



REPLACING THE UV LAMP

IMPORTANT:

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

The UV lamp may be hot when first turned off, allow time to cool before attempting removal.

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. **Do not** unscrew the silver end caps to change the lamp. The lamp will slide through the cap.
4. Unplug the lamp from the black connector (4 pin plug) and gently slide the lamp out of the UV chamber, taking care to use both hands, one to hold the end of the lamp, the other to support the lamp as it comes out of the UV chamber. Be careful, the lamp is fragile and does not bend.
5. Insert a new lamp the same way, carefully supporting it as it slides in, holding the plug end out.
6. Plug the 4 pin plug in 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. Then slide the lamp the rest of the way in.
7. Check for any water leaks around the end caps – **do not unscrew or loosen the silver end caps**. If there is water leaking at the end caps follow the instructions below to check the seals.
8. Only when you are confident there are no leaks, switch the electricity back on again.
9. Silence the alarm by pressing the button on the ballast as indicated until it shows proper operation. 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.

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 and outgoing water supply at the system's shut-off ball valves.
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 use both hands, one to hold the end of the sleeve, the other to support the sleeve at the mouth of the cylinder.
9. Clean very carefully with methylated spirits or clear vinegar and a soft cloth to remove any deposits or dirt on the outside of the sleeve.
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 and outgoing water supply.
16. Push each of the red buttons on top of the filter housings until all air is removed.
17. Check for any water leaks around the quartz sleeve seals. If water is leaking start from point 3. above to turn off water first. Then check and tighten the O-rings that are protecting and waterproofing the quartz sleeve, then follow the above steps.
18. Only when you are confident there are no leaks, switch the electricity back on again.