

## iSpring WSP50ARB

# iSpring WSP50ARB Spin Down Sediment Water Filter Instruction Manual

MODEL: WSP50ARB | BRAND: iSPRING

## 1. INTRODUCTION AND KEY FEATURES

The iSpring WSP50ARB Spin Down Sediment Water Filter is designed to provide multi-layer gradient filtration, effectively removing particulate, sediment, rust, and floating objects from your water supply. This reusable filter protects downstream finer filters, pipelines, water heaters, washing machines, and other appliances from potential damage, extending their lifespan and maintaining efficiency.

### Key Features:

- **Flushable and Reusable:** Filters out particulate, sediment, rust, and floating objects.
- **Pressure-resistant and Durable Materials:** Features a lead-free brass machine head, 50-micron food-grade stainless steel mesh filter screen, and explosion-proof transparent housing.
- **Easy Installation:** No welding or glue needed, compatible with copper, PEX, and CPVC pipes.
- **Auto Flushing Module:** Integrated with a touch-screen for automatic, semi-automatic, or manual flushing on a preset schedule, saving time and effort on maintenance.
- **High Flow Rate:** Provides a maximum flow rate of 25 GPM.

## 2. BEFORE YOU BEGIN

### 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.
- Do not allow wastewater or corrosive liquids to pass through the filter.
- The filter must be installed upright. During installation, make sure that 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.

## Required Tools:

- Pipe Cutter
- Spanner Wrench
- Large Jaw Plier
- Water Bucket
- Plumber's Tape

## 3. SETUP AND INSTALLATION

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The iSpring WSP50ARB filter is designed for easy DIY installation. Ensure you have all necessary parts and tools before starting.

### Installation Steps:

1. **Shut off Water Supply:** Turn off the main water line to your house and open the nearest faucet to drain water and release pressure from the pipes.
2. **Prepare Installation Location:** Find a suitable location for the filter. Measure and cut the water inlet pipe where the filter will be installed. Use a bucket to catch any remaining water.
3. **Attach Connectors:** Apply plumber's tape evenly on the machine head threads. Screw the push-fit connectors (1-inch MNPT and 3/4-inch FNPT) to the threads and tighten them with a wrench.
4. **Install Batteries (Optional):** If not using the power adapter, remove the battery cover on the auto-flushing module and insert three AA batteries.
5. **Assemble Drain Line:** Remove the drain cover. Install the small O-ring to the drain connector. Screw the drain connector to the drain port. Connect the drain line to the drain connector. Tighten the nut to secure the drain line and reinstall the drain cover.
6. **Mount Filter:** Mount the bracket on the wall and install the filter to the pipeline. Ensure the direction arrow on the machine head aligns with the water flow within the pipeline.
7. **Connect Drain Line:** Connect or insert the drain line to a drain pipe or a drain hole.

# Select **Large** Capacity

**Flushable**

**Auto Flushing**

Capacity  
**5 oz**



Capacity  
**16 oz**



Image: iSpring WSP50ARB Spin Down Sediment Water Filter with auto-flushing module.



**iSpring**  
**WSP-ARB / WSP-B Series**

Reusable Spin-down  
Sediment Water Filter

**Installation and Startup**

Image: Diagram showing the installation process of the iSpring WSP-ARB/WSP-B series filter.

Video: Official iSpring WSP-ARB WSP-B Series Installation and Startup Guide. This video demonstrates the proper steps to install and start up your iSpring spin-down sediment filter.

## 4. OPERATING THE AUTO-FLUSHING MODULE

The WSP50ARB features an integrated Auto Flushing Module with a touch-screen interface, allowing for automatic, semi-automatic, or manual flushing.

### Setting the Automatic Flush Schedule:

1. Press the Home button once to turn on the screen.
2. Press the 'Set' button to enter the adjust mode. Use the '+' or '-' buttons to adjust the flush frequency in days (e.g., '01' for daily flushing).
3. Press the 'Set' button again to adjust the flush run time. Use the '+' or '-' buttons to adjust the duration in seconds (e.g., '60' for 60 seconds).
4. Press the 'Auto' button to save the settings and return to automatic mode.

### Manual Flushing:

To perform a manual flush, press the 'Drain' button on the touch-screen. The valve will open for the preset duration. Press 'Drain' again to close the valve manually before the cycle completes.



Image: Close-up of the iSpring WSP50ARB touch-screen auto-flushing module, showing control options.

## 5. MAINTENANCE AND FILTER REPLACEMENT

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Regular maintenance ensures optimal performance and extends the life of your filter. The frequency of flushing depends on your water quality.

### Flushing the Filter:

- For manual flushing, switch the drain valve to the vertical position (for WSP-B models) or press the 'Drain' button on the auto-flushing module (for WSP-ARB models).
- Flush the filter for at least 15-60 seconds, or until the water runs clear.
- It is recommended to flush the filter at least once every month, or more frequently if your water has high sediment content.

### Cleaning the Filter Assembly:

1. Shut off the main water supply and release pressure from the pipes.
2. Unscrew the drain cover and pull out the circlip to remove the auto-flushing module or drain switch.
3. Remove the drain valve cover and the drain line.
4. Unscrew the filter housing counter-clockwise using the included housing wrench.
5. Completely remove the filter assembly (seal cover, filter mesh, and scraper) from the housing.
6. Clean the filter assembly with a brush and/or soak it in vinegar to remove stubborn buildup.
7. Reinstall the clean filter assembly into the filter housing, ensuring proper alignment. Turn the wrench clockwise to tighten the housing.
8. Reinstall the drain valve cover, drain switch/auto-flushing module, circlip, drain line, and drain cover.
9. Turn on the main water supply and check for leaks.

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## Spin Down Sediment Water Filter



Image: Exploded view diagram of the iSpring WSP50ARB filter components for assembly and disassembly.

Video: Official iSpring WSP-ARB WSP-B Series Maintenance/Filter Replacement Guide. This video provides detailed instructions on how to maintain and replace the filter components.

## 6. TROUBLESHOOTING

### Common Issues:

- **Filter Clogging Quickly:** If the filter clogs faster than the automatic flush can clean it, consider increasing the flush frequency or duration. For very high sediment levels, a larger micron filter (e.g., 100-micron) might be more suitable.
- **Automatic Flush Not Working:** Check the battery level or power adapter connection. Ensure the settings on the touch-screen module are correctly configured.
- **Leaks After Installation/Maintenance:** Ensure all connections are properly tightened with plumber's tape and a wrench. Check O-rings for proper seating and damage.

## 7. SPECIFICATIONS

Brand	iSpring
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<b>Model Name</b>	WSP50ARB Reusable Whole House Spin-down Sediment Water Filter 50 Micron
<b>Special Feature</b>	Self Cleaning
<b>Product Dimensions</b>	20"L x 10"W x 6"H
<b>Material</b>	Brass machine head, stainless steel mesh
<b>Maximum Flow Rate</b>	35 Gallons Per Minute
<b>Supported Water TDS Level Maximum (PPM)</b>	1000
<b>Installation Type</b>	DIY
<b>Power Source</b>	AC (3x AA batteries included for backup/optional)
<b>Item Weight</b>	4.25 pounds
<b>UPC</b>	810004171190

## 8. WARRANTY AND SUPPORT

iSpring Water Systems LLC is committed to providing quality products and excellent customer service. For warranty information, technical support, or any questions regarding your WSP50ARB filter, please refer to the user manual included in the box or contact iSpring Water Systems LLC directly.

Many users have praised iSpring's responsive and helpful US-based customer support team.