
HQUA

Instruction Manual for UV Water Sterilizer

Contents

Section 1 Safety Information.....2-5

1.1 Warning labels

1.2 Safety precautions

Section 2 General Information....5-12

2.1 Package list & description

2.2 Water quality request

2.3 Specifications

2.4 Pipe system Layout

2.5 Installation

Section 3 Maintenance.....13-15

3.1 Replace the UV lamp

3.2 Clean & replace the quartz sleeve

Section 4 Troubleshooting.....16
Section 5 After-Sales Service.....16
Commitment & Appendix 1.....17-18
Leak Problem Solution.....19

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Section 1 Safety Information

Before starting the installation job, it's very important to read the entire instructions below. Make sure that you understand these in order to avoid potential hazards. Failure to do so may result in serious personal injury or damage to the equipment.

1.1 Warning Labels

To avoid potential hazards, read the labels and tags below carefully. They will also occur in the installation part of the manual.

	Waste electrical and electronic equipment (WEEE). This symbol indicates that you should not discard wasted electrical or electronic equipment (WEEE) in the trash. For proper disposal, contact your local recycling/reuse or hazardous waste center.		This symbol indicates a potential UV hazard. Proper protection must be worn.
	The UV lamp contains mercury. If the lamp breaks, avoid inhalation or ingestion of the debris and avoid exposure to eyes and skin.		This symbol indicates the marked item could be hot and should not be touched without care.

Safety Information

	<p>This is a safety alert symbol. Obey all safety messages with this symbol to avoid potential injury. When operating the equipment, refer to the Operational and Maintenance manual for additional safety information.</p>		<p>This symbol indicates safety glasses is required for protection against injury of UV exposure.</p>
	<p>This symbol indicates the existence of a risk of electrical shock and/or electrocution.</p>		<p>This symbol indicates that gloves must be worn.</p>
	<p>This symbol indicates the system is under pressure.</p>		<p>This symbol indicates that the transport items are fragile and should be handled with care.</p>

1.2 Safety precautions

Electrical Safety
<p>Negligence to these instructions may result in serious injury or death.</p> <ul style="list-style-type: none"> • Electric Shock: To avoid possible electric shock, special care should be taken since water is present near the electrical equipment. Unless explicitly addressed by the provided maintenance and troubleshooting sections, do not attempt repairs yourself. Find a professional plumber or contact us for help. • Grounding Plug: This product must be grounded to reduce the risk of electrical shock. The system is equipped with a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances. Do not use any type of adapter with this system. • DO NOT operate the UV water sterilizer with a damaged cord or plug. • DO NOT install this UV water sterilizer where it is exposed outdoors or under temperatures below freezing point. • DO NOT store this disinfection system where it is exposed to the weather or below freezing point unless all water has been drained and the water supply has been shut down.

Potential Hazards to Physical Body

- **Warning of Hot Water Output:** The water in the chamber of this equipment can be very hot (Approx. 140 °F) during an extended periods of no water flowing. It is recommended to open the faucet till the hot water has been purged from your chamber. Keep your body away from the faucet at this time.

To eliminate such condition, a temperature management water tank shall be installed at the outlet of your UV system.

- **Warning of Ultraviolet Exposure:** This system contains an UV Lamp. Do not light up the UV Lamp before it is removed from the chamber. Unintended use or damage of the system may result in the exposure of dangerous UV radiation. UV radiation may, even in a small amount, cause harm to the eyes and skin. It's dangerous to expose yourself directly to a lighted UV Lamp.

Other Cautions

- **Caution of Short Circuit:** Carefully examine the disinfection system after installation. It should not be plugged with water on parts that should be dry such as, the ballast or lamp connector.

- **Caution of Material Degradation:** Due to thermal expansion concerns and potential material degradation from UV exposure, it is recommended to use metal fittings and at least 10" copper pipe on the outlet of your UV chamber.

- **Hg Exposure:** The UV lamp contains mercury. If the lamp breaks, avoid inhalation or ingestion of the debris and avoid exposure to eyes and skin. Never use a vacuum cleaner to clean up a broken lamp as this may disperse the spilled mercury. Obey local regulations and guidelines for the removal and disposal of mercury waste.

- **Operation Caution:** The UV system must not be used or played by children.

Persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, are also not allowed to handle the UV system unless given proper supervision or instruction.

- **Maintenance:** The UV lamp inside the disinfection system has a rated effective life of approximately 9000 hours. To ensure continuous protection, replace the UV lamp annually.
- This system is intended to be permanently connected to water lines.
- This system is not intended to be used in or above water or outdoors or in swimming pools.
- **Extension Cords:** If an extension cord is necessary, use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole cord connectors compatible with the plug of the system.
- Read and understand the Manual before performing any maintenance on this equipment.

Section 2 General Information

2.1 Accessories list & description

Check the package according the list below. Make sure you get everything ready before installing. If something is lost or damaged, contact the manufacturer and seller or its service agent to get more help.