safely.
• 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.
• 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, a Y-valve will connect both the cold and hot water hoses from the pureWash outlet hose to the washing machine.

Location Requirements:

• 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.

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.
Installation:

1. The pureWash should be fastened to the wall, just above and behind your washing machine. It is recommended that the mounting hole on the right side of the pureWash (above the water inlet/outlet) be mounted to a wall stud, if possible. Two sets of mounting screws are included. If it is not possible to mount the pureWash to wall studs, 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. Remove the cover from your pureWash unit by pressing the tabs on the sides in, lifting up one inch and then straight out, moving the cover directly away from the unit. Use the Quickstart Guide to determine spacing and placement of the mounting holes on the wall. Using a carpenter’s level to ensure the unit is mounted level and mark the location of the two mounting holes on the wall with a pencil. Drill appropriately sized holes for the screws or anchors in each marked location. Install the two screws, leaving them protruding from the wall by about ¼ inch.

3. Place your pureWash against the wall so that the protruding screws slip through the mounting “keyholes” of the unit. Gently slide the unit down into the lock position of the keyholes. You can now tighten the screws against the housing of the unit. DO NOT overtighten as it may cause damage to the back of the unit.

4. Connect the cold water hose to the water outlet on the 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 water inlet on the pureWash to the 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. Replace the cover on your pureWash by placing it one inch over the tabs and sliding it down until it locks.
**Installation Cont:**

7. Plug the power adapter into the DC adapter plug-in on the left side of your pureWash and then plug the adapter into a wall outlet.

8. 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.

**Indicators and Alarms:**

**Indicator Light**

- The indicator light, viewed through the window on the front of your pureWash has two states of operation.
- A blue light indicates the normal operation of the pureWash.
- A flashing red light indicates the fan or oxidizer generator is not operating properly. Please contact your distributor for service.

**Alarm**

- Your pureWash unit is equipped with an internal leak detector. If a leak happens to develop inside the unit, water will accumulate on the bottom panel. The sensor will set off an audible alarm and continue to sound until the leak is stopped and/or the unit is unplugged. If this alarm should occur, you should unplug the unit, turn off the cold water valve and call your distributor for assistance.
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 enhanced and Photo Catalytic Oxidizers that the pureWash has introduced into the wash water.

Top-Load Washing Machines
When using pureWash with a top-loading washing machine, ensure that a bold or dark-colored clothing item is not in the direct line of the pouring water. It is recommended to place a white clothing item directly under the pour stream to absorb the initially high concentration of oxidizers.

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 unit for your washing machine. High-efficiency or front load washers should use Efficiency pureWash, but standard-efficiency top-loading washers should use Standard pureWash. If the Standard pureWash is used on a high-efficiency washer, there will be no bubbles and you will not experience the benefits of using pureWash.
Frequently Asked Questions:

1. **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.

2. **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.

3. **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.

4. **What types of washing machines can work with pureWash?**
   pureWash can be used with almost any residential washing machine. There are however two separate models of the pureWash. Standard pureWash is designed for standard-efficiency top-load washers that have no restriction in their cold water intake. Efficiency pureWash is designed for front-load washing machines or those that have a restriction in their cold water intake. Efficiency models can be used with standard top-loading washers, however, the restricted water flow requires more time to fill the basin and, in some cases, may result in an unwanted bleaching effect to dyed fabrics.

5. **Will pureWash work with Commercial Washing Machines?**
   pureWash is designed and recommended for residential use only, not for commercial or industrial applications.

6. **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 but the water from the pureWash is not intended for drinking or ingesting.

7. **What parts will need to be replaced on the pureWash?**
   pureWash is designed to provide many years of maintenance free service and has no consumable parts that will need replacing. If, after some time, you notice a decline in the effectiveness of pureWash, please contact your distributor for service. 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.
**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.

![Diagram](image.png)

1. Mounting Holes
2. PCO Cell
3. Control Board
4. Ozone Generator
5. Static Mixer
6. Venturi
7. Flow Switch

**Replacement Parts**

The following table shows available replacement parts and their part numbers. Use this table as a guide when ordering replacement parts for your pureWash unit.

<table>
<thead>
<tr>
<th>Part Name</th>
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<tr>
<td>4 Ozone Generator</td>
<td>PUREWASH OxMod</td>
</tr>
<tr>
<td>3 Control Board</td>
<td>PUREWASH CntrMod</td>
</tr>
<tr>
<td>2 PCO Cell</td>
<td>PUREWASH PCO</td>
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PUREWASH LIMITED WARRANTY

Your pureWash Laundry System is warranted to be free from all defects in material and workmanship in normal household use for a period of (1) year from date of purchase. An additional (2) years on parts only is included. The warranty is granted only to the original purchaser and members of his or her immediate household. The warranty is subject to the following provisions.

Any damages or malfunctions caused by negligence, abuse, or use not in accordance with the 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 GreenTech Environmental parts are not covered.

GreenTech Environmental, LLC. will, at its option, repair or replace a defective pureWash Laundry System or part(s) for the pureWash Laundry System that is covered by this warranty. As a matter of warranty policy, GreenTech Environmental, LLC. will not refund the customer’s purchase price.

OBTAINING WARRANTY SERVICE

To obtain warranty service you must return the defective pureWash Laundry System or pureWash Laundry System parts along with proof of purchase to the GreenTech Environmental Authorized Service Center. All transportation charges on parts, or units, submitted under this Warranty shall be borne by purchaser. Unless this Warranty is expressly renewed or extended by GreenTech Environmental, LLC., 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 GreenTech Environmental Authorized Service Center or for service information in the United States or Canada, please visit us online at:

www.GreenTechEnv.com/service

FURTHER LIMITATIONS AND EXCLUSIONS ARE AS FOLLOWS

Any warranty that may be implied in connection with your purchase or use of the pureWash Laundry System, 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, LLC. be liable for any consequential or incidental damages you may incur in connection with your purchase or use of the pureWash Laundry System. 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 new pureWash Laundry System within 10 days of purchase by visiting www.GreenTechEnv.com/warranty or fill out and return the enclosed warranty registration card. Registering your new GreenTech Environmental product entitles you to the most up-to-date GreenTech Environmental warranty and promotion information.
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 and resources on water quality, visit water.epa.gov

To purchase a pre-filter, contact your pureWash retailer, visit www.pureWashPreFilter.com or call 423-207-0235.