

# How to Shock Your Dental Unit Waterlines Using Diluted Bleach:

## Step 1: Create Bleach-Water Solution



- > Detach your chair's water bottle.
- > Add bleach and cold water with measuring cup (or 5 oz. patient cup) (see table below).
- > Re-attach your bottle to the unit.

	<b>bleach</b>	+	<b>water</b>		<b>bleach</b>	+	<b>water</b>
For 5.25-6.25% Sodium Hypochlorite	 x1		 x9		 x1		 x13

## Step 2: Run Bleach Into Each Line



### Air-Water Syringe

- > Run each A/W syringe for 10-15 seconds or until you smell the bleach flow out the tip.



### High & Slow Speed Lines

- > Remove each handpiece from the end of the line.
- > Place the handpiece connection into the collection cup, bucket, or sink.
- > Switch and hold the "flush" toggle (or step on the rheostat) 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, this may take up to 1 minute.

*Pro Tip:* If you are having a hard time recognizing if bleach is within the line, grab a neon sticky note and lightly spray it with the scaler, syringe, or handpiece. Wait 10 seconds. If bleach is within the line, the sticky note will be lighter in the area you sprayed.

## Step 3: Wait and Flush



- > Set your timer for 10 minutes
- > Leave bleach in each line for 10 minutes and NEVER MORE than 15 minutes.
- > After 10 minutes, disconnect the water bottle and dump the remaining solution into your collection cup, bucket, or sink. NEVER SEND BLEACH OR ANY DENTAL UNIT WATERLINE SHOCK PRODUCT THROUGH ANY EVACUATION/SUCTION LINES.
- > Refill water bottle with warm water and flush lines for 2 minutes to help break up and remove biofilm.
- > Lastly, flush lines with cold water for 1 minute to cool the lines



## Step-by-Step Video

[ProEdgeDental.com/Shock](https://ProEdgeDental.com/Shock)

## What You Will Need:

- > Regular household bleach (check expiration and concentration)
- > Dummy Straw (if you are using a straw)
- > Water
- > Collection bucket
- > Measuring cup (or 5oz. patient cup)
- > Standard PPE
- > Timer

## 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 Should I Shock?

Shocking is the key to dental waterline maintenance. Biofilm is stubborn, complex, and can be hard to remove, which is why it is critical to use a shock treatment such as diluted bleach to help clean your waterlines.

## Is Bleach Safe for Equipment?

Several manufacturers (including Midmark, DCI International, DentalEZ, DENTSPLY Cavitron, Pelton & Crane, and Proma) have authorized weekly or daily water system treatment with a solution of bleach. If you want to shock with something other than bleach, Crosstex Liquid Ultra™ is an effective alternative.

## Questions?

Call our team at 888.843.3343 or visit [ProEdgeDental.com](https://ProEdgeDental.com)