

Source Water

When filling your water bottles, you want to start with clean water that is free of bacteria. Putting contaminated water in your waterlines after you have worked so hard to get them clean is the last thing you want to do.

*Prior to our recommendations, check the IFU's of your dental unit manufacturer to see recommended source water.
The source waters below are for **non-surgical procedures**.
For surgical procedures, use sterile water with a sterile delivery system.*

Types of Water

Commercially bottled drinking water, spring water, or artesian water

Recommended

- + Is the gold standard and regulated by the FDA - (<https://www.fda.gov/consumers/consumer-updates/bottled-water-everywhere-keeping-it-safe>)
- + Has a mineral count that is neither too high or too low.
- + Tastes better than distilled water, especially when used with tablets or straws.
- Is more expensive than tap water, but less than distilled. *Note: Always use distilled water to fill your autoclaves.*

Tap water

Recommended

- + Regulated by the EPA - Must be at the passing standard of 500 CFU/mL.
- + Data shows that tap water is effective when used with tablets and iodine-based straws.
- Straws that are silver-based may require commercially bottled water for best results.

In-office filtration systems/centralized systems

Not Recommended

- + Centralized systems are designed to remove TDS (total dissolved solids), but not CFU's. This water is appropriate for use in autoclaves.
- We strongly advise against filling your dental water bottles with water from in-office distillers as these systems contain carbon filters, which are a breeding ground for bacteria - (<https://link.springer.com/article/10.1007/BF01591360>)
- Most systems store the filtered water in a tank, causing stagnation, which leads to biofilm development.
- If using a filtration system, test water straight from the source at least quarterly and conduct regular maintenance.
- Most dental unit manufactures do not recommend using distilled, deionized, reverse osmosis, or other ultra-pure water types because it can be corrosive from long-term use.



Got questions? Reach out
to us at 888.843.3343