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› Affordablewater.us Fleck 5600SXT Water Softener Replacement Valve User Manual

Affordablewater.us 5600SXT

Fleck 5600SXT Water Softener Replacement Valve

MODEL: 5600SXT

Manufacturer: Affordablewater.us

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1. Introduction

This manual provides essential information for the installation, operation, and maintenance of your Affordablewater.us Fleck 5600SXT Water Softener Replacement Valve. Please read these instructions carefully before proceeding with installation or use to ensure proper function and longevity of the unit.

2. Product Overview

The Fleck 5600SXT is a digital metered control valve designed for water softener systems. It features on-demand regeneration based on water usage, ensuring efficient operation.

- **Genuine Fleck 5600SXT Valve:** Capable of up to a 20 GPM service flow rate (15 PSI drop) and accommodates water softener tanks up to 13 inches in diameter.
- **Digital Metered Control:** The SXT controller provides an LCD display that alternates between time of day and remaining volume/days until the next regeneration.
- **Paddlewheel Meter:** A durable paddlewheel meter accurately monitors water usage to trigger regeneration only when necessary.
- **Drain Line Flow Controls (DLFCs):** Includes 2.0 GPM and 2.4 GPM DLFCs for proper backwash flow rates.
- **Pre-programmed:** The unit comes pre-programmed for a 9-inch (32,000 grain/1 cubic foot) water softener, with instructions for reprogramming for larger tanks.
- **Genuine Fleck 3/4" MPT Yoke:** Included for connection to your plumbing system.



Image: Genuine Fleck 5600SXT Valve. This image shows the main control valve unit with its digital display and the Affordablewater.us branding.



Image: Durable Paddlewheel Meter. This image highlights the paddlewheel component responsible for measuring water flow.



Image: Genuine Fleck 3/4 inch MIP Yoke. This image displays the metal yoke connection piece for plumbing.

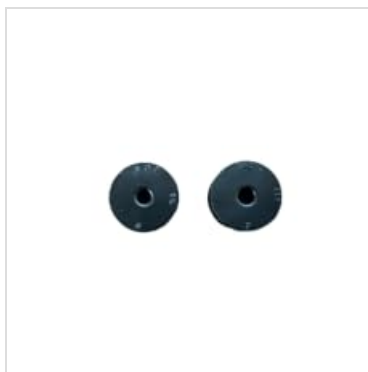


Image: 2.0 GPM and 2.4 GPM DLFCs. This image shows the two drain line flow control buttons included with the valve.

3. Installation

Installation of the Fleck 5600SXT valve requires basic plumbing knowledge. It is recommended to consult a qualified plumber if you are unsure about any steps. Ensure the main water supply is turned off before beginning installation.

1. **Prepare the Tank:** Ensure your water softener tank is properly prepared and free of debris. The valve is designed for tanks up to 13 inches in diameter.
2. **Attach the Yoke:** Connect the included 3/4" MPT Yoke to your existing plumbing. Ensure all connections are secure and leak-free.
3. **Mount the Valve:** Carefully mount the Fleck 5600SXT control valve onto the water softener tank. Hand-tighten first, then use a wrench to secure, being careful not to overtighten.
4. **Connect Drain Line:** Attach the drain line to the appropriate port on the valve. Ensure the drain line has an air gap and is routed to an approved drain.
5. **Connect Brine Line:** Connect the brine line from the salt tank to the valve.
6. **Electrical Connection:** Plug the power adapter into a standard electrical outlet.
7. **Check for Leaks:** Slowly turn on the main water supply and check all connections for leaks.
8. **DLFC Configuration:** The valve comes pre-programmed for a 9-inch tank. If you have a larger tank, you may need to switch out the Drain Line Flow Control (DLFC) and reprogram the unit. Refer to the detailed programming instructions for your specific tank size.

For visual guidance, many helpful installation and programming videos are available online. Search for "Fleck 5600SXT installation" or "Fleck 5600SXT programming" on video platforms.



