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iSpring WSP50GR

iSpring WSP50GR Reusable Spin Down Sediment Water Filter User Manual

Model: WSP50GR | Brand: iSpring

INTRODUCTION

The iSpring WSP50GR Reusable Spin Down Sediment Water Filter is designed to effectively filter out coarse sediment from your water supply. This filter features a 50-micron stainless steel mesh screen, a built-in housing scraper for easy cleaning, and a 360° rotatable head for flexible installation. It helps protect downstream plumbing and appliances from sediment buildup, ensuring cleaner water throughout your home.



Image: The iSpring WSP50GR Reusable Spin Down Sediment Water Filter, showing its main components including the blue transparent housing and pressure gauge.

SAFETY PRECAUTIONS

- This system must be installed in a dry, indoor environment away from heat sources.
- This system is only suitable for municipal tap water and well water within the temperature range of 40°F - 100°F (4°C - 38°C).
- Do not allow wastewater or corrosive liquids to pass through the filter.
- The filter must be installed upright.
- Be sure 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 frequency that the filter screen will need to be flushed will depend on the quality of the water passing through the screen.
- It may be necessary to flush the filter screen at least once every week.

- The unit comes with two types of threads on both ends: 1" Male NPT and 3/4" Female NPT to ensure proper fit for different plumbing sizes.

WHAT'S IN THE BOX

- Reusable spin down sediment water filter
- Filter cartridge
- Spare o-ring
- Housing wrench
- Plumber's tape
- Drain fitting



GOT EVERYTHING YOU NEED?

feel free to contact us for technical assistance



Image: All components included in the iSpring WSP50GR package, laid out on a white surface.

REQUIRED TOOLS (NOT INCLUDED)

- Pipe Cutter
- Spanner Wrench
- Large Jaw Plier
- Water Bucket

SETUP AND INSTALLATION

Follow these steps for proper installation of your iSpring WSP50GR filter. It is recommended to install the filter on the cold water line before any water heaters or softeners.

Step 1: Shut Off Water Supply

Shut off the main water line to your house. Open the nearest faucet to drain out water and release any pressure from the pipes. This ensures safety and prevents water spills during installation.

Your browser does not support the video tag.

Video: Demonstrates turning on a faucet to drain water and release pressure from the pipe.

Step 2: Prepare Installation Location

Find a suitable location for the filter on your cold water line. Measure and cut the water inlet pipe where the filter will be installed. Use a bucket to catch any remaining water from the pipe after cutting.

Step 3: Apply Plumber's Tape and Connectors

Apply plumber's tape evenly on the machine head threads. Screw the connectors to these threads. Use a wrench to tighten the connectors securely, ensuring no leaks.

Your browser does not support the video tag.

Video: Shows the process of applying plumber's tape to threads and tightening connectors with a wrench.

Step 4: Mount Bracket and Install Filter

Mount the provided bracket securely on the wall. Install the filter to the pipeline, ensuring the water flow direction arrow on the machine head matches the direction of water flow within your pipeline.

Easy installation. Fits your plumbing set-up by

ROTATING

the head connection.



SCRAPING

deeply cleans the mesh filter, making the maintenance easier.

Image: The iSpring WSP50GR filter showing its 360° rotatable head for easy installation and the scraping mechanism for cleaning.

Step 5: Drain Line Assembly (WSP-GR Series)

For the WSP-GR series, connect the drain hose (not included) to the drain connector at the bottom of the filter. The WSP-GR series uses 1/4" OD tubing for the drain line.

Step 6: Connect Drain Hose to Drain Pipe/Hole

Connect or insert the drain hose from the filter to a suitable drain pipe or drain hole. Ensure the drain location can handle the flushed water.

Step 7: Turn On Water and Check for Leaks

Slowly turn on the main water line. Carefully check for any leaks around the connections and ensure the filter is working properly. Address any leaks immediately by tightening connections.

OPERATING THE FILTER

Once installed, the iSpring WSP50GR filter operates continuously, filtering sediment from your incoming water supply. The

transparent housing allows for visual inspection of the filter mesh, so you can easily see when flushing is needed.



Image: Close-up of the iSpring WSP50GR filter showing the integrated pressure gauge for monitoring water pressure.

MAINTENANCE AND FILTER REPLACEMENT

Manual Flushing

To ensure optimal filter performance, it is recommended to flush the filter at least once per week. Ensure the drain pipe or drain hole is not blocked or clogged before flushing.

1. To flush, simply turn the drain valve switch to the vertical position.
2. Allow the water to drain for a few seconds until it runs clear.
3. Turn the drain valve switch back to the horizontal position to shut off the drain valve when finished.

Your browser does not support the video tag.

Video: Demonstrates the manual flushing process by turning the drain valve to release sediment.

The built-in scraper deeply cleans the mesh filter.

MINIMIZE the requirements for maintenance.

MAXIMIZE the life span for the filter system.



DOUBLE-SIDED SCRAPER

Image: Illustration of the double-sided scraper mechanism inside the filter, which helps clean the mesh filter and minimize maintenance.

Filter Cartridge Cleaning/Replacement

The stainless steel mesh filter cartridge is reusable and can be cleaned. If the filter becomes heavily clogged or damaged, it may need replacement.

1. Shut off the main water line and open the nearest faucet to drain water and release pressure.
2. Drain out any remaining water inside the filter by turning the drain valve switch to the vertical position.
3. Remove the drain hose from the drain connector.
4. Unscrew the filter housing counter-clockwise using the included housing wrench. Use a bucket to catch any remaining water.
5. Remove the filter cartridge from the housing. Clean it with a brush and/or soak it in vinegar to remove stubborn deposits.
6. After cleaning, reinstall the cartridge into the filter housing.
7. Carefully line up the filter housing with the machine head and turn it clockwise to screw it on. Tighten it with the housing wrench.

8. Reinstall the drain hose to the drain connector.
9. Turn on the main water line and check for any leaks.



Image: Close-up of the stainless steel mesh filter, illustrating its function in removing rust, silt, sediment, dirt, and other particles.

TROUBLESHOOTING

If you experience issues with your iSpring WSP50GR filter, consider the following:

- **Low Water Pressure:** This is often caused by a clogged filter screen. Perform a manual flush as described in the Maintenance section. If pressure remains low, remove and clean the filter cartridge thoroughly.
- **Leaks:** Check all connections for tightness. Ensure plumber's tape was applied correctly and that O-rings are properly seated and not damaged. Replace O-rings if necessary.
- **No Water Flow:** Verify that the main water supply is fully open and that the filter's inlet/outlet connections are not obstructed. Ensure the drain valve is fully closed after flushing.

If problems persist after attempting these troubleshooting steps, please contact iSpring customer service for assistance.

SPECIFICATIONS

Feature	Detail
Micron Rating	50 Micron
Product Dimensions	3.54"L x 3.54"W x 9.06"H
Item Weight	82 Grams
Maximum Flow Rate	20 Gallons Per Minute
Installation Type	Under Sink (or Whole House pre-filter)
Power Source	Manual
Connections	1" MNPT and 3/4" FNPT

WARRANTY AND SUPPORT

iSpring provides lifetime support with high-quality customer service. If you have any questions, concerns, or require technical assistance, please do not hesitate to contact iSpring customer service directly. Refer to the user manual (PDF link provided on Amazon product page) for additional details.

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