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PRO+AQUA PRO-S-80E

PRO+AQUA PRO-S-80E Whole House Water Softener

80,000 Grain Capacity System Instruction Manual

Model: PRO-S-80E | Brand: PRO+AQUA

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your PRO+AQUA PRO-S-80E Whole House Water Softener. This heavy-duty system is designed to deliver softened water throughout your entire home, effectively treating hard water sources for households with 4-6+ bathrooms. The PRO-S-80E system is rated to treat 80,000 grains of hardness, removing minerals like calcium and magnesium. It is also suitable for well water, capable of removing up to 2 ppm of clear water (ferrous) iron, which helps reduce reddish-brown stains.



Image: Overview of the PRO+AQUA Whole House Water Softener, highlighting its function in reducing contaminants for soft water

throughout the home.

Safety Information

Please read all safety instructions before installing or operating the water softener. Failure to follow these instructions could result in property damage, injury, or death.

- **Professional Installation Recommended:** Installation of water treatment systems may require plumbing knowledge. If you are not comfortable with plumbing, consult a qualified professional.
- **Water Supply Shut-off:** Always turn off the main water supply before beginning any installation or maintenance.
- **Electrical Safety:** Ensure the power outlet for the control valve is properly grounded. Do not operate the system with damaged cords or plugs.
- **Pressure Relief:** Relieve water pressure in the system before disconnecting any plumbing.
- **Chemical Handling:** Use caution when handling salt for the brine tank. Avoid contact with eyes and skin.
- **System Placement:** Install the system in a location protected from freezing temperatures and direct sunlight.

Setup and Installation

The PRO+AQUA PRO-S-80E system is designed for straightforward installation. It includes a digital control valve for automatic regeneration and food-grade hoses for connection to the brine tank and drain.





Image: The complete PRO+AQUA PRO-S-80E Whole House Water Softener system, showing the main resin tank and the separate brine tank.

Pre-Installation Steps:

1. **Unpack Components:** Carefully unpack all components and verify against the packing list.
2. **Choose Location:** Select a suitable location for the softener, typically near the main water inlet, protected from freezing. Ensure adequate space for the main tank (14" W x 14" D x 57" H) and brine tank (18" W x 18" D x 36" H).
3. **Turn Off Water:** Shut off the main water supply to your home.
4. **Drain Pipes:** Open all faucets to drain water from the pipes and relieve pressure.



Image: System dimensions for the PRO+AQUA water softener, indicating the height and width of both the main tank and the brine tank for installation planning.

Plumbing Connections:

- The system is designed for 1-inch inlet and outlet water piping.
- Connect the main water line to the inlet of the control valve.
- Connect the outlet of the control valve to your home's plumbing system.
- Connect the brine line from the control valve to the brine tank.
- Connect the drain line from the control valve to a suitable drain (e.g., floor drain, utility sink).



Image: Diagram illustrating key system features such as the Advance Valve, Quick Connect ports, Pro Tank, Food-Grade Hoses, High Capacity Resin, and Brine Tank, aiding in component identification during setup.

Brine Tank Preparation:

- Add water softener salt to the brine tank. The tank is designed to hold up to 120 lbs of salt.
- Ensure the brine well and float assembly are correctly positioned.

System Start-up:

1. Slowly open the main water supply valve to allow water to fill the softener tank.
2. Check for any leaks at connections.
3. Plug in the control valve to power it on.
4. Follow the control valve's instructions for initial programming and regeneration cycle initiation.

Operating Instructions

The PRO+AQUA PRO-S-80E features a digital control valve that automates the regeneration process, calculating the necessary salt and water for efficiency.



Image: Close-up view of the digital control valve, which manages the system's regeneration cycles and displays operational information.

Digital Control Valve Programming:

- Refer to the specific instructions provided with your control valve for detailed programming steps.
- Set the water hardness level based on your local water report.
- Configure the regeneration time, typically during off-peak water usage hours.
- The valve will automatically initiate regeneration cycles based on water usage and programmed settings.

Salt Level Monitoring:

- Regularly check the salt level in the brine tank.
- Maintain the salt level above the water level, ideally at least halfway full.
- Refill with high-quality water softener salt (pellets or crystals) as needed.

Maintenance

Proper maintenance ensures the longevity and efficient operation of your PRO+AQUA water softener.

