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› iSpring WSP-50SL Reusable Whole House Spin Down Sediment Water Filter with Siliphos, 50 Micron - Instruction Manual

iSpring WSP-SL

iSpring WSP-50SL Reusable Whole House Spin Down Sediment Water Filter with Siliphos, 50 Micron - Instruction Manual

Model: WSP-SL | Brand: iSpring

INTRODUCTION

The iSpring WSP-50SL is a reusable whole house spin down sediment water filter designed to reduce sediment, rust, dirt, sand, and large particles from your water supply. This filter is an ideal first stage in a multi-layer gradient filtration system, helping to extend the life of subsequent finer filters. It also includes Siliphos, which aids in softening water and preventing scale and corrosion, thereby protecting your plumbing fixtures and appliances.



Image: iSpring WSP-50SL filter unit with included wrench.

SAFETY INFORMATION AND PRECAUTIONS

- This system must be installed in a dry indoor environment, away from heat sources.
- This system is suitable for municipal tap water and well water within the temperature range of 40°F - 100°F.
- Do not allow wastewater or corrosive liquids to pass through the filter.
- The filter must be installed upright.
- Ensure the water flow direction marked on the valve body is the same as the direction of water flow within the pipeline.
- The installation location must provide reliable drainage.
- The unit comes with two types of threads on both ends: 1-inch Male NPT and 3/4 inch Female NPT to ensure proper

fit for different plumbing sizes.

WHAT'S INCLUDED

The iSpring WSP-50SL package typically includes the following components:



Image: Visual representation of the components included with the filter system.

- Water filtration system (Head Machine, Housing, Filter)
- Filter cartridge (50 Micron)
- Installation manual
- Plumber's Tape
- Housing O-ring (spare)
- Wrench

SETUP AND INSTALLATION

Follow these steps for proper installation of your iSpring WSP-50SL filter. It is recommended to have basic plumbing knowledge or consult a professional.

1. **Shut Off Water Supply:** Turn off the main water supply to your house. Open the nearest faucet to drain water from the pipes and release any pressure.
2. **Select Location and Cut Pipe:** Choose a suitable location for the filter. Measure and cut the cold water inlet pipe where the filter will be installed. Use a bucket to catch any remaining water.
3. **Prepare Connections:** Apply plumber's tape evenly to the machine head threads. Screw the appropriate connectors (1-inch MNPT or 3/4-inch FNPT) to the threads and tighten them with a wrench.
4. **Mount Filter:** Mount the filter to the pipeline. Ensure the water flow direction arrow on the machine head matches the direction of water flow within the pipeline.
5. **Drain Line Assembly:** Connect the drain hose (not included) to the drain connector at the bottom of the filter.
6. **Connect Drain Hose:** Insert the drain hose into a suitable drain pipe or drain hole.
7. **Restore Water Supply:** Slowly turn on the main water supply. Check for any leaks and ensure the filter is working properly.

Installation Video Guide

Video: Detailed installation steps for iSpring WSP, WSP-SL, and WSP-GR series filters, demonstrating the process of setting up the unit in a whole house water system.

OPERATING INSTRUCTIONS

The iSpring WSP-50SL operates continuously once installed. Its primary function is to filter sediment from your water supply. The transparent housing allows for visual monitoring of the filter's condition and sediment accumulation.

Manual Flushing

To maintain optimal performance, regular flushing of the filter is necessary. The frequency of flushing depends on the quality of your source water.

1. Ensure the drain pipe or drain can drain freely and is not blocked.
2. Switch the drain valve at the bottom of the filter to the vertical position to flush. Allow water to drain for a few seconds until clear.
3. Switch the drain valve back to the horizontal position to close it when flushing is complete.

It may be necessary to flush the filter screen at least once every week, depending on sediment levels.



Image: Illustration of the filter's operating modes: filtering (valve closed) and flushing (valve open).

MAINTENANCE

Regular maintenance ensures the longevity and effectiveness of your iSpring WSP-50SL filter.

Filter Cleaning and Replacement

1. **Shut Off Water Supply:** Turn off the main water supply and open the nearest faucet to drain water and release pressure.
2. **Drain Filter:** Drain out the water inside the filter by turning the drain valve switch to the vertical position.
3. **Remove Drain Hose:** Remove the drain hose from the drain connector.
4. **Unscrew Housing:** Unscrew the filter housing counterclockwise using the included housing wrench. Use a bucket to catch any remaining water.
5. **Clean/Replace Filter Cartridge:** Remove the filter cartridge from the housing. Clean it with a brush and/or soak it in vinegar to remove scale and sediment. If the filter is damaged or excessively clogged, replace it with a new iSpring 50 Micron filter cartridge.
6. **Reassemble:** Carefully line up the filter housing with the machine head and turn it clockwise to screw on the housing. Tighten it with the housing wrench.
7. **Reinstall Drain Hose:** Reinstall the drain hose to the drain connector.
8. **Restore Water Supply:** Slowly turn on the main water supply. Make sure there are no leaks and that the filter is working properly.

Maintenance and Filter Replacement Video Guide

Video: Instructions for manual flushing and filter replacement for iSpring WSP, WSP-SL, and WSP-GR series filters.

TROUBLESHOOTING

Most common issues with the iSpring WSP-50SL filter relate to water flow and leaks. Refer to the maintenance section for cleaning and reassembly steps.

- **Reduced Water Flow:** This typically indicates a clogged filter screen. Perform a manual flush. If flow does not improve, clean or replace the filter cartridge as described in the Maintenance section.
- **Leaks:** Ensure all connections are properly tightened. Check the O-ring for proper seating and damage. Replace the O-ring if necessary. Ensure plumber's tape was applied correctly to threaded connections.
- **No Sediment Reduction:** Verify that the correct 50 Micron filter is installed and that water flow direction is correct.

SPECIFICATIONS

Material	Brass
Product Dimensions	2"D x 3.5"W x 9"H
Item Weight	16 ounces (453 Grams)
External Testing Certification	REACH
Product Benefits	Prolongs service life of appliances, easy installation and maintenance, removes large sediment particles, prevents scale corrosion with Siliphos
Micron Rating	50 Micron
Item Model Number	WSP-SL
UPC	662425088348

WARRANTY

The iSpring WSP-50SL comes with a 1-year manufacturer's warranty. Please refer to the warranty documentation included with your product for full details and terms.

SUPPORT

For any questions, concerns, or technical assistance regarding your iSpring WSP-50SL filter, please contact iSpring customer support directly. Contact information can typically be found in the included user manual or on the official iSpring website.

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

Anonymous

Email

you@example.com

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