

DENTAL FILTER REPLACEMENT INSTRUCTIONS FOR DWSPOE

STEP #1

TURN OFF the water supply to your dental practice (the shut-off valve should be located near the DWSPOE disinfection system). Locate the drain kit provided with your system (quick connect fitting attached to BLUE tubing); also locate the gray spanner wrench (used to remove the filter housings).

STEP #2

After you have turned the water supply OFF, open every water fixture in your office (including the dental hand pieces) to relieve the water pressure within the water disinfection unit.

STEP #3

Starting with the filter sump on your far left, pull the brass sleeve on the quick-connect fitting and carefully remove the male barb to the right of the quick-connect fitting. This will allow you to connect the male-barb attached to the 10 feet of blue tubing, which is the drain line to drain the water within the filter sump. Once the drain line is attached, slowly open the shutoff valve, (located right under the filter sump; be sure you have the other end of the tubing placed into a sink or other means of draining off the water). Repeat this process on the second (middle) filter housing. The third filter sump (far right side) contains the UV system, which does need to be drained. To inspect the UV section and the quartz glass sleeve to ensure that no buildup has occurred, if necessary, clean with alcohol or soapy water. Once the filter housings are completely drained, use the spanner wrench and begin unscrewing (counter-clockwise) the filter housing. Remove and discard the old filter cartridges.

IMPORTANT NOTICE: When opening the filter housing to change the cartridge, it is common for the gasket (O-ring) to stick to the filter housing cap. The rubber gasket, which sits on the rim of the sump and/or into the groove in the sump, provides the watertight seal when your disinfection system is in operation. IT IS IMPORTANT THAT THE GASKET TO BE PROPERLY SEATED EACH TIME THE WATER UNIT IS REASSEMBLED, OR A WATER LEAK MAY OCCUR. To reinstall the gasket into the groove, simply wipe the gasket clean and lubricate it with glycerin or (Petroleum Jelly can be substituted). Place the gasket on the rim and/or groove of the sump; be sure that the gasket rests evenly on the rim or within the groove (do not handle or wipe excessively).

Remove the filter housings and the filter media, be sure to place the filters back in the correct order they were removed. Once the filters are removed, carefully fill both housings with the approved "bio-film" disinfectant (Bio-2000 or Ultra by Sterilex) and replace the filter housings. PRIOR to turning the water supply back on, go to each water fixture (previously opened to relieve pressure) and close each completely. Once all water fixtures have been turned OFF, you are ready to turn the main water valve back ON. BE SURE THE UV LAMP IS OFF DURING THE DISINFECTION PROCESS. Locate the furthest water fixture and/or dental hand piece and slowly open until the disinfection reaches this water fixture. Repeat this procedure for each and every water fixture and dental hand piece. Allow the disinfectant to remain overnight.

STEP #4

Now you are ready to insert the NEW filter cartridges. Repeat Step 2 & 3 again to relieve water pressure. Begin by removing the first housing (left side facing the system) and place the 1st filter, the 50/5 (spun-cotton) into the housing. Once the filter is in the housing, screw the housing into the cap and hand tighten. Repeat this process for the remaining filter, which is the ½ micron carbon filter (see photo #2). Place the spanner wrench onto the housing and continue tightening (usually a ¼ to ½ turn). NOTE: check the filter screen on the small filter located on the bottom of the sump by unscrewing the top. If debris is visible, simply rinse and replace.

STEP #5

Turn the UV lamp ON and check the flush timer for the correct time of day; notice how many flush cycles are selected and time duration of each cycle (min. of 3 recommended). Open the main water valve a ¼ turn to allow the water to enter the water disinfection system. Before leaving this area, check the filter housings for any possible water leaks (which would occur around the filter housings caps or at the shutoff valve located at the bottom of each filter housings). Open EVERY water fixture until the water flows evenly out (this allows any trapped air to escape) be sure to include each dental hand piece. Once the air and bubbles have dissipated, you may now open the main water valve. We suggest you go back to each water fixture and allow the water to flow from that fixture for several minutes to flush out any carbon fines or remaining disinfectant.

If the bacteria count increases between filter changes, be sure to check the UV chamber for build-up on the quartz glass. If necessary clean with alcohol or soapy water.

U.V. LAMP INSTALLATION

GENERAL PRECAUTIONS:

- WARNING:** Do not plug in the UV module to a power source until UV lamp installation is complete.
- WARNING:** DO NOT LOOK DIRECTLY AT THE UV LAMP WHEN IN OPERATION. This can cause retina and other permanent eye damage.
- WARNING:** DO NOT TOUCH THE UV BULB! Any fingerprints or dirt will reduce the efficiency of the UV bulb and may cause it to EXPLODE. Please use the cotton gloves PROVIDED to handle the UV lamp. [NOTE: When handling the UV bulb, only hold the plastic-covered ends of the bulb]

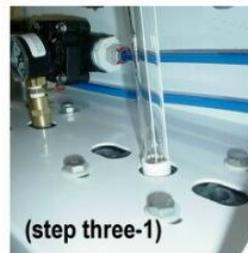
1. **STEP ONE:** Take out the four screws that hold down the UV control module, using a Phillips head screwdriver.



2. **STEP TWO:** Remove the UV control module and turn it upside down. Plug in the UV lamp to the UV lamp power cord, MAKING SURE TO HOLD THE UV LAMP BY THE PLASTIC-COVERED ENDS WITH THE GLOVES PROVIDED,



3. **STEP THREE:** Then first, slide the UV bulb into the UV filter housing and then re-attach the UV control module.



4. **STEP FOUR:** Plug in the electrical power cord, and check for any possible leaks.

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