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DuraWater 5600sxt

DuraWater Fleck 5600sxt Whole House Water Softener System User Manual

Model: 5600sxt | Capacity: 48,000 Grains

1. Introduction

This manual provides essential information for the installation, operation, and maintenance of your DuraWater Fleck 5600sxt Whole House Water Softener System. This system is designed to reduce hardness minerals in your water supply, improving water quality throughout your home.

The DuraWater Fleck 5600sxt system features a reliable Fleck 5600sxt digital metered control valve, a 48,000 grain capacity, and high-capacity resin. All DuraWater systems are manufactured in the USA.



Image 1.1: Overview of the DuraWater Fleck 5600sxt Whole House Water Softener System, showing the mineral tank, control valve, and brine tank.

Video 1.1: An informational video from Aplus Water LLC, the seller, providing an overview of DuraWater whole house water systems and their benefits.

2. Components Included

Your DuraWater Fleck 5600sxt system includes the following main components:

- **10x54 inch Almond Mineral Tank:** Pre-loaded with high-capacity resin for your convenience.
- **18x33 inch Brine Tank:** Equipped with a safety float to prevent overfilling.
- **Fleck 5600 SXT Metered Paddle Wheel Control Valve:** A fully programmable LED digital control valve.
- **Plastic Bypass Valve:** Standard 1-inch male-threaded yoke for easy installation.
- **DuraWater Installation and Programming Manual:** This document provides detailed instructions.

Note: *Drain line and connection hoses are not provided and should be sourced locally to match your installation requirements.*



Image 2.1: The almond-colored mineral tank, pre-filled with resin.



Image 2.2: The brine tank, used for holding salt for regeneration.



Image 2.3: The Fleck 5600sxt digital control valve, which manages the system's operation.



Image 2.4: Close-up view of the high-capacity resin beads used in the system.

3. Installation

Proper installation is crucial for the optimal performance of your water softener. Please refer to the dedicated DuraWater Installation and Programming Manual included with your system for detailed, step-by-step instructions.
Key Installation Considerations:

- **Location:** Install the system in a dry, level area, protected from freezing temperatures and direct sunlight.
- **Plumbing:** Ensure proper plumbing connections, including the bypass valve, to allow for maintenance without interrupting your home's water supply.
- **Drain Line:** Connect the drain line to an appropriate drain, ensuring it is securely fastened and allows for proper flow during regeneration.
- **Electrical:** Plug the control valve into a grounded electrical outlet.
- **Resin:** The mineral tank comes pre-loaded with resin, simplifying the setup process.

It is recommended to have a qualified plumber perform the installation if you are not experienced with plumbing work.

4. Operation and Programming

The Fleck 5600sxt control valve is a metered system, meaning it regenerates based on your actual water usage, optimizing salt and water efficiency. The digital display allows for easy programming and monitoring.
Initial Startup:

1. Ensure all plumbing connections are secure and the bypass valve is in the service position.
2. Slowly open the main water supply to the softener.
3. Plug in the power cord for the Fleck 5600sxt control valve.
4. Follow the programming instructions in the separate manual to set the time of day, water hardness, and regeneration time.
5. Add water and salt to the brine tank.

The system will automatically track water usage and initiate a regeneration cycle when necessary, typically during off-peak hours.



Image 4.1: The Fleck 5600sxt digital control valve display and buttons for programming.

5. Maintenance

Regular maintenance ensures the longevity and efficiency of your water softener system.

- **Salt Level:** Periodically check the salt level in the brine tank. Refill with water softener salt (pellets or crystals) before it runs completely empty. Maintain the salt level above the water level.
- **Brine Tank Cleaning:** It is recommended to clean the brine tank annually to remove any accumulated sediment or insoluble materials.
- **System Inspection:** Occasionally inspect the system for any leaks, unusual noises, or changes in water quality.

6. Troubleshooting

If you encounter issues with your water softener, review the following common troubleshooting steps. For more detailed solutions, consult the comprehensive DuraWater Installation and Programming Manual.

- **No Soft Water:** Check salt level in the brine tank. Ensure the bypass valve is in the service position. Verify the control valve is powered and programmed correctly.
- **Excessive Salt Usage:** Review your hardness settings and regeneration frequency in the control valve programming.
- **Water Pressure Drop:** Check for clogged pre-filters (if installed) or debris in the system.
- **System Not Regenerating:** Confirm power supply to the control valve. Check for error codes on the digital display.



Image 6.1: Illustration of mineral buildup in a pipe, demonstrating the effects of hard water that a softener aims to prevent.

7. Specifications

Feature	Specification
Manufacturer	FLECK
Part Number	5600sxt
Item Weight	120 pounds
Product Dimensions	10 x 10 x 54 inches
Item Model Number	5600sxt
Size	48k 1 Inch Bypass
Color	Almond High Capacity Resin
Item Package Quantity	1
Included Components	Water softener
Batteries Included?	No
Batteries Required?	No
Date First Available	October 2, 2017

8. Warranty and Support

For any questions, technical assistance, or warranty inquiries, please contact Aplus Water LLC, the seller and manufacturer of DuraWater systems.

- **Email:** Apluswater@hotmail.com
- **Phone:** (877) 477-5452

- **Support Hours:** Monday - Friday, 9:00 AM - 4:00 PM CST

Your purchase is also covered by a 30-day easy returns policy.



Image 8.1: A customer support representative ready to assist with inquiries.

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