

# Instruction Sheet

## VIQUA Controller Replacement

### Section 1 Safety Information

Please read this entire instruction sheet before operating this equipment. Pay attention to all danger, warning, and caution statements in this instruction sheet. Failure to do so could result in serious personal injury or damage to the equipment.

Make sure that the protection provided by this equipment is not impaired. Do not use or install this equipment in any manner other than that specified in the instruction sheet.

#### 1.1 Safety Precautions

#### DANGER

Failure to follow these instructions will result in serious injury or death.

##### **Shock Hazard - Stored Energy**

- Disconnect power to system before performing any maintenance or repair.
- There may be more than one source of power. Only connect to a GFCI (For 120-240VAC Controllers).
- Protective ground
- DO NOT touch with wet hands.

##### **Pressurized Device - Impalement Hazard**

- NEVER perform any physical inspection, repair or maintenance on UV chamber unless UV chamber has been isolated and depressurized.
- NEVER service UV lamps, quartz sleeves or associated hardware until depressurization of UV chamber has been confirmed.
- DO NOT store any combustible or flammable material close to the system.

#### WARNING

Failure to follow these instructions could result in serious injury or death.

##### **UV Light Hazard**





- ALWAYS use UV protective gear, including gloves and UV safety glasses.
- NEVER look directly at illuminated UV lamp, even when using protective gear.
- NEVER illuminate UV lamp outside of the UV chamber.
- If accidental exposure occurs, immediately cool affected area and consult physician.

##### **Contamination Hazard**

- If UV lamp breaks, avoid inhalation, ingestion, or exposure to eyes and skin. Wear appropriate clothing and personal protective equipment.
- NEVER use a vacuum cleaner to clean up broken UV lamps as this will scatter the mercury. Obey local regulations and guidelines for the removal and disposal of mercury waste.

**WARNING:** This product can expose you to chemicals including Phthalates, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**⚠ CAUTION**



Failure to follow these instructions could result in minor or moderate injury.


**Thermal Hazard**

- Allow UV lamps, UV chamber to cool for a minimum of 10 (ten) minutes before handling.
- When there is no water flow, the water in the chamber will become hot. To prevent scalding, allow the system to cool for 10 minutes before draining the system.

**Personal Injury Hazard**

- UV lamps and quartz sleeves are fragile. Do not strike, bend or apply pressure, or they will break.
- DO NOT handle UV lamps or quartz sleeves with bare hands. Wear rubber or latex gloves to handle previously installed UV lamps and soiled quartz sleeves to protect against contaminants. Wear cotton gloves to handle new UV lamps and clean quartz sleeves.

**NOTICE**



**System Protection**


- To protect your Controller, a UL1449 certified (or equivalent) transient voltage surge suppressor is strongly recommended.

**Avoid Injury**

- Read and understand this Instruction Sheet before operating and performing any maintenance on this equipment.

**Section 2 Maintenance**

**⚠ WARNING**

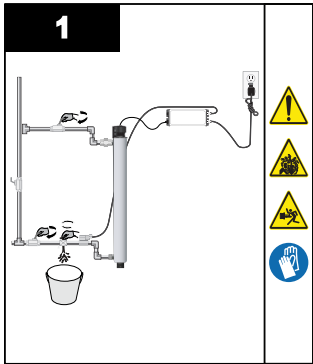


- Always disconnect power before performing any work on the UV system.
- Always shut-off water flow and release water pressure before servicing.

**2.1 Replacing Connector**

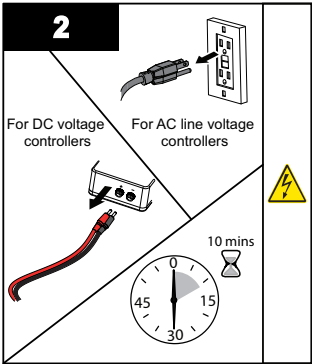
Procedure:

**1**



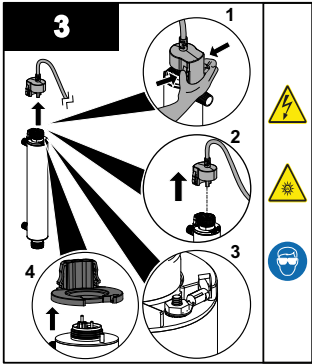
- Close water supply to the UV system, and then open a tap downstream of the UV system to release pressure.

**2**



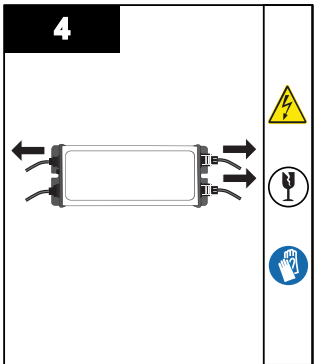
- Disconnect main power source and allow the unit to power down for 10 minutes.