- **Salt Refilling:** As mentioned in operating instructions, regularly check and refill the brine tank with salt.
- **Brine Tank Cleaning:** Periodically (e.g., once a year) inspect and clean the brine tank to remove any sediment or 'salt mushing' that may accumulate at the bottom.
- **Resin Bed Maintenance:** The system comes pre-filled with high-capacity resin beads. Under normal conditions, these beads have a long lifespan. Avoid exposing the system to chlorine if possible, as it can degrade resin over time.
- **System Inspection:** Annually inspect all connections, hoses, and the control valve for any signs of wear, leaks, or damage.



Image: Close-up of the high-capacity resin beads, which are crucial for the ion exchange process that removes hard water

minerals.

Troubleshooting

Refer to the following common issues and solutions before contacting support.

Problem	Possible Cause	Solution
Water is not soft	Low salt level in brine tank; Bypass valve open; Incorrect programming; Resin bed exhausted.	Check and refill salt; Ensure bypass valve is closed; Verify control valve settings; Contact support if resin is suspected.
Low water pressure	Bypass valve partially open; Sediment buildup in system; Clogged pre-filter (if installed).	Ensure bypass valve is fully open; Backwash system (if applicable); Clean or replace pre-filter.
Excessive salt usage	Incorrect programming of regeneration cycle or hardness setting.	Review and adjust control valve programming according to your water hardness and usage.
Water still has color/tannins	Standard softener resin is not designed to remove tannins.	This system is primarily for hardness and ferrous iron. For tannin removal, additional specialized filtration may be required.

Specifications

Specification	Detail
Manufacturer	PRO+AQUA
Model Number	PRO-S-80E
Grain Capacity	80,000 Grains
Port Size	1 inch
Product Dimensions (Main Tank)	14 x 14 x 57 inches
Product Dimensions (Brine Tank)	18 x 18 x 36 inches
Item Weight	21.1 pounds (shipping weight may vary)
Color	Black
Material	Other (Durable, Pro-Grade Materials)

Warranty Information

The PRO+AQUA Heavy Duty Whole House Water Softener System comes with a **5-year warranty**. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use and service.

Support

For any questions regarding installation, operation, maintenance, or troubleshooting, PRO+AQUA offers**lifetime free US-based tech support**.

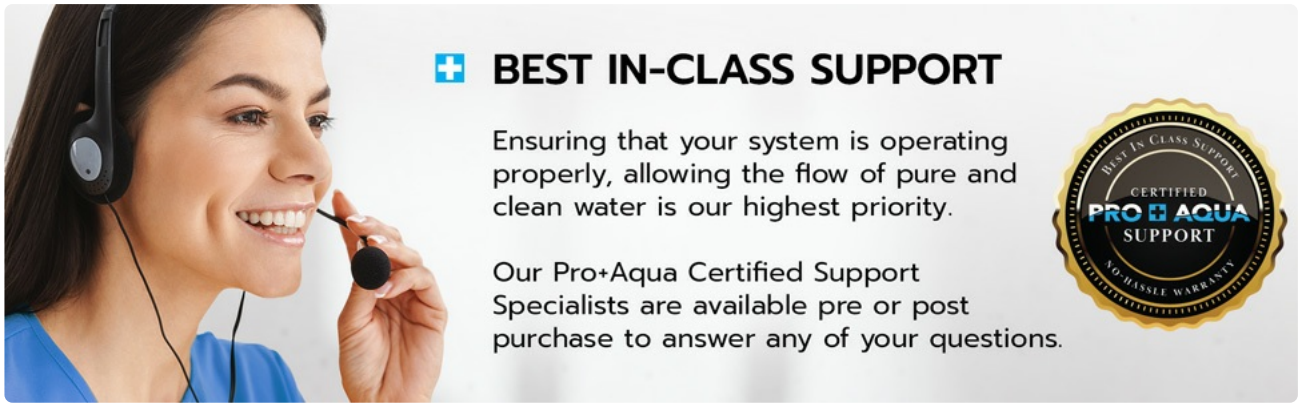


Image: PRO+AQUA customer support representative, emphasizing the availability of best-in-class support for system users.

Our PRO+AQUA Certified Support Specialists are available to assist you pre or post-purchase. Please visit the official PRO+AQUA website or refer to your product packaging for contact details.

Ask a question about this manual

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

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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

Answered questions about this manual

How do you control the hardness of water in the PRO+AQUA PRO-S-80E water softener if the water is too soft after installation?

To control the hardness of your water with the PRO+AQUA PRO-S-80E, you primarily adjust the settings on the digital control valve. If your water feels "too soft" (often described as a slippery or slimy...

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