

How to Shock Your Waterlines Using Diluted Bleach:

STEP 1: CREATE BLEACH-WATER SOLUTION



- › Detach your chair's water bottle.
- › Add a small amount of bleach based on your bottle size and bleach product concentration (See tables below). Fill the rest of the bottle with water.

8.25% Bleach Product Concentration:
Add 1 part bleach for every 13 parts water

5.25% Bleach Product Concentration:
Add 1 part bleach for every 9 parts water

STEP 2: RE-ATTACH YOUR BOTTLE TO THE UNIT

STEP 3: RUN BLEACH INTO EACH LINE



Air-Water Syringe

- › Run each A/W Syringe for 10 seconds or until you smell the bleach flow out the spout or you notice the "slippery" feel of the bleach. The bleach is now in the lines.
- › Set your timer for 10 minutes.



High & Slow Speed Lines

- › Remove each handpiece from the end of the line.
- › Place the handpiece connection into a sink, cup, or bucket.
- › Switch the "flush" toggle (or step on the reostat) for a few seconds until you can smell the bleach at the handpiece connection.
- › Repeat this procedure at every handpiece line, including slow speed handpieces.
- › If no water flows through your slow speed lines, shocking these lines is not necessary.



Ultrasonic Scalers

- › If you have an ultrasonic scaler in this operatory, run the scaler until you smell the bleach at the scaler tip.

STEP 4: MONITOR YOUR TIMER



- › Leave bleach in *each* line for 10 minutes and NEVER MORE than 15 minutes.
- › After 10 minutes per line, disconnect the water bottles and dump the remaining solution into the sink. Do not send the bleach solution through evacuation lines.
- › Refill water bottles with warm water and flush the lines for 1-3 minutes or until the remaining bleach odor disappears.



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KNOW BEFORE YOUR SHOCK

- › **DO NOT** flush bleach into any vacuum or drain system that contains an amalgam separator.
- › **DO NOT** leave bleach or sodium hypochlorite in your waterlines for more than 10 minutes.
- › **DO** wear gloves and protective eye-wear.

WHEN SHOULD I SHOCK?

- › Before first beginning a treatment protocol or when changing treatment products.
- › At least every quarter (90 days).
- › When your waterline test reveals a contamination level of 200 CFU/mL or more.

WHY DO I NEED TO SHOCK?

Our lab continues to discover just how important this part of the treatment process is to ensuring your lines are clean and safe. Biofilm works hard to survive and spread. Periodically, a more powerful chemical agent is necessary to clear your line of any remaining bacteria to ensure any treatment product can be effective. Practices that shock early and often routinely receive passing water tests.

IS BLEACH SAFE FOR EQUIPMENT?

Several manufacturers (including Midmark, DCI International, DentalEZ, DENTSPLY Cavitron, and Proma) have authorized weekly or daily water system treatment with a solution of bleach. Sterilex ULTRA® is an effective alternative, but will require leaving it in your waterlines overnight.

Questions?

Call our team at 888.843.3343
or visit ProEdgeDental.com