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Oceanic Water Systems 32k

Fleck 5800SXT Whole House Water Softener User Manual

MODEL: 32K

Brand: Oceanic Water Systems

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Fleck 5800SXT Whole House Water Softener. This system is designed to eliminate hard water scale buildup and improve the efficiency of soaps and detergents by removing calcium and magnesium ions through an ion exchange process. Featuring the high-efficiency Fleck 5800SXT Digital On-Demand control valve and upgraded 10% cross-linked resin, this unit ensures long-lasting performance and ease of use.

Important Safety Instructions

- Read all instructions thoroughly before attempting installation or operation.
- Ensure the system is properly grounded and connected to a 110-volt power supply.
- Always turn off the main water supply to your home before beginning any installation or maintenance.
- Adhere to all local plumbing and electrical codes during installation.
- Use only genuine replacement parts and components specified by Oceanic Water Systems.
- Keep the system and its components out of reach of children and pets.

Product Overview

The Fleck 5800SXT Whole House Water Softener system consists of several key components working together to provide soft water throughout your home:

- **Mineral Tank:** The primary tank containing the softening resin.
- **Brine Tank:** Holds the salt used for regeneration.
- **Fleck 5800SXT Control Valve:** The digital head that manages the system's operation and regeneration cycles.

- **Softening Resin:** Upgraded 10% cross-linked cation resin responsible for the ion exchange process.
- **Bypass Valve:** Allows for easy isolation of the softener for maintenance without interrupting water supply to the home.





Image: The complete Fleck 5800SXT Whole House Water Softener system, showing the tall black mineral tank with the control valve on top, and the rectangular black brine tank.

BENEFITS

Softer Skin & Hair

Long-lasting Appliances

Better Coffee & Tea

Health

Cleaner Laundry

Easier Home Maintenance

Scale Prevention

ULTIMATE HOME FILTRATION

Hard water contains dissolved minerals like

²⁰
Ca
Calcium
40.08

&

¹²
Mg
Magnesium
24.31

→

Water softeners use resin beads to swap the minerals with sodium, making it "soft"

Our technology captures water as it enters the home ensuring pristine quality water from every outlet. Advantages include: cleaner and shinier silverware, glassware, tiles, or any plumbing fixtures. Softer skin and clean, smooth hair. Reduced soap curd makes cleaning easier and reduces housework.

Image: A detailed diagram illustrating the internal components of the water softener system, including the control meter, brine tank with salt and float, mineral tank with resin beads and gravel, and how hard water minerals are exchanged.

IONS

RESIN

EXCHANGE SITES

HOW IT WORKS?

Ion Exchange Resin has excellent hydraulic characteristics for optimal flow and backwash flow rates. Its high capacity & porosity characteristic provide exceptional kinetic behavior along with good physical, chemical & thermal stability. This resin is insoluble in dilute or moderately concentrated acids, alkalies, & in all common solvents. Thermally stable to higher than 248°F (120°C) in alkalis such as sodium or alkaline earth like calcium & magnesium salt forms.

Image: A visual representation of the ion exchange process, showing how hard water ions are attracted to and exchanged with sodium ions on the resin beads, effectively softening the water.

Setup and Installation

This system is designed for DIY installation, and detailed video instructions are available to guide homeowners through the process. Follow these general steps for installation:

1. **Location Selection:** Choose a level, dry location near your main water line, a suitable drain, and a 110-volt electrical outlet. Avoid locations where the system could freeze.
2. **Turn Off Water Supply:** Locate your home's main water shut-off valve and turn off the water supply. Drain water from nearby faucets to relieve pressure.
3. **Assemble Components:** Place the mineral tank in its final position. Attach the Fleck 5800SXT control valve to the top of the mineral tank. Position the brine tank next to the mineral tank.
4. **Plumbing Connections:** Install the included 3/4" bypass valve. Connect the system to your home's main water line using appropriate plumbing fittings. Ensure all connections are secure and leak-free.
5. **Drain Line Connection:** Connect the drain line from the control valve to a suitable drain (e.g., floor drain, utility sink). Ensure there is an air gap to prevent back-siphonage.
6. **Add Resin (if not pre-loaded):** If your system's resin is not pre-loaded, carefully add the 1.0 cubic foot of 10% cross-linked cation softening resin into the mineral tank.
7. **Add Salt to Brine Tank:** Fill the brine tank with water softener salt. The standard Clack square brine tank can hold approximately 250 lbs of salt. Ensure the safety float is correctly positioned.
8. **Electrical Connection:** Plug the control valve's power cord into a grounded 110-volt electrical outlet.
9. **Restore Water Supply:** Slowly open the main water shut-off valve to allow water to fill the softener system. Check for any leaks.
10. **Initial Regeneration:** Follow the control valve's instructions to initiate the initial regeneration cycle. This will flush the system and prepare it for operation.

