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› WaterBoss Whole House Salt Free Descaler System User Manual

Water Boss WB-WH-DSCLR

WaterBoss Whole House Salt Free Descaler System

Model: WB-WH-DSCLR | Brand: Water Boss

1. INTRODUCTION

The WaterBoss Whole House Salt Free Descaler System (Model WB-WH-DSCLR) is designed to prevent scale buildup in your home's pipes and plumbing. This system utilizes a salt-free, chemical-free method to treat water, offering an alternative to traditional water softeners. It operates without the need for electricity, salt refills, or backwashing, making it a low-maintenance solution for water treatment.

This descaler system does not soften water or remove minerals that cause hard water. Instead, it transforms dissolved hard minerals into inactive microscopic crystal particles that are harmlessly passed through your water and down your drain, preventing them from adhering to surfaces and forming scale.



Figure 1.1: The WaterBoss Whole House Descaler System unit.

This image displays the main unit of the WaterBoss Whole House Descaler System, a tall, cylindrical tank with the WaterBoss logo and 'WHOLE HOUSE WATER DESCALER' label. It features an inlet and outlet at the top.

HOW IT WORKS

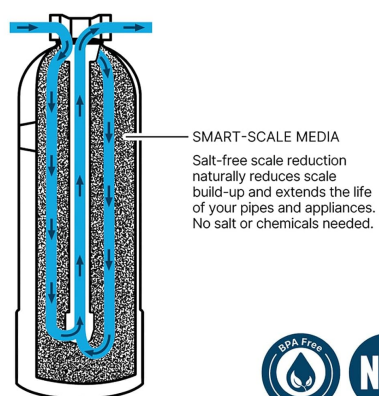


Figure 1.2: Diagram illustrating the descaling process.

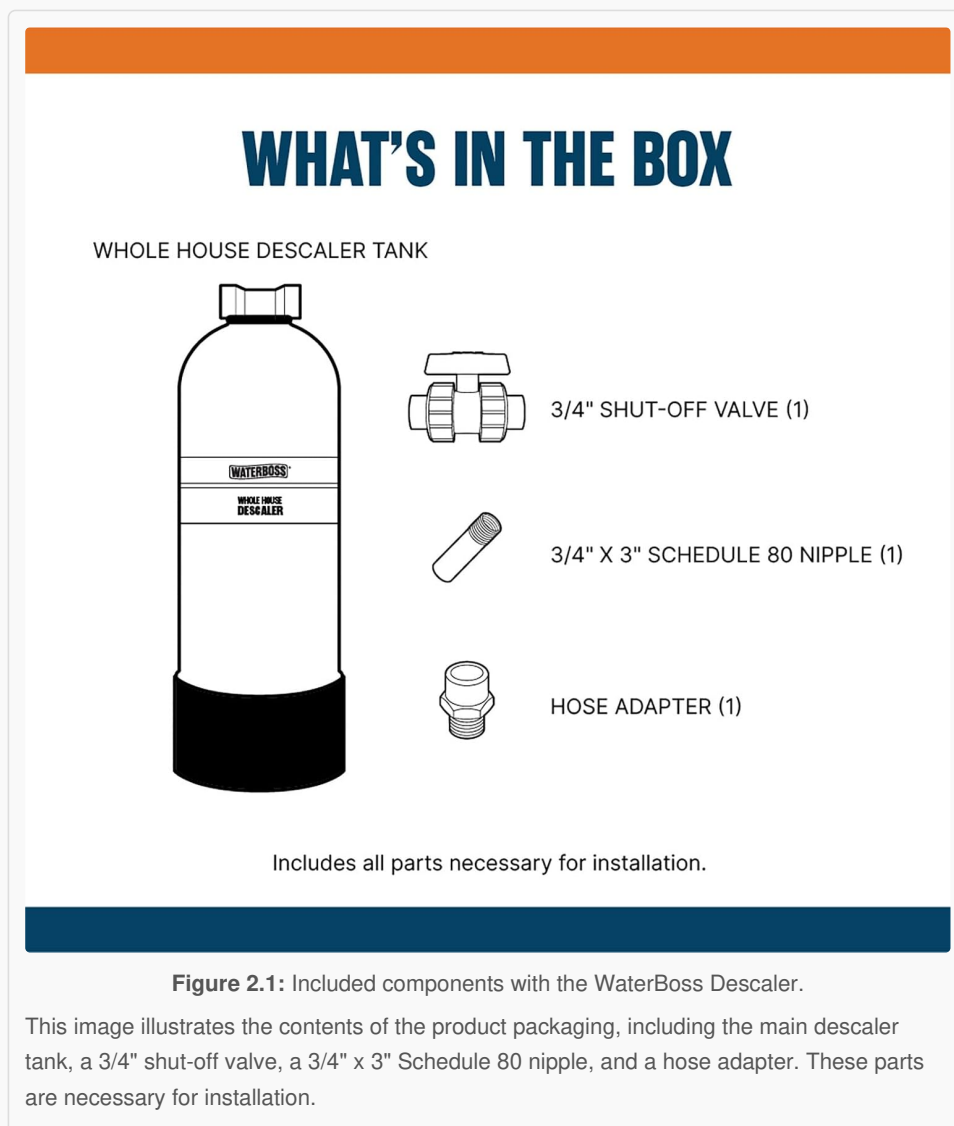
This diagram shows the internal mechanism of the descaler. Water flows in, passes through 'SMART-SCALE MEDIA' where salt-free scale reduction occurs, and then flows out. This process naturally reduces scale buildup without salt or chemicals.

