

CLEAR WATER SOLUTIONS

CWS UVC/AIR PURIFICATION SYSTEM INSTALLATION MANUAL

Model # CWS UV/AIR 200/410

Thank you for purchasing Clear Water Solutions Inc. UVC/Air Purification System.
At CWS we use high performance UVC technology to purify the air your family breathes.

TECHNICAL SUPPORT



<https://watersoftenervernon.com>



1.250.306.5803



clearwatersolutions@shaw.ca



WARNING UV LIGHT

CAUTION UVC/UV HAZARD: ALWAYS PROTECT EYES FROM
ULTRAVIOLET LIGHT. NEVER LOOK AT UV LAMPS IN
OPERATION. UNPLUG FOR 5 MINUTES AND ALLOW LAMP TO
COOL BEFORE REPLACING LAMP OR SERVICING. COVER ALL
SPACES IN DUCT WORK WITH ALUMINUM TAPE THAT OMIT
DIRECT UV LIGHT.



WARNING ELECTRICAL SHOCK

POWER SUPPLY CAN CAUSE ELECTRICAL SHOCK.
DISCONNECT POWER BEFORE REPLACING ULTRAVIOLET
LAMPS. DO NOT OPEN BALLAST OR LAMP, THERE ARE
NO SERVICEABLE COMPONENTS.

TOOLS REQUIRED

- Medal hole saw drill with 1.0" bit
- #8 Robertson screwdriver
- Marker
- Aluminum tape
- Scissors
- *Optional: Extension cord, flash light/headlamp*

PRE-INSTALLATION

1. Choose location that ensures there is clearance for removing the lamp.
2. Ensure proper duct length to accommodate the lamp size, approximately 12 inches.
3. Mount above the warm air plenum, 6 to 8 inches above your air conditioning coil or your furnace filter and humidistat. (*see Figure 1*)

INSTALLATION

1. Mark hole location for mounting UV holding plate, with marker.
2. Using a 1.0" hole saw drill hole
3. Mount UV holding plate using the 4 screws provided with unit.
4. Slide UV lamp halfway into hole in UV holding plate. (*see Figure 2*)
5. Line up pins on lamp to ballast connector and plug together.
6. Carefully insert lamp and ballast connector in enough to clip the ballast connector to mating part.
7. Plug unit in to a 110v outlet red lamp, "365" will appear in the display. Press black reset button on side of ballast if "365" does not display.
8. Apply aluminum tape around the exterior of the system as needed to block any gaps omitting UV light.

LAMP REPLACEMENT

1. Remove power source from UV/AIR device and let cool for 5 mins.
2. Unclip connection from ballast connection
3. Carefully slide lamp out. If lamp disconnects from ballast clip remove lamp with pliers.
4. Slide UV lamp halfway into hole in UV holding plate. (see Figure 2)
5. Line up pins on lamp to ballast connector and plug together.
6. Carefully insert lamp and ballast connector in enough to clip the ballast connector to mating part.
7. Plug unit in to a 110v outlet red lamp, "365" will appear in the display. Press black reset button on side of ballast if "365" does not display.
8. Apply aluminum tape around the exterior of the system as needed to block any gaps omitting UV light.

Note: UV lamps can be disposed of in the same manner as a fluorescent lamp, check your local region for instruction.

UV LAMP SPECIFICATION

UV LAMP LENGTH	12 INCHES
LAMP TYPE	VIQUA S200RL-HO
LAMP LIFE	9000 HRS.
LAMP ENDS	CERAMIC
TEFLON WIRES	26 AWG TEFLON
LAMP DIAMETER	¾ INCHES
LAMP VOLTAGE	120-240v/50/60Hz
LAMP WATTAGE	35 WATTS
VISUAL POWER	ON YES
LAMP LIFE REMAINING	YES
AUDIBLE LAMP FAILURE	YES
AUDIBLE LAMP REPLACEMENT	YES

Use only genuine VIQUA replacement lamps in your system. VIQUA lamps are manufactured with high quality components to exacting specifications to ensure performance and safety. Using a non-VIQUA manufactured lamp in a VIQUA UV system poses risk. Risk can include but not limited to: fire, reliability, equipment failure or damage, loss of system certification and voided warranty. Using anything other than a VIQUA lamp is not worth the risk.



Figure 1 Mount above the warm air plenum, 6 to 8 inches above your air conditioning coil or your furnace filter and humidistat.

