

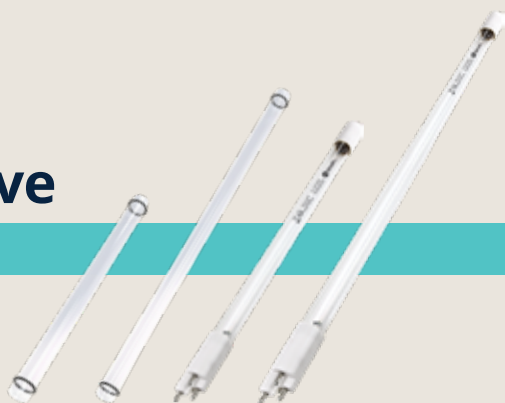


AQ-UV-300L, AQ-UV-330Q, AQ-UV-510L, AQ-UV-540Q

Whole House UV Filter Lamp and Quartz Sleeve

REPLACEMENT

Owner's Manual





Enjoy the peace of mind that comes from knowing our award-winning water filter technology is working for you.

AQ-UV-300L, AQ-UV-330Q, AQ-UV-510L, AQ-UV-540Q

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BEFORE INSTALLING

UV Lamp Replacement

After the UV Lamp is expired, it must be replaced with a genuine Aquasana replacement.

Replace the UV Lamp once every 12 months. Refer to the steps in this manual for detailed instructions. Read the entire replacement manual before changing the UV Lamp.

UV Quartz Sleeve Cleaning and Replacement

The Quartz Sleeve should be cleaned at least once every 12 months and replaced every 3 years for optimal performance. Depending on water quality, cleaning may be required more often.

If you have any concerns or questions about performing maintenance on the system, contact Aquasana Customer Service: 866-662-6885.

Supplies recommended for installation:

- Cotton gloves (for handling lamp and quartz tube)
- Lint free-towel
- For Quartz Tube: Commercial scale cleaner such as CLR, Lime-Away

⚠ WARNING

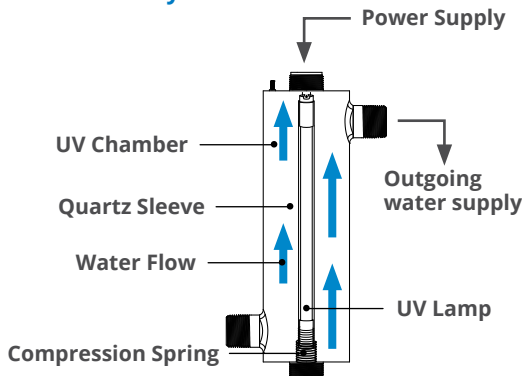
DO NOT touch the quartz sleeve with your hands. Use clean gloves for this procedure as oils from hands can leave residue on sleeve and UV Lamp blocking UV light.

Read all precautions and installation instructions carefully and completely before installing.

Safety Precautions

- **ALWAYS** disconnect the power cord from the electrical outlet before servicing the system.
- **NEVER** look directly at an illuminated UV Lamp without adequate eye protection and always protect your skin from direct exposure to the UV light. Energy given off by the UV Lamp is harmful to your eyes and skin.
- **DO NOT** use this system for any purpose other than what it was intended for. Misuse of this system could potentially cause harm to the user or others.
- **DO NOT** plug the unit in if the controller, lamp, or any of the electrical system components are wet. Aquasana UV Filters are intended for indoor use only and away from leaking plumbing.

Understanding Your UV Filter System



1 Removing Old UV Lamp

1. Unplug UV Filter from the electrical outlet and disconnect ground wire.
2. Turn off the main water inlet valve or turn off the inlet valve on the Pro-Grade Bypass Kit to enable the bypass system. Connect garden hose to drain valve and release the water pressure.

⚠ WARNING

DO NOT turn off water or drain water from lines before disconnecting power to the UV Filter.

