

TAYLOR
PURIFICATION
water treatment specialists

UV 200/400

Instructions for the periodic cleansing of the UV Quartz Sleeve and UV Lamp Replacement.

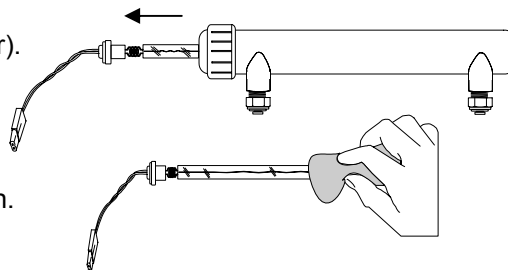
Ultra Violet (UV) disinfection works on the principle of inactivating bacteria and viruses by destroying their DNA structure and thus rendering them incapable of multiplying. To be 100% effective, all the bacteria and/or viruses that may be waterborne, must be "hit" by the UV light and with enough intensity. It is therefore important that not only should the water be as clear as possible, but the lamp should be replaced annually to maintain effective emission strength and the quartz sleeve (separates the lamp from the water) is cleaned regularly.

In all instances when working with the UV, ensure the power supply is turned OFF.

UV Lamp Replacement

Like all fluorescent type lamps, the UV lamp will lose its efficiency over time. After twelve months continuous running, the lamp will only be about 75% efficient and should be replaced to ensure effective bacterial control.

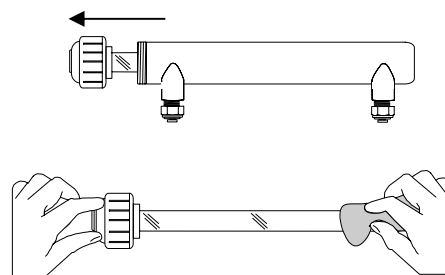
1. Turn off power (it is not necessary to turn off the water).
2. Unplug power cord connector near lamp.
3. Carefully pull out the lamp from housing.
4. Replace with new lamp being careful not to touch the lamp (glass) with hands (use a cloth if necessary)
5. Reconnect plug and then the power. Check lamp is on.



Quartz Sleeve Cleaning

Various minerals and metals in the water can cause deposits to build up on the quartz glass. Areas with high iron content or hard water (Calcium & Magnesium) will be particularly susceptible.

1. Turn off power and water.
2. Remove UV lamp.
3. Unscrew end cap and carefully slide quartz sleeve out (There will be some water spillage)
4. If the quartz is not "crystal clear", it will require cleaning.
5. Use household cleaner (not meths) and a soft cloth to clean the quartz (you can handle the quartz to clean near the screw thread end but over wipe to remove any oily residue).
6. Replace sleeve, tighten and reconnect water. Check for leaks and tighten if necessary.
7. Re-insert lamp and reconnect power.



Experience will tell you how often the quartz sleeve will require cleaning.