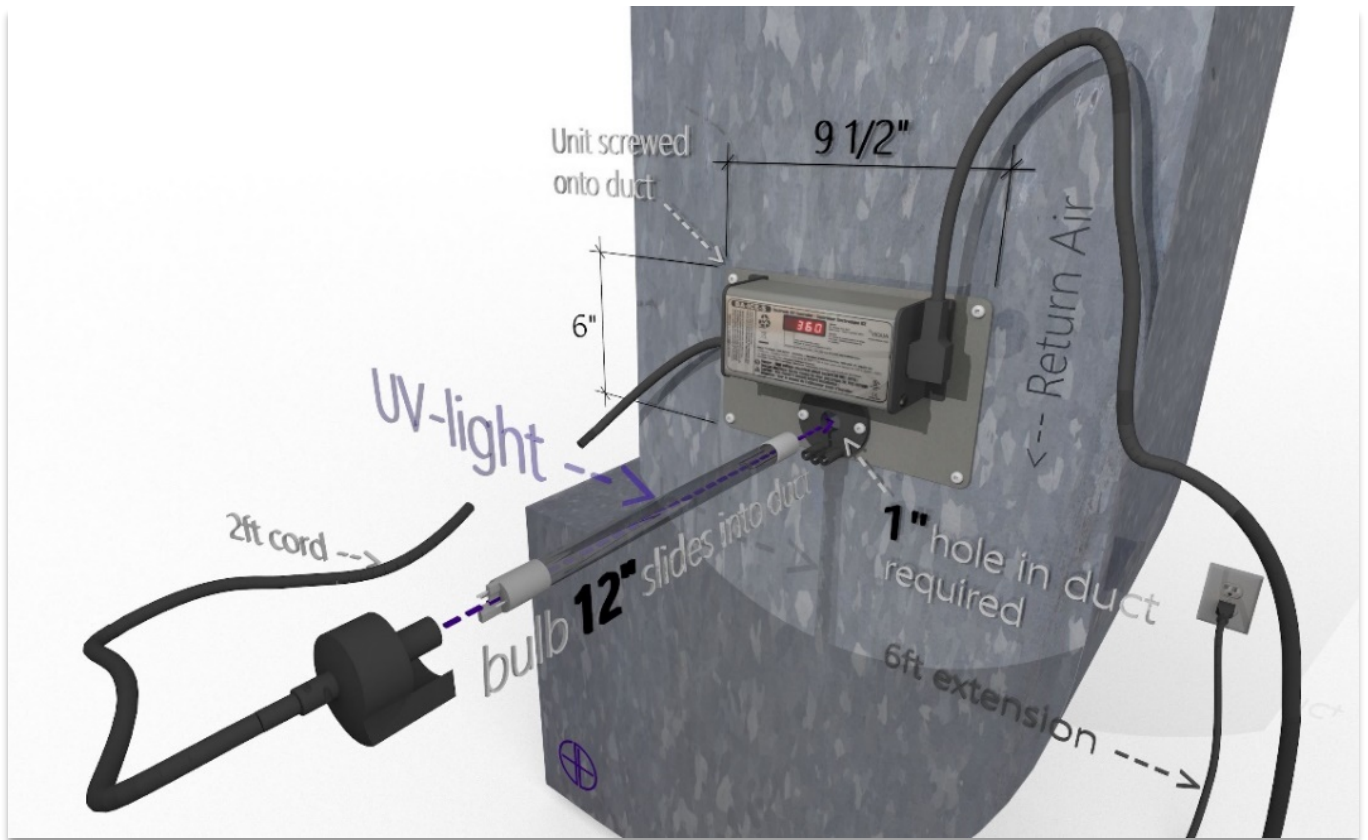





Figure 2 Slide UV lamp halfway into hole in UV holding plate

Our Commitment

CWS is committed to ensuring your experience with our organization exceeds your expectations. We have supplied your UV disinfection system to the highest quality standards and value you as our customer. Should you need any support, or have questions about your system, please contact our Technical Support team and we will be happy to assist you.

TECHNICAL SUPPORT

-  <https://watersoftenervernon.com>
-  1.250.306.5803
-  clearwatersolutions@shaw.ca

Warranty

In the event that repair, or replacement of parts covered by this warranty are required, the process will be handled by your dealer. If you are unsure whether an equipment problem or failure is covered by warranty, contact our Technical Support team at 1.250.306.5803 or e-mail clearwatersolutions@shaw.ca. Our fully trained technicians will help you troubleshoot the problem and identify a solution. Please have available the model number (system type), the date of purchase, the name of the dealer from whom you purchased your UV/AIR product (“the source dealer”), as well as a description of the problem you are experiencing. To establish proof of purchase when making a warranty claim, you will either need your original invoice. Please return the defective part to your dealer who will process your claim. Three-Year Limited Warranty for Electrical and Hardware Components CWS warrants the electrical (controller) and hardware components to be free from defects in material and workmanship for a period of three (3) years from the date of purchase. During this time, CWS will repair or replace, at its option, any defective parts covered by the warranty. Please return the defective part to your dealer who will process your claim. One-Year Limited Warranty for UV lamps CWS warrants UV lamps to be free from defects in material and workmanship for a period of one (1) year from the date of purchase. During this time, CWS will repair or replace, at its option, any defective parts covered by the warranty. Your dealer will process your claim and advise whether the defective item needs to be returned for failure analysis. Note: Use only genuine VIQUA replacement lamps in your system. Failure to do so may seriously compromise disinfection performance and affect warranty coverage. General Conditions and Limitations None of the above warranties cover damage caused by improper use or maintenance, accidents, acts of God or minor scratches or imperfections that do not materially impair the operation of the product. The warranties also do not cover products that are not installed as outlined in the applicable Owner’s Manual. Parts repaired or replaced under these warranties will be covered under warranty up to the end of the warranty period applicable to the original part. The above warranties do not include the cost of shipping and handling of returned items. The limited warranties described above are the only warranties applicable to CWS UV/AIR product. These limited warranties outline the exclusive remedy for all claims based on a failure of or defect in any of these products, whether the claim is based on contract, tort (including negligence), strict liability or otherwise. These warranties are in lieu of all other warranties whether written, oral, implied or statutory. Without limitation, no warranty of merchantability or of fitness for a particular purpose shall apply to any of these products. CWS does not assume any liability for personal injury or property damage caused by the use or misuse of any of the above products. CWS shall not in any event be liable for special, incidental, indirect or consequential damages. CWS’s liability shall, in all instances, be limited to repair or replacement of the defective product or part and this liability will terminate upon expiration of the applicable warranty period.