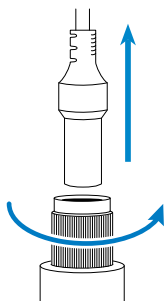
NOTE: Place a bucket under the system to catch any excess water that may drain.

⚠ WARNING

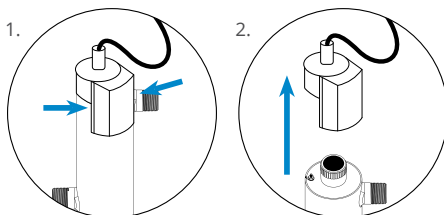
System may be hot to the touch. It's recommended that you use clean gloves during this step.

3. Unplug the lamp connector from the UV Chamber and disconnect the lamp connector from lamp.

For new systems AQ-UV-SF and AQ-UV-MF (Purchased after May 2026) push the lamp connector in and turn the lamp connector ¼ turn counter-clockwise.



For legacy systems AQ-UV-STD, AQ-UV-MAX, and AQ-UV-HIFLOW (Purchased prior to Aug 2019)



4. Remove the UV Lamp.

NOTE: DO NOT touch the UV Bulb. Only touch the ceramic ends.

5. Unscrew the upper retaining nut from the UV Chamber exposing the end of the quartz sleeve.
6. Remove lower retainer nut.

⚠ WARNING

DO NOT touch the quartz sleeve with your hands. Use clean gloves for this procedure as oils from hands can leave residue on sleeve and UV Lamp blocking UV light.

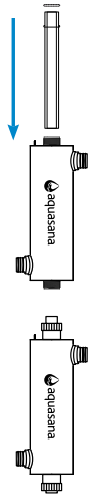
7. Remove quartz sleeve and o-ring by gently rolling lower o-ring off the sleeve. Pull quartz sleeve out of top of chamber. Remove upper O-ring.

2 Cleaning Quartz Sleeve

1. Using a soft, lint-free cloth or towel wipe the sleeve down using a commercial scale cleaner (e.g. CLR® or LIME-A-WAY®). This removes scaling or iron deposits that may be on the outside of the quartz sleeve.

3 Installing Quartz Sleeve

1. Using water, wet the o-ring and slide the upper o-ring onto the quartz sleeve.
2. Install the quartz sleeve in the UV chamber allowing the sleeve to protrude an equal distance from both ends of the UV chamber.
3. Wet the lower o-ring and slide onto quartz sleeve.
4. Assemble the retaining nuts (hand tight is sufficient), slide spring through the opening in the upper retaining nut and into the quartz sleeve. It will be held in place by the lower retaining nut. The spring is important to protect the lamp from damage during installation, support the lamp while installed, and to assist removal when doing system maintenance.



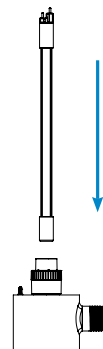
NOTE: If you have trouble obtaining a leak-free joint, apply silicone grease to o-rings.

4 Install New UV Lamp

⚠ WARNING

Always hold UV Lamps by their ceramic ends, not by the Lamp bulb. Again, use clean gloves for this step.

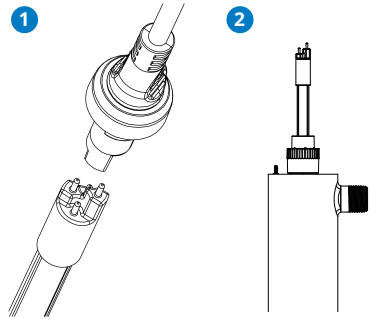
Remove the UV Lamp from its packaging.
Insert the UV Lamp into the UV Chamber.



