

REPLACING THE UV LAMP

IMPORTANT – Do not look into the UV light for any period of time, it could damage your eyes.

1. An audible alarm and red light on the ballast indicates that your UV lamp has either failed or the timer has counted down to 7 or fewer days remaining.
2. **Unplug the ballast from the power supply.**
3. The UV lamp may be hot when first turned off, allow sufficient time to cool before attempting removal.
4. **DO NOT unscrew the silver caps on the end of the UV chamber, this will release water.**
5. If a white plastic cap is fitted, pull it off then pull the black cable attached to the lamp until you can see the connection to the lamp. Unplug the lamp from the black connector (4 pin plug) and gently slide the lamp out of the quartz sleeve, taking care to use both hands, one to hold the end of the lamp, the other to support the lamp at the mouth of the quartz sleeve. Be careful, the lamp may be hot and is very fragile and does not bend.
6. Insert a new lamp the same way, carefully supporting it at the mouth of the quartz sleeve.
7. Plug the 4 pin plug to the end of the lamp. It only fits one way so do not force it, simply turn the lamp ¼ turn if it does not fit. Push the white cap back on if one is fitted.
8. Check for any water leaks around the quartz sleeve. If water is leaking, check and tighten the O-rings that are protecting and waterproofing the quartz sleeve (see instructions below).
9. If there are no water leaks, switch the electricity on. Silence the alarm by pressing the button on the ballast as indicated until the readout is 365. You will see the UVC lamp giving off a bluish light, if operating properly.

CLEANING OR REPLACING THE QUARTZ SLEEVE

CHANGING QUARTZ SLEEVE SEALS

Your UV lamp is inserted into a quartz (glass) sleeve. This quartz sleeve should be removed every 3 - 6 months and any dirt build-up on the outside removed and the seals checked or replaced.

1. **Disconnect all electricity to the system by unplugging from mains power.**
2. Remove outer aluminium box by removing the screws at the top and / or sides.
3. Shut off your incoming water supply at the system's shut-off ball valve.
4. Turn on a tap until the pressure drops and the water almost stops, to drain the UV cylinder.
5. Remove UV lamp first following the instructions above.
6. Unscrew the left and right end screw caps on the ends of the UV cylinder.
7. Carefully remove the O-ring which holds the quartz sleeve in place from the **left hand side ONLY**. The right hand O-ring remains in place.
8. Carefully pull out the sleeve **from the right hand side**, taking care to hold both ends, one hand at the right side of the sleeve, the other to support the sleeve at the left side of the cylinder.
9. Clean very carefully with methylated spirits or clear vinegar and a soft cloth to remove any deposits or dirt.
10. If you are replacing the seals, replace the right hand (sleeve closed end) seal with a new one.
11. After cleaning, re-insert from the right hand side, taking care to use both hands, one to hold the end of the sleeve, the other to support the sleeve at the mouth of the cylinder. Ensure that the sleeve protrudes from the cylinder by **exactly the same amount on the left and right sides**.
12. Replace the left side O-ring. Never use any lubricant other than water to slide the O-ring on.
13. Replace both end caps and tighten, **being careful not to over tighten** or the sleeve will break.
14. Re-insert your UV lamp using the method above.
15. Turn on incoming water supply and push each of the red buttons on top of the filter housings until all air is removed.
16. Check for any water leaks around the quartz sleeve seals. If water is leaking start from point 3. above.
17. Only when you are confident there are no leaks, switch the electricity back on.