

Frequently Asked Questions

Q Why isn't the indicator light on the UV sterilizer lighting up?

A Please note that the indicator light will be on only when water passes through the UV sterilizer. If the light is off when water passes, please check if the power connection is off; check if the plug is connected to the power socket and ensure that the plug is well inserted; check if the inlet tube and outlet tube are reversely connected to the water inlet and outlet on the UV sterilizer. If the light is still off, please contact iSpring Customer Service.

Q Does the UV sterilizer continue working around the clock?

A A sensor is built into the UV sterilizer. It works only when water passes through the sterilizer. This energy-saving design ensures excellent sterilization performance while increasing service life.

Q Does the UV sterilizer produce harmful substances?

A Unlike a traditional UV sterilizer that uses mercury, this UV sterilizer features an LED module, whose UV wavelength is between 270 nm and 280nm. This prevents the risks of ozone production and mercury leakage. Therefore, it can be used safely.

Q What if water leaks at the connecting point?

A Check all the joints, fittings and tube connections to locate the leakage. Make sure the threaded connectors are well installed. If water leaks inside the UV sterilizer, please contact iSpring Customer Service.

Q What does it mean when the blue light is flashing on the UV sterilizer?

A A flashing blue light indicates an abnormal operation. This means the system is powered on and water is flowing, but the UV LED is not functioning. Please check the power connection, UV module, and contact iSpring Customer Service if the issue persists.

iSpring Water Systems

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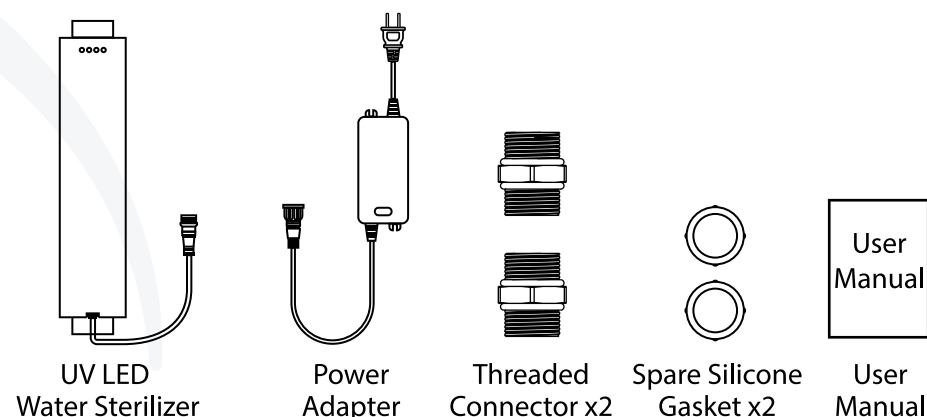


iSpring UVF50 LED UV Water Sterilizer Instruction Manual

Ver. 06/2025

Please read this manual before using and keep it for future reference

List of Components



Product Specifications

| | | |
|---------------------------------------|-----------------------|------------------------------|
| Model | UVF50 | |
| Product Dimensions | 2.42 × 12.6 in | |
| Inlet Water Pressure | Up to 300 psi | |
| Inlet Water Temperature | 41–131°F | |
| Operating Flow Rate | 0.14–13.2 GPM | |
| Sterilization Rate (<i>E. coli</i>) | > 99.99% | |
| Inlet/Outlet Size | 1" NPT Female | |
| Power Adapter | Input | 100–240 V AC / 2 A, 50/60 Hz |
| | Output | DC 24 V / 2.4 A |
| Service Life* | 8000 Hours | |
| UV Wavelength | 270–280 nm | |
| UV Intensity | 50 mW/cm ² | |

*Actual lifespan may vary based on inlet water quality.

Water Quality Requirement

Using untreated water may cause scale buildup and reduce UV effectiveness. Ensure feed water is clean to maintain optimal sterilization performance.

Important User Information

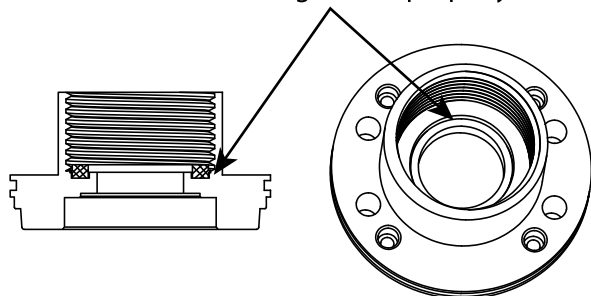
- For cold water use only.
- Do not install the unit in direct sunlight or near chemicals.
- Keep out of reach of children.
- Avoid looking directly at the UV light during operation.
- Follow all installation and operating instructions.
- Comply with local plumbing regulations.
- Shut off the water supply before installation or maintenance.

Installation

Installation for Threaded Connectors

- Ensure a silicone gasket is seated in the thread groove of the connector.
- Align the connector with the UV sterilizer port and thread it in by hand.

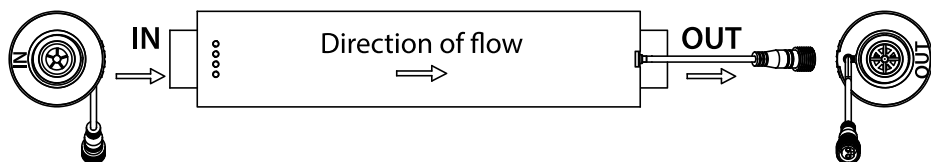
Ensure the silicone gasket is properly seated



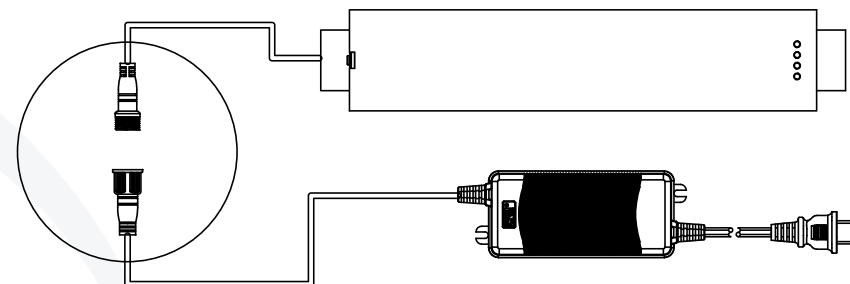
Installation for UV sterilizer

Install the UV sterilizer near the water pipe where there is a power supply.

- 1 Shut off the water supply.
- 2 Connect the "IN" port to the inlet water line and the "OUT" port to the outlet line.



- 3 Connect the power adapter to the UV sterilizer power cord, tighten the nut to prevent loosening and securing waterproof protection. Avoid the connection terminals of the power cord from coming into contact with water vapor and being corroded. Poor contact may cause abnormal operation of the UV sterilizer.



System Startup

- Turn on the end faucet, rinse for 2 minutes and check for any leakage.
- This UV sterilizer is built with an integrated water flow sensor. When water flows through the UV sterilizer, it is automatically initiated without any manual operation.

Indicator Light Status Description

| Status | Condition | Indicator Light Behavior |
|----------------------------|--|--------------------------|
| Standby | Power on, no water flow | Off |
| Working | Power on, water flowing | Solid blue |
| Abnormal Operation | Power on, water flowing, but the UV LED is not working | Blue light flashes |
| UV Module Lifespan Reached | After 8,000 hours of use | Red |

