

OPERATION & MAINTENANCE:

The UV system should remain on continuously to ensure protection of your water system. During normal operation of the system, the green power LED light will be illuminated and the display will indicate the number of days remaining until lamp replacement is required.

During periods of non-use, it is normal for the temperature of the water in the cylinder to rise. Simply flushing the water line will alleviate this condition. During humid conditions, sweating, or small water droplets may be noticed on the surface of the UV reaction chamber. The formation of condensation during high humidity conditions is normal. Do not allow condensation to drip onto ballast.

The following instructions have been provided to assist with general maintenance of the system; UV lamp replacement and quartz sleeve cleaning/ replacement. All other system repairs must be completed by an accredited service technician.

For system repairs, first contact your local water treatment dealer where you purchased this product or an accredited service technician by calling our Customer Service Center at **1-888-592-8370**

WARNING: *Never attempt to service the Greenway® UV system unless you are an accredited service technician, as the performance of the system could be adversely affected.*

5.1 LAMP INSTALLATION AND REPLACEMENT:

WARNING: *The lamp heats up after continuous use and can burn your skin if touched. Allow lamp to cool for at least 5 minutes before removing. Do not operate the UV lamp outside of the reactor. The lamp in the unit emits powerful Ultraviolet light that can cause permanent damage to skin and eyes. Never look at the lamp when the unit is turned on. Handle the UV lamp by the ends only. Do not touch the bulb of a lamp with your fingers. If the surface of the lamp becomes dirty, use a clean lint-free cloth and isopropyl alcohol to remove the dirt.*

Your Greenway® UV disinfection system is equipped with a visible / audible lamp failure indicator. In the event of a failure of the UV lamp, the red LED light will flash and a loud beeping will be audible from the electronic ballast of the unit. The lamp life countdown timer will stop decrementing. Please note that if these conditions occur and you are on a non-municipal supplied water source, you should immediately stop using the water for potable applications until the lamp is replaced and disinfection of the distribution lines is completed.

The ultraviolet lamp has an approximate life of one year (9000 Hrs.). Although the UV lamp will continue to operate long past 9000 hours, the UV output continually decreases after 9000 hours, and the UV lamp may no longer provide adequate disinfection. The built in 365 day countdown timer displays the number of days remaining until lamp replacement is required. When countdown timer reaches 0 days an intermittent audible alarm will be activated and display will indicate alarm A3. In order to allow time to obtain a replacement UV lamp, the audible alarm can be silenced for 7 days by pressing and holding button on ballast for 2-5 seconds. After 7 days, alarm will sound again if lamp has not been replaced. This can be done a maximum of 4 times which allows a total of 28 days to obtain a replacement UV lamp. After 4 times, alarm can no longer be silenced until a replacement lamp is installed and the lamp life alarm is reset to 365 days by pressing and holding button for 10 seconds.

Replacement UV lamps and quartz sleeves are available from an authorized dealer. Use only Greenway® lamps and sleeves to ensure system performance. Replacement lamps and quartz sleeves are sold under the following model numbers:

Model #	Replacement Parts		
	Ballast	UV Lamp	Quartz Sleeve
GAUV-6S	BA-40S	GUVL-6S	GQS-6/12
GAUV-10S	BA-40S	GUVL-10S	GQS-10/20
GAUV-15S	BA-40S	GUVL-15S	GQS-15/32
GAUV-12H	BA-95H	GUVL-12H	GQS-6/12
GAUV-20H	BA-95H	GUVL-20H	GQS-10/20
GAUV-32H	BA-95H	GUVL-32H	GQS-15/32

PROCEDURE FOR REPLACING / INSTALLING THE ULTRAVIOLET (UV) LAMP:

- Depressurize chamber by turning off the inlet water supply and open valve downstream of system. Then close outlet valve.
- Unplug the ballast from the electrical outlet.
- Allow at least 5 minutes for lamp to cool.
- Remove the connector from the end of the UV lamp.
- Remove the UV lamp from the quartz sleeve by gently rotating the lamp free. Be sure to hold the lamp only by the ceramic tips.
- Insert the new UV lamp into the quartz sleeve and attach the connector.
- Repressurize system by slowly opening water inlet valve.
- Check the system for leaks.
- Plug in ballast to the electrical outlet.
- Ensure that the UV lamp is operating – the green power LED light should be illuminated, the red lamp failure LED light should be off and no audible alarm should be active.
- Display will show number of days until lamp replacement is required. If a new lamp was installed. Press and hold button on ballast for **10 seconds to reset countdown timer**.