Product Capabilities and Limitations:

- **Saltless Scale Control:** Prevents scale buildup in pipes and plumbing.
- **No Maintenance:** Requires no cleaning, backwashing, salt refills, or electricity.
- **Water Softening:** This system does **not** soften water or eliminate minerals that cause hard water.
- **Optimal Conditions:** Designed for water with hardness levels under 15 grains per gallon, alkalinity below 250 mg/L, pH under 8.3, and iron levels less than 0.3 ppm.
- **Water Quality:** Does **not** reduce Total Dissolved Solids (TDS), sulfur, or iron.
- **Flow Rate:** Provides a maximum flow rate of up to 7 gallons per minute with no noticeable change in water pressure.
- **Lifespan:** Lasts for 6 years or up to 600,000 gallons.

2. WHAT'S IN THE BOX

Upon unpacking your WaterBoss Whole House Descaler System, please verify that all the following components are present:

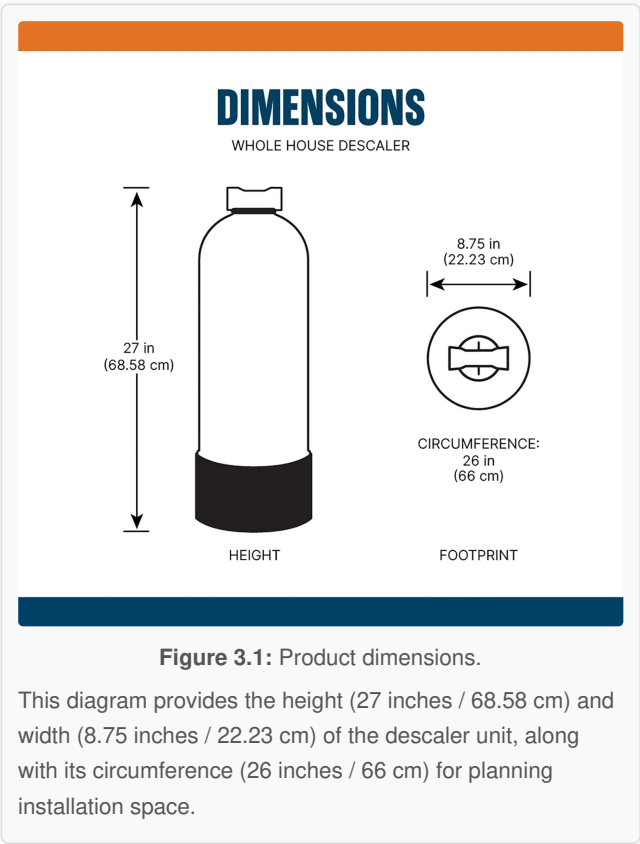


- WaterBoss Whole House Descaler Tank (1)
- 3/4" Shut-Off Valve (1)
- 3/4" x 3" Schedule 80 Nipple (1)
- Hose Adapter (1)

Note: All parts necessary for installation are included.

3. SPECIFICATIONS

Refer to the table below for detailed product specifications of the WaterBoss Whole House Descaler System.