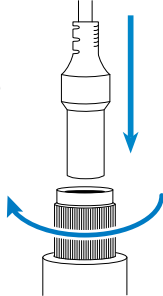
4 Install New UV Lamp (continued)

UV Lamp Connection

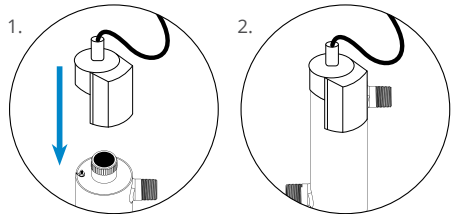
Plug the UV Lamp connector into the UV Lamp. Note the keying for proper alignment.



For new systems, purchased after May 2026, insert the UV Lamp connector into the upper retaining nut and turn the connector ¼ turn clockwise to lock it into the upper retaining nut.



For legacy systems, purchased prior to Aug 2019, push the connector and lamp together. You will hear an audible click to indicate it is fully installed.

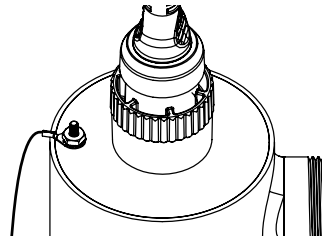


Ground Wire Connection

Attach the lamp plug ground wire to the stud on the UV chamber with the ground nut provided using an adjustable wrench to ensure proper grounding.

Plug-In UV Filter

Your system is now ready to be plugged into the appropriate GFCI protected outlet. Refer to the owner's manual for system disinfection procedure.



⚠ WARNING

Water should not be consumed from the system until System Disinfection process is complete.

Reset the Controller

- **RESETTING THE LAMP EXPIRATION TIMER:** After replacing the UV lamp, you must reset the timer. To do so, press and hold the button for 10 seconds until "rSET" is displayed. Release SET button and the controller will sound a long beep to confirm reset. The green LED will appear and red LED will turn OFF. The display will show "365" once reset is finished.

System Troubleshooting

Symptom	Possible Causes	Solutions
Pressure Drop	Sediment filter clogged	Replace filter cartridge with appropriate 5 micron cartridge. Note: Check source water supply as fluctuations may occur in source pressure.
High Bacteria Counts	Quartz sleeve is stained or dirty	Clean sleeve with scale cleaner and eliminate source of staining problem (ie. soften hard water).
	Change in feed water quality	Have source water tested to ensure that water quality is still within allowable limits for this system.
	Contamination in water lines after UV system	It is imperative that the effluent water stream be shocked with chlorine (bleach). Follow system disinfection instructions after new installation, lamp fault, replacement of UV lamp, or loss of power.
	Possible break-through of sediment through pre-filter	Have source water tested for turbidity - may need stepped filtration in order to catch all sediment entering water system (20 micron filter followed by a 5 micron filter followed by UV system).
Heated Product Water	Common problem caused by infrequent use of water	- Run water until it returns to ambient temperature - Install temperature management valve
Water Appears Milky	Caused by air in the water lines	Run water until air is purged
Chamber Leaking Water	Problem with o-ring seal on upper or lower retaining nut.	Ensure o-ring is in place, check for cuts or abrasions, clean o-ring, moisten with water/ lubricant and re-install, replace if necessary.
	Condensation on Chamber chamber caused by excessive humidity & cold water	Control humidity in the room where the system is installed to prevent condensation.
	Cracked Sleeve	Replace quartz sleeve
	Inadequate inlet/outlet port connections	Check thread connections, reseal with plumbers tape and re-tighten.
System Shutting Down Intermittently	Interrupted power supply	- Ensure system has been installed on its own circuit, as other equipment may be drawing power away from UV (ie. pump or fridge). - UV system should not be installed on a circuit which is incorporated into a light switch.
Lamp Failure Alarm on - New Lamp	Poor connection between lamp and connector	Disconnect lamp from connector and reconnect, ensuring that a tight fit is accomplished Ensure that the compression spring is in the quartz sleeve. This spring provides support to the lamp ensuring that the lamp is not hanging from the plug.
	Moisture build up in connector may keep lamp and connector from making a solid connection	Eliminate chance of any moisture getting to the connector and/or lamp pins.



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