Mineral deposits and sediment build-up on the quartz sleeve will affect the system performance by decreasing the UV light transmitted through the quartz sleeve into the water column.

The proper maintenance and replacement of the pre-filtration required for the UV system will reduce the accumulation of mineral and sediment residue on the quartz sleeve.

The quartz sleeve may be cleaned with a commercially available, non-abrasive, scale remover should be acidic) and a lint free cloth. Cleaning of the quartz sleeve should be done on a regular basis to ensure maximum system performance. The amount of cleaning required will vary depending upon local water conditions.

All traces of the cleaning solution must be fully removed from the sleeve before it is reinstalled in the system. Care should be taken to prevent any cleaning fluid from coming into contact with the inside surface of the quartz sleeve.

PROCEDURE FOR REMOVING / INSTALLING THE QUARTZ SLEEVE:

- Turn off the water supply at both ends of the system.
- Unplug the unit.
- Drain water from the Stainless Steel UV Chamber.
- Allow at least 5 minutes for lamp to cool.
- Remove the connector from the end of the UV lamp.
- Remove the UV lamp from the quartz sleeve by gently rotating the lamp free. Be sure to hold the lamp only by the ceramic tips.
- Remove the retaining nut securing the quartz sleeve into the chamber
- Remove the quartz sleeve sealing O-ring
- Remove the quartz sleeve and clean as noted above.
- Insert quartz sleeve into the UV chamber. Quartz sleeves should be replaced every 3 years for optimal performance
- Insert UV lamp into the quartz sleeve and attach the connector.
- Slowly refill the UV chamber by opening the water supply just enough to fill the chamber with water.
- Check the system for leaks.
- Apply power to the UV system
- Ensure that the UV lamp is operating by verifying ballast green LED indicator is on and display is operational

Reset Buttons



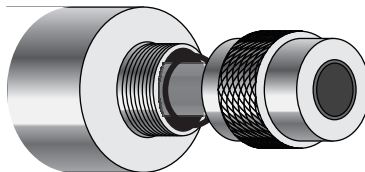
Resetting Your Controller

This unit has an electronic timer that counts down lamp life remaining & must be reset when lamp is changed or it will continue to alarm

- ◆ After following the above procedure, turn on the power.
- ◆ Press and hold the “ ” button for 10 seconds till the display screen shows “rSET”.
- ◆ Hold for a further 2 seconds until you can read “365”. Your controller is now reset.

Quartz Sleeve Removal/Cleaning Procedure

- ❑ Turn off the power, then unplug and remove the UV lamp.
- ❑ Turn off the water supply and release pressure in the line.
- ❑ Drain.
- ❑ Undo the end nut on the outlet end of the UV and carefully remove the “O” ring.



- ❑ Carefully pull out the quartz sleeve. **KEEP STRAIGHT: IF REMOVED AT AN ANGLE YOU RISK DAMAGE.**
- ❑ Use “LCR” to clean the quartz sleeve. Carefully dry with a tissue and only handle with tissue after cleaning.
- ❑ Carefully refit the quartz sleeve back in the chamber.
- ❑ Apply some lubricant (silicon or Vaseline) to the “O” rings then place over the quartz sleeve.
- ❑ Tighten the end nut by hand only ensuring the quartz sleeve remains centered. Turn the water back on and make sure there are no leaks (if a leak or drip appears, use an appropriate tool to tighten a ¼ turn at a time till drip stops). **Do not over tighten, there is no warranty on broken quartz sleeves.**
- ❑ Replace lamp, plug in power connector and reconnect the VU cover back over the plug & secure.
- ❑ Set Ballast as above.

Refer to the Owners Manual for all Trouble Shooting Issues.

North Island 0800 42 43 33 or South Island 0800 66 00 10