Feature	Detail
Model Name	WB-WH-DSCLR
Product Dimensions (L x W x H)	8.75" x 8.75" x 27" (22.23 cm x 22.23 cm x 68.58 cm)
Item Weight	13.8 Pounds (6.26 kg)
Installation Type	Whole House
Maximum Flow Rate	7 Gallons Per Minute (GPM)
Upper Temperature Rating	90 Degrees Fahrenheit (32.2 Degrees Celsius)
Power Source	Not Required
Special Feature	No salt and no backflushing required
UPC	725296000014
Manufacturer	WaterBoss

4. INSTALLATION (SETUP)

Proper installation is crucial for the optimal performance of your WaterBoss Whole House Descaler System. This system is designed for whole-house installation where the main water line enters your home, before connecting to your water heater. It is recommended to install a pre-filter (not included) before the descaler for enhanced performance.



Figure 4.1: Step-by-step installation overview.

This image provides a visual guide to the installation process, including flushing the tank, turning off the water supply, installing the system in the main water line, and flushing the entire system after installation.

Installation Overview:

1. **Flush the Tank:** Using the provided adapter, connect a garden hose to the inlet port so water flows into the tank and out of the outlet port. Flush thoroughly to remove any manufacturing debris.
2. **Turn Off Water Source and Choose Installation Location:** Turn off your main water supply prior to installation. Select an appropriate installation location where the main water line enters your home, before connecting to your water heater. Ensure the area is accessible for future checks.
3. **Install System:** Integrate the descaler system into your main water line according to standard plumbing practices. Ensure all fittings are properly tightened to prevent leaks.
4. **Flush System:** Once installation is complete, slowly turn on the main water supply. Turn on the faucet closest to the installed system and allow water to run for 5-10 minutes to flush the entire system. Inspect for any leaks during this process.

Pro Tips for Installation:

- Do **NOT** install the unit on its side. It must be installed upright.
- Properly tighten all fittings to ensure a leak-free assembly.
- **Recommended Tools:** NSF approved PVC primer and glue, channel locks, thread seal tape, PVC pipe cutter.
- A pre-filter is not included but is highly recommended to protect the descaler from sediment.

5. OPERATION

The WaterBoss Whole House Descaler operates continuously once installed in your main water line. It requires no manual intervention or power supply for its operation.