**3**

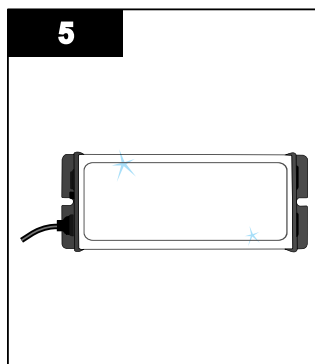


- Remove the lamp connector and ground wire.

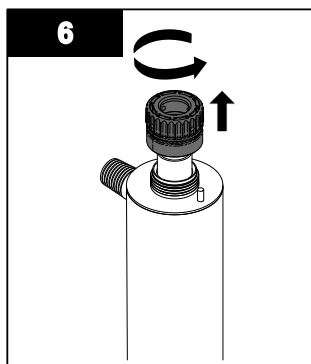
**4**



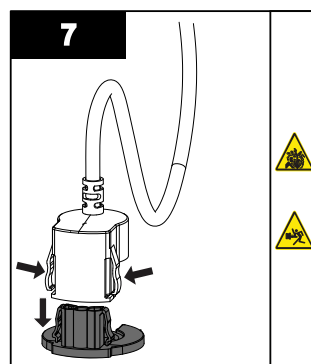
- Disconnect all the power cords and discard the controller.



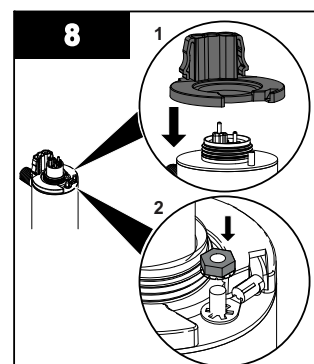
- Mount the new controller.



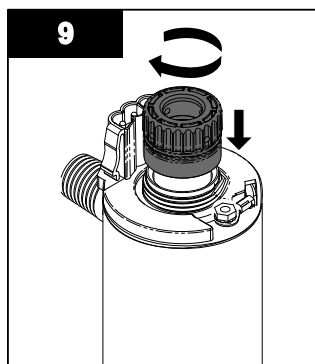
- Remove the retaining nut from the UV chamber.  
**Note:** If UV chamber does not have a lamp connector base, follow steps 6-9.



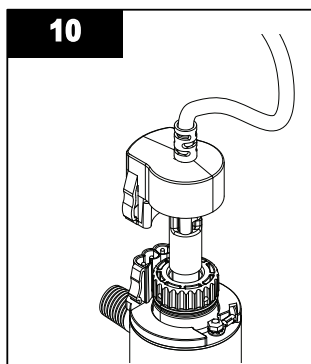
- Remove the lamp connector base by squeezing the locking tabs on the side of the new connector.  
**Note:** For shipping purpose, the lamp connector base is shipped attached to the lamp connector.



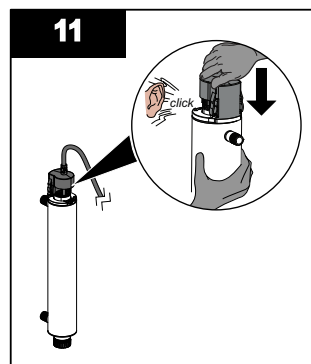
- Place the lamp connector base onto the UV chamber.
- Attach the ground lug to the ground stud and secure it with the green ground nut.



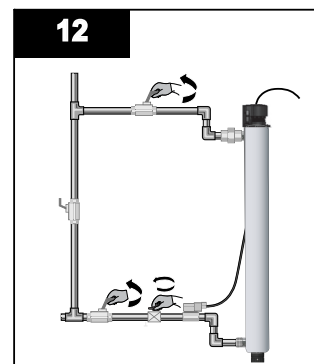
- Insert the retaining nut to the UV chamber.



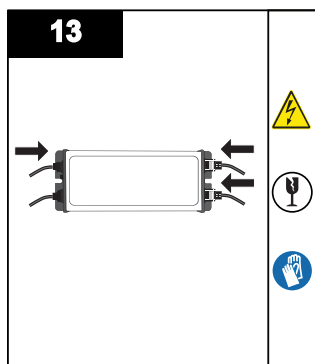
- Align lamp pins with lamp connector and attach the connector to the UV lamp.



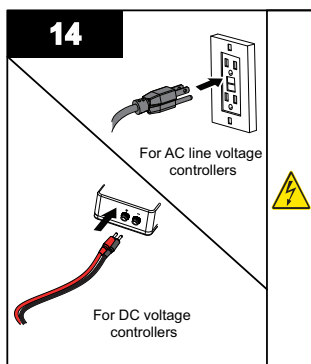
- Push the lamp connector against lamp connector base together until an audible click is heard.



- Open water supply to the UV system, and then close downstream tap.



- Connect all the power cords.



- Connect the main power plug and restore power.



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