Operating Your Water Softener

The Fleck 5800SXT Digital On-Demand control valve provides efficient and user-friendly operation:

- **Meter-Based Regeneration:** The system measures your water usage and only initiates a regeneration cycle when necessary, optimizing salt and water efficiency.
- **Digital Control Interface:** The SXT controller features a back-lit LCD display, touch pad controls, and a user-friendly interface for easy programming.
- **Power Backup:** A 48-hour internal power backup ensures your settings are retained during power outages.
- **Setting Time and Date:** Refer to the control valve's specific instructions for setting the current time and day. Accurate timekeeping is crucial for scheduled regenerations.
- **Programming Regeneration Cycles:** You can adjust the regeneration frequency and settings based on your water hardness and household water consumption. Consult the control valve manual for detailed programming steps.
- **Manual Regeneration:** In situations where you anticipate high water usage (e.g., guests), you can manually initiate a regeneration cycle through the control valve's interface.

Routine Maintenance

Regular maintenance ensures the longevity and optimal performance of your water softener:

- **Salt Level Monitoring:** Periodically check the salt level in the brine tank. Ensure it remains above the water level and replenish as needed. Use high-quality water softener salt (pellets or crystals).
- **Brine Tank Cleaning:** Every few years, or if you notice a salt bridge or excessive sediment, clean out the brine tank. Turn off the water supply, bypass the softener, and remove any remaining salt and water before

cleaning.

- **System Inspection:** Regularly inspect the system for any visible leaks, unusual noises, or changes in water pressure. Address any issues promptly.
- **Resin Life:** The upgraded 10% cross-linked resin is designed for extended life, but its effectiveness will diminish over many years of use. Replacement may be necessary eventually.

Troubleshooting Common Issues

Refer to the table below for common issues and their potential solutions:

Problem	Possible Cause	Solution
No soft water	Bypass valve is open; No salt in brine tank; Control valve error; Salt bridge in brine tank.	Close bypass valve; Add salt to brine tank; Check control valve display for error codes and consult manual; Break up salt bridge.
Excessive salt usage	Regeneration settings are too frequent or too long; Leak in system.	Adjust regeneration settings on control valve; Check all connections for leaks.
Low water pressure	Clogged sediment filter (if installed); Resin bed fouled or compacted; Control valve malfunction.	Clean or replace sediment filter; Backwash resin bed (manual regeneration); Consult control valve manual for troubleshooting.
Continuous drain	Control valve stuck in regeneration cycle; Internal valve leak.	Initiate manual regeneration to reset valve; If issue persists, contact support.
Error codes on display	Specific system malfunction.	Note the error code and consult the detailed Fleck 5800SXT control valve manual for specific troubleshooting steps.

Technical Specifications

- **Model:** 32k
- **Grain Capacity:** 32,000 Grain
- **Mineral Tank Dimensions:** 9"x48" FRP Polyglass Tank
- **Softening Resin:** 1.0 Cubic Ft of Upgraded 10% Cross Linked Cation Softening Resin
- **Control Valve:** Fleck 5800SXT Metered Valve
- **Bypass Valve:** Included (3/4" male threaded yoke connection)
- **Electrical Requirements:** 110 Volts
- **Item Weight:** Approximately 53 pounds
- **Product Dimensions:** 48 x 9 x 9 inches
- **Manufacturer:** Oceanic Water Systems
- **Part Number:** 32k-56sxt-10-34
- **Certification:** NSF

Warranty Information

Your Fleck 5800SXT Whole House Water Softener comes with the following warranty coverage:

- **Fleck 5800SXT Control Valve:** An outstanding 5-year warranty. These valves have been tested for continuous operation for up to 27 years.
- **Structural Mineral Tank:** A 10-year warranty.

Please retain your proof of purchase for any warranty claims.

Customer Support

For technical assistance, troubleshooting guidance, or warranty claims, please contact Oceanic Water Systems directly. While detailed video installation instructions are provided to assist with DIY setup, our support team is available to help with any further questions or concerns you may have regarding your water softener system.

Sold by: Oceanic Water Systems