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DuraWater 56-SXT-48K-M

DURAWATER Fleck 5600 SXT Whole House Water Softener User Manual

Model: 56-SXT-48K-M | **Brand:** DuraWater

1. Introduction

This manual provides essential information for the installation, operation, and maintenance of your DuraWater Fleck 5600 SXT Whole House Water Softener. This system is designed to effectively remove hardness minerals from your water supply, providing soft water throughout your home. The 48,000 grain capacity ensures efficient softening for various household needs.

For optimal performance and longevity of your water softener, please read these instructions thoroughly before beginning installation or operation.



Figure 1: DuraWater Fleck 5600 SXT Whole House Water Softener System.

2. Product Components

Your DuraWater Fleck 5600 SXT Water Softener system includes the following primary components:

- **Mineral Tank:** A 10x54 inch black mineral tank, pre-loaded with 1.5 cubic feet of high-capacity resin.
- **Brine Tank:** A 14x34 inch brine tank, equipped with a safety float.
- **Control Valve:** A Fleck 5600 SXT Metered Paddle Wheel Control Valve, featuring a fully programmable LED display.
- **Bypass Valve:** A plastic bypass valve with a standard 1-inch male-threaded yoke. A 3/4-inch option may be available upon request.

Please note that drain lines and connection hoses are not provided and should be sourced locally to match your installation requirements. The unit typically ships in two separate packages: one for the mineral tank and one for the brine tank with the valve and fittings inside. Tank color may vary due to manufacturing availability.



Figure 2: Fleck 5600 SXT Control Valve. This digital head manages the softening and regeneration cycles.



Figure 3: Mineral Tank and Brine Tank. The mineral tank contains the resin, and the brine tank holds salt for regeneration.

Figure 4: High Capacity Resin. The resin beads are responsible for the ion exchange process that softens water.



Figure 5: Bypass Valve. This valve allows you to bypass the softener for maintenance or if softened water is not desired.

3. Specifications

Feature	Detail
Brand	DuraWater
Model Name	56-SXT-48K-M
Capacity	48,000 Grains (1.5 cubic ft resin)
Control Valve	Fleck 5600 SXT Digital Metered
Special Feature	Programmable
Product Dimensions	15"L x 28"W x 62"H
Installation Type	Freestanding
Power Source	Electrical (for control valve)
Supported Water TDS Level Maximum	350 PPM
Item Weight	53 pounds
Color	Black
UPC	684191963308

4. Setup (Installation)

The DuraWater Fleck 5600 SXT water softener is designed for straightforward installation. However, due to the nature of plumbing work, professional installation is highly recommended to ensure proper setup and compliance with local codes.

Pre-Installation Notes:

- The mineral tank comes pre-loaded with resin, simplifying a key step in the setup process.
- Ensure you have adequate space for both the mineral tank (15"L x 28"W x 62"H) and the brine tank.
- Acquire necessary drain lines and connection hoses as these are not included with the system.
- Familiarize yourself with your home's main water shut-off valve.

General Installation Steps:

1. **Choose Location:** Select a suitable location, typically near the main water line entry point, that is protected from freezing temperatures and has access to a drain and electrical outlet.
2. **Plumbing:** Install the bypass valve and connect the system to your main water line. Ensure all connections are secure and leak-free.
3. **Drain Line:** Connect the drain line from the control valve to an appropriate drain.
4. **Brine Line:** Connect the brine line from the control valve to the brine tank.
5. **Electrical Connection:** Plug in the control valve to a standard electrical outlet.
6. **Initial Fill:** Slowly open the bypass valve to allow water to fill the mineral tank. Check for leaks.

For detailed, step-by-step installation and programming instructions, please refer to the dedicated DuraWater Installation and Programming Manual included with your product. This manual provides specific diagrams and programming sequences for the Fleck 5600 SXT control valve.

Video 1: Overview of DuraWater Whole House Water Systems. This video provides a general introduction to the product line and highlights key features.

5. Operating Instructions

The Fleck 5600 SXT control valve is a digital metered system designed for efficient and automatic operation. It measures water usage and initiates regeneration cycles only when necessary, optimizing salt and water consumption.

Initial Programming:

Upon initial setup or after a power outage, the control valve may require programming. This typically involves setting the current time, water hardness level, and regeneration time. The detailed programming steps are crucial for the system's efficiency and are outlined in the separate DuraWater Installation and Programming Manual.

Regeneration Cycle:

The 5600 SXT valve automatically initiates a regeneration cycle based on your water usage. During regeneration, the system flushes the resin with a brine solution to remove hardness minerals, then rinses and prepares for the next softening cycle. It is recommended to schedule regeneration during periods of low water usage (e.g., overnight) to avoid interruptions to your soft water supply.

6. Maintenance

Regular maintenance ensures the continued efficient operation and longevity of your DuraWater water softener.

Salt Level Monitoring:

The most critical maintenance task is to regularly check and replenish the salt level in the brine tank. Use high-quality water softener salt (pellets or crystals) to prevent bridging and ensure proper regeneration. The frequency of salt replenishment depends on your water usage and hardness levels.

Brine Tank Cleaning:

Periodically inspect the brine tank for any salt bridges (hard crusts of salt that prevent proper dissolution) or sludge buildup. Clean the brine tank as needed, typically once a year, by removing any remaining salt, draining the water, and scrubbing the interior.

System Inspection:

Occasionally inspect the system for any visible leaks, especially around connections and the control valve. Address any leaks promptly to prevent water damage and ensure system integrity.

7. Troubleshooting

If you encounter issues with your water softener, consider the following common troubleshooting steps before contacting support:

No Soft Water:

- **Check Salt Level:** Ensure there is sufficient salt in the brine tank.
- **Salt Bridge:** Break up any salt bridges that may have formed in the brine tank.
- **Bypass Valve Position:** Confirm the bypass valve is in the 'service' position, allowing water to flow through the softener.
- **Power Supply:** Verify the control valve is plugged in and has power. Check for any error codes on the display.
- **Regeneration Cycle:** Manually initiate a regeneration cycle to see if it resolves the issue.

Low Water Pressure:

- **Bypass Valve:** If pressure drops only when water flows through the softener, check the bypass valve.
- **System Clogging:** In rare cases, sediment or resin fines could cause clogging. This may require professional inspection.

Excessive Salt Usage:

- **Hardness Setting:** Verify the water hardness setting on the control valve is accurate for your water supply.
- **Regeneration Frequency:** Ensure the regeneration frequency is appropriate for your household's water consumption.

For more complex issues or if troubleshooting steps do not resolve the problem, please contact DuraWater customer support.

8. Warranty & Support

DuraWater is committed to providing high-quality products and excellent customer service. Your Fleck 5600 SXT Whole House Water Softener is backed by the manufacturer's warranty, details of which are provided with your purchase documentation.

Customer Support:

We love to help our customers! For any questions regarding installation, programming, operation, or troubleshooting, please do not hesitate to reach out to our support team.

Company: Aplus Water LLC

Email: Apluswater@hotmail.com

Phone: (877) 477-5452 (Toll-Free)

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

Additionally, your purchase includes a 30-day easy return policy, ensuring your satisfaction with the product.



Figure 6: Dedicated customer support is available to assist you.

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.

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Question

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Details

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