

iSpring Water Systems

WSP-GR USER MANUAL Ver.09/2018



 **Filter.com**

iSpring Water Systems, LLC (since 2005)

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OVERVIEW

iSpring WSP-GR

Reusable Spin-down Sediment Water Filter with Scraper and 360° Rotating Head

This central water purification pre-filter is mainly used to filter out particulate impurities, sediment, rust, floating objects and other pollutants in the water. It plays an active role in protecting terminal equipment and appliances such as downstream pipelines, water purifiers, water heaters, wall-hung boilers, washing machines, and showerheads.

The iSpring WSP-GR should be installed as a pre-filter and it is flushable and reusable. With just a toggle of a switch, they can flush out particles that are trapped in the filter without needing to shut down the water supply first.



PRODUCT FEATURES

- Large water capacity, using food grade stainless steel precision mesh membrane;
- Patented integrated flushing technology, which can effectively remove all kinds of impurities trapped by the filter for more effective cleaning and washing without the need to remove the filter;
- Core components made of materials that are strong in pressure resistance, safe and reliable;
- Special explosion-proof transparent housing provides clear visibility and is intuitive and convenient to use;
- Unique cleaning features make it convenient to remove contaminant buildup from the filter and filter housing with a just a few turns;
- Universal fittings make installation easier and can adapt to more applications.

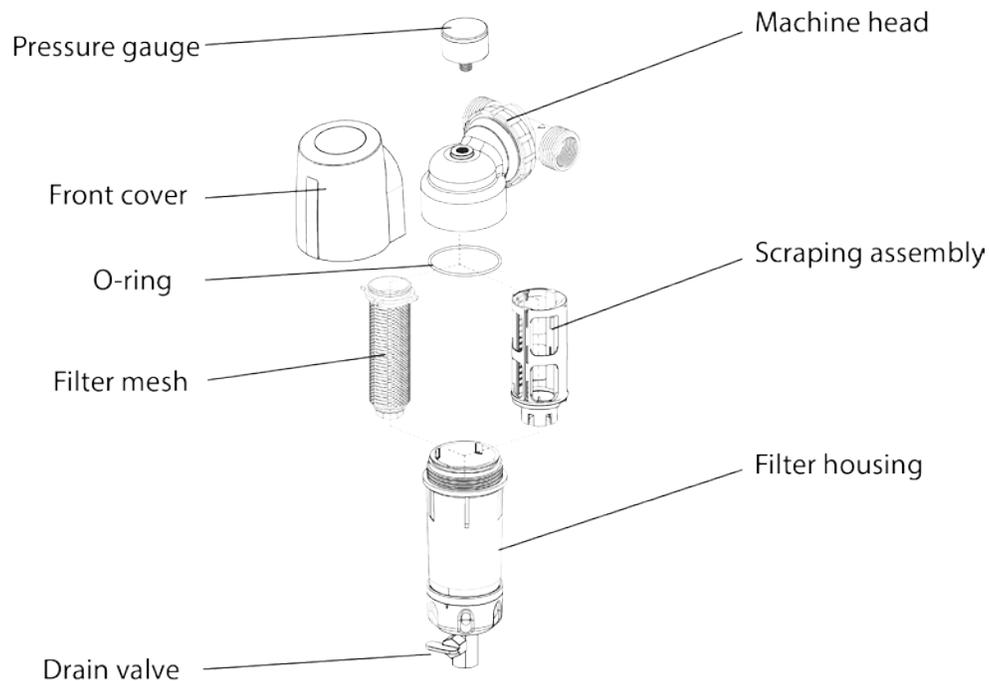
INSTALLATION AND MAINTENANCE TIPS

- This system must be installed in a dry indoor environment away from heat sources;
- This system is only suitable for 5-40 °C municipal tap water; please do not use with waste water and corrosive liquids;
- During installation, it's important to ensure that the direction of water flow marked on the valve body is consistent with the flow direction of the pipeline;
- The installation location must provide a reliable drainage system;
- Depending on water quality, it is necessary to flush the filter screen at least once a month;
- Take care to protect the components during regular cleaning and maintenance.

bar	psi	kPa	MPa
1	14.5	100	0.1
2	29.0	200	0.2
3	43.5	300	0.3
4	58.0	400	0.4
5	72.5	500	0.5
6	87.0	600	0.6
7	101.5	700	0.7
8	116.0	800	0.8
9	130.5	900	0.9

Pressure Conversion Chart

As part of our commitment to providing complete and reliable products and service, please contact us immediately if you have any questions.