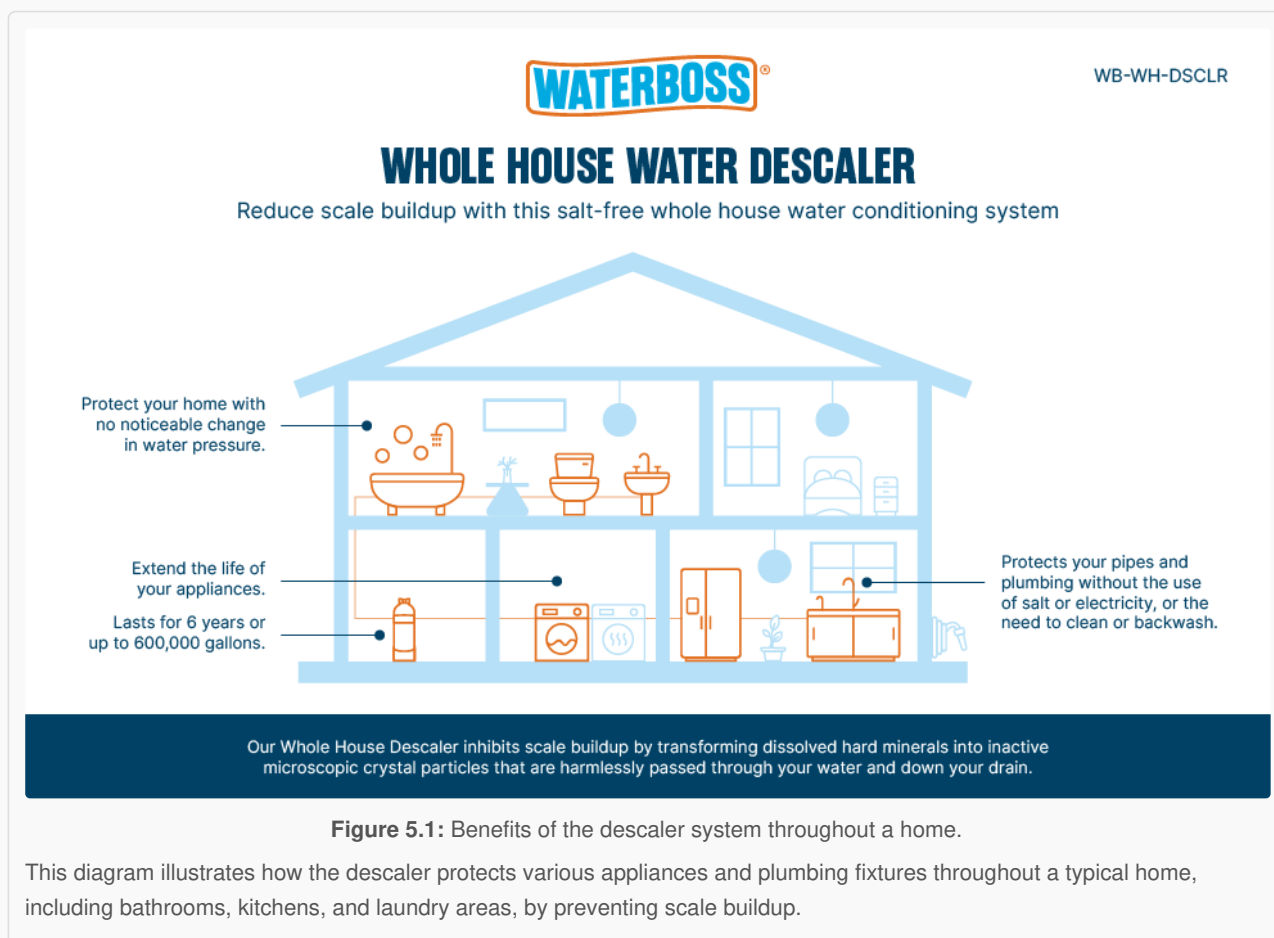


Figure 5.1: Benefits of the descaler system throughout a home.

This diagram illustrates how the descaler protects various appliances and plumbing fixtures throughout a typical home, including bathrooms, kitchens, and laundry areas, by preventing scale buildup.

How the System Works:

As water flows through the descaler, the unique SMART-SCALE MEDIA within the tank interacts with dissolved hard minerals (like calcium and magnesium). This interaction causes these minerals to crystallize into microscopic, inactive particles. These particles are then suspended in the water and harmlessly pass through your plumbing system and out with the wastewater, rather than adhering to surfaces and forming hard scale.

System Performance:

- The system maintains consistent water pressure with a maximum flow rate of 7 GPM.
- It is effective for households of four or more people.
- The descaling media has a lifespan of 6 years or 600,000 gallons, whichever comes first.

6. MAINTENANCE

The WaterBoss Whole House Salt Free Descaler System is designed for minimal maintenance. It does not require:

- Regular cleaning
- Backwashing cycles
- Salt refills
- Electrical power

The system is intended to operate effectively for its stated lifespan of 6 years or 600,000 gallons. After this period, the entire unit should be replaced to ensure continued scale prevention.

7. TROUBLESHOOTING

If you experience issues with your WaterBoss Whole House Descaler System, consider the following general troubleshooting steps:

- **Reduced Water Flow:** Ensure that the main water supply valve is fully open. Check for any blockages in the plumbing leading to or from the descaler. If a pre-filter is installed, check if it needs replacement.
- **Continued Scale Buildup:** Verify that the system was installed correctly in the main water line. Confirm that your water hardness, alkalinity, pH, and iron levels are within the optimal operating conditions specified in the Introduction section. If these parameters exceed the recommended levels, the system's effectiveness may be reduced.
- **Leaks:** Immediately turn off the main water supply. Inspect all connections and fittings for proper tightening. Apply additional thread seal tape if necessary.
- **System Age:** If the system has been in operation for close to 6 years or 600,000 gallons, its descaling media may be exhausted, and the unit will require replacement.

If problems persist after performing these checks, please contact WaterBoss customer support for further assistance.

8. WARRANTY AND SUPPORT

Specific warranty details for the WaterBoss Whole House Salt Free Descaler System are typically provided with the product packaging or can be obtained directly from the manufacturer. Please retain your proof of purchase for any warranty claims.

For technical support, warranty inquiries, or to purchase replacement units, please contact WaterBoss customer service. Contact information can usually be found on the product packaging or the official WaterBoss website.

The WaterBoss Whole House Descaler is proudly designed, engineered, and assembled in the USA.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question