Image: Back view of Fleck 5600SXT valve. This image illustrates the various connection points on the rear of the control valve, including the drain and brine line ports.



Image: Side view of Fleck 5600SXT valve. This image shows a side profile of the valve, including a product identification label.



Image: Fleck 3/4 inch MPT Yoke. A close-up of the metal yoke connection piece, showing its threaded ends for plumbing attachment.



Image: 2.0 GPM and 2.4 GPM Drain Line Flow Controls. This image shows the two small, circular DLFC inserts, labeled for their respective flow rates.

4. Operating Instructions

The Fleck 5600SXT valve operates automatically once properly installed and programmed. The digital display provides key information about your water softener's status.

- **LCD Display:** The LCD screen on the control head will alternate between displaying the current time of day and the volume of soft water remaining (or days remaining) until the next regeneration cycle.
- **On-Demand Regeneration:** The paddlewheel meter continuously monitors your water usage. When the pre-set capacity is reached, the valve will initiate a regeneration cycle automatically. This ensures that regeneration only occurs when needed, conserving water and salt.
- **Manual Regeneration:** In some cases, you may need to initiate a manual regeneration. Refer to the detailed programming guide for instructions on how to perform a manual regeneration.
- **Setting Time:** If power is lost, the time of day may need to be reset. Follow the instructions in the programming guide to adjust the clock.

5. Maintenance

Regular maintenance helps ensure the efficient and long-lasting performance of your Fleck 5600SXT valve.

- **Salt Level:** Regularly check the salt level in your brine tank and replenish as needed. Ensure the salt remains above the water level.
- **Clean Brine Tank:** Periodically clean the brine tank to prevent salt bridging and sludge buildup, which can affect regeneration efficiency.
- **Inspect Connections:** Annually inspect all plumbing connections for any signs of leaks or corrosion.
- **Valve Head Inspection:** While the Fleck 5600SXT is designed for durability, if you notice any unusual noises, leaks from the valve head itself, or inconsistent soft water, it may indicate an internal issue. Contact support for assistance.

6. Troubleshooting

This section addresses common issues you might encounter with your Fleck 5600SXT valve.

Problem	Possible Cause	Solution
No soft water	Low salt level in brine tank; valve not regenerating; bypass valve open; incorrect programming.	Check salt level and add salt; initiate manual regeneration; check bypass valve position; verify programming settings.

Problem	Possible Cause	Solution
Valve leaking	Loose connections; worn O-rings or seals; cracked housing.	Tighten connections; inspect and replace O-rings/seals; contact support if housing is cracked.
Excessive water usage / frequent regeneration	Incorrect hardness setting; undersized unit for household demand; leak in plumbing.	Verify hardness setting in programming; consult a professional to assess unit sizing; check for plumbing leaks.
Valve not displaying correctly / no power	Power outage; loose power connection; faulty transformer.	Check power outlet; ensure power cord is securely plugged in; test transformer or contact support.

If you encounter issues not listed here or if troubleshooting steps do not resolve the problem, please contact [Affordablewater.us](https://affordablewater.us) customer support.

7. Specifications

Feature	Detail
Model Number	5600SXT
Brand	Affordablewater.us
Material	Plastic
Item Dimensions (L x W x H)	8 x 5 x 9 inches
Item Weight	5 pounds
Outlet Connection Type	MPT
Outlet Connection Size	0.75 Inches
Number of Ports	2
Included Components	3/4" MPT Yoke, 2.0 GPM DLFC, 2.4 GPM DLFC
Color	Black

8. Warranty & Support

Your Fleck 5600SXT Water Softener Replacement Valve is covered by a **5-year manufacturer warranty**. For warranty claims, technical assistance, or any questions regarding your product, please contact [Affordablewater.us](https://affordablewater.us) customer support. Provide your purchase details and model number (5600SXT) when contacting support to expedite service.

Affordablewater.us Contact Information:

Please refer to the contact information provided at the time of purchase or on the official [Affordablewater.us](https://affordablewater.us) website for the most current support options.