HOW TO INSTALL

To suit different plumbing sizes, the unit comes with two types of threads on both ends: **1 inch MNPT** and **¾ inch FNPT**. *Please pay attention to the flow direction indicated by the arrow.*

- Close the main inlet valve and drain the remaining water from the pipe.
- When installing, please be sure that the direction of water flow marked on the valve body aligns with the direction of water flow in the pipeline.
- After the filter is installed, the filter housing assembly must be kept upright.

Apply Teflon tape

- PPR pipeline installation requires special welding equipment and requires firm welding.
- This product should not be installed outdoors. It should be located away from direct sun light, heat sources, fuel oils, and various chemicals;

- Make sure to apply Teflon tape evenly
- When tightening the hex nut with a wrench, make sure that other parts are not turning with it.
- After the filter is installed, carefully observe whether there is water leakage at the joints.

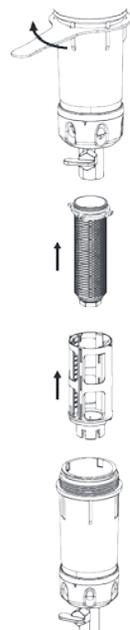
PRODUCT INSTRUCTIONS

- After installation, open the inlet water main valve to perform a flush.
- Before flushing, ensure that there is a reliable drainage system. You can also flush the drain water in to a suitable container.
- Simply turn the ball valve knob counterclockwise by 90°, then turn the scraper knob clockwise or counterclockwise for 3 to 4 times to clean and drain the filter housing.
- Depending on the quality of the incoming water, flush at least once a month, and toggle the ball valve switch 3 times, flushing for 30 seconds each time.
- Clean the filter cartridge after it has been used continuously for 8-12 months. We recommend that it be cleaned by professional maintenance personnel.

DISASSEMBLING THE FILTER CARTRIDGE

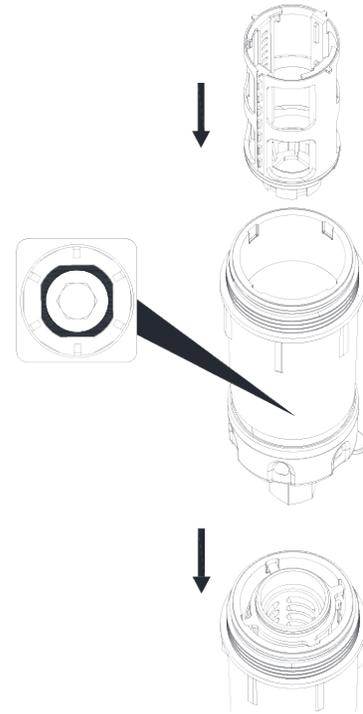
- If normal scraping or rinsing cannot remove the buildup on the filter mesh hence affecting water output, we recommend removing the filter assembly.
- Unscrew the filter housing counterclockwise using the included wrench
- Remove the filter assembly and clean the filter mesh

Note: No need to remove the scraping assembly if only cleaning the filter assembly.



INSTALLING THE SCRAPING AND THE FILTER ASSEMBLY

- When inserting the scraping assembly into the filter housing, the quadrilateral hole with rounded corners on the scraping assembly should be inserted into the hexagonal hole on the bottom of the filter housing and inserted into the bottom.
- When installing the filter assembly, note that the four bumps on the filter assembly inside the scraper assembly should be placed on the four grooves on the upper filter housing and inserted into the bottom.



TROUBLESHOOTING

Issue	Possible Causes	Approach
No water	Does the water source have water? Is the inlet water valve open?	Wait for water to come back on Open the inlet valve
Low outlet flow	Is the inlet water valve fully open? The surface of the filter is partially blocked	Fully open the inlet valve Flush the filter mesh to remove debris
Water leakage at the joint	Have filter parts been disassembled? Loose parts at the leaking location Not enough Teflon tape on the threads O-rings at the leaking location are damaged	Check if the seal is misaligned or missing Retighten the threaded joint with a wrench Reapply Teflon tape and tighten Replace O-rings
Does not display pressure values	Pressure gauge damaged Is the inlet water valve open?	Replace pressure gauge Open the inlet valve

CUSTOMER SATISFACTION AND WARRANTY REGISTRATION

To register your product for the warranty, please visit our website at 123filter.com and go to the “Warranty Registration” tab.

We provide a 30-day money back guarantee, a 1-year manufacturer warranty, and lifetime tech support for all of our products. However, we do not have the order information from websites other than 123Filter.com (Amazon, Home Depot, etc.), so please be sure to fill in that information upon registration of your system. If you have any questions or concerns about your product, please do not hesitate to call or email us, or put it in the notes/comments upon your warranty registration. Your satisfaction is our business!

If you are happy with our products and service, please show your support by writing a product review on Amazon. Even just a single line takes you just a minute, but means a lot to us. Thank you!

How to Contact Us

Office Hours:Monday-Friday, 8:30 am - 5:30 pm EST

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