



**WATER LINE  
MAINTENANCE**  
HAS A SILVER LINING



# THE IMPORTANCE OF WATER LINE MAINTENANCE TO A DENTAL PRACTICE

**Water is required for every dental procedure**, from routine hygiene care to complex oral surgery. Dental unit water lines are a connected system. Water flows from the dental unit and is used throughout all dental treatments orally, running through drills, ultrasonic scalers, and other equipment. It produces aerosols. After treatment the water travels through evacuation lines to the amalgam collection and separation unit, ending at the vacuum before exiting the office.

Everything within a dental practice is touched by water, and to ensure safety it is important that this water—as well as anything used within the dental unit water lines—be **chemically compatible, non-oxidizing, and reliable**.

This ensures safety for patients, staff, and the environment.





# ELIMINATING BACTERIA

## AND PREVENTING BIOFILM GROWTH

Water line maintenance can be a time-consuming and complicated process for a dental practice, but it doesn't have to be. Up until now iodine has been a commonly used solution, but **iodine has several drawbacks:**

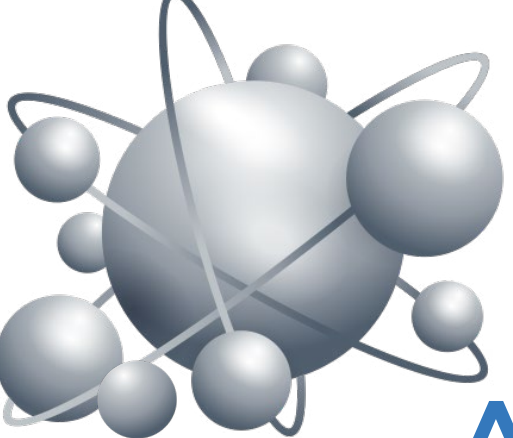
- Iodine can cause oxidation, which corrodes metal parts in dental equipment.
- Iodine can cause handpiece malfunction.
- Iodine can cause discoloration.
- Many patients can taste iodine in the water.
- With many complicated instructions for use (IFUs) for iodine-based solutions, water line maintenance can cause confusion as well as extra time and effort for dental office personnel.

### WHAT IF IT COULD BE BETTER?

Thanks to innovations in the dental industry, it is now possible to **replace iodine with silver**. Silver is a broad-spectrum antimicrobial, with a proven track record in commercial applications, that targets wide range of microorganisms, including bacteria, viruses, and fungi. **Silver has several distinct advantages:**

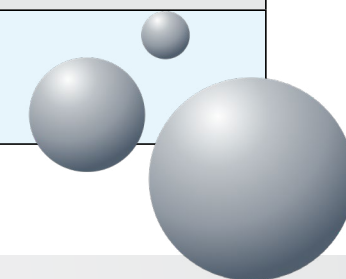
- Silver does not cause oxidation, thus preventing corrosion and handpiece malfunction.
- Silver does not stain.
- Silver is colorless and odorless.
- A silver-based solution is much easier for the dental practice to install and maintain.
- Best of all, **silver is simple and reliable.**





# IODINE VS SILVER: A SIDE-BY-SIDE COMPARISON

	IODINE	SILVER
<b>IFUs</b>	<ul style="list-style-type: none"><li>• Up to 258 steps to maintain annually</li></ul>	<ul style="list-style-type: none"><li>• 1 step annually</li></ul>
<b>Staining</b>	<ul style="list-style-type: none"><li>• Causes stains</li></ul>	<ul style="list-style-type: none"><li>• Does not stain</li></ul>
<b>Taste and odor</b>	<ul style="list-style-type: none"><li>• Has bad taste and bad odor</li></ul>	<ul style="list-style-type: none"><li>• No taste and no odor</li></ul>
<b>Oxidation and corrosion</b>	<ul style="list-style-type: none"><li>• It is oxidizing. It accepts transfer by accepting electrons from other substances (gains electrons). This causes accelerated corrosion, which can weaken equipment, reduce its lifespan, and potentially lead to malfunctions or leaks.</li></ul>	<ul style="list-style-type: none"><li>• It is non-oxidizing and non-corrosive. Silver is stable in a variety of water conditions (temperature and pH).</li></ul>
<b>Health and safety concerns</b>	<ul style="list-style-type: none"><li>• Improper handling of oxidizing agents can pose health and safety risks to dental staff. Some oxidizers may release fumes or vapors that can be irritating or harmful if inhaled. Appropriate personal protective equipment