

## American Dental Association ADA Requests

The American Dental Association (ADA) has established a standard of less than 200 colony-forming units of bacteria per milliliter of water (CFU/ml) for the unfiltered effluent water of dental units. A number of currently available products attempt to meet this standard, for example, in-line filters, weekly chemical regimens, and separate water systems. The common threads to their shortcomings include technique error, lapses in compliance with demanding maintenance protocols, equipment degradation from repeated chemical exposure, and frequent replacement of costly waterline treatment devices.

Dental units and their waterlines, by design, efficiently manage water through their respective water ports, but these low-flow and narrow tubing diameter characteristics create an ideal environment for bacteria to attach and multiply, creating a biofilm that can contaminate dental unit water to greater than 100,000 CFU/ml. Organisms isolated from dental unit water that may pose specific risks to susceptible individuals include *Pseudomonas*, *legionella*, and non-tuberculous *Mycobacterium* species.

The Waterclave Water purifier was designed to be the gold standard response to dental unit waterline contamination. It eliminates the need for retrofits, independent reservoir systems, sterile or distilled water storage, point-of-use filters, and frequent chemical treatment failures: human error and handling.

The Waterclave Water Purifier's closed system uses the same effective microbial control methods as the autoclave, using deoxygenating steam under pressure (270° F, 25psi) to rid dental treatment water of viable bacteria. The result is safe, bacteria-free coolant water.

The Waterclave Water Purifier out-performs its competitors by consistently delivering "ZERO" CFU/ml for 6+ months without chemical maintenance. The Waterclave Water Purifier responds on demand, delivering bacteria-free water to as many as 40 dental units and their respective water ports (handpiece, air-water syringe, ultrasonic scaler, prophylaxis unit and even the cuspidor). With Waterclave Water Purifier, patient and staff exposure to waterline bacteria is virtually eliminated.

The Waterclave Water Purifier exceeds the ADA goal for dental unit water quality. It helps you protect yourself and your staff from exposure to bacteria-laden aerosols and allows you to give your patients what they deserve and expect: clean, high quality dental treatment water.

**WATERCLAVE Water Purifier**

The most effective, least technique-sensitive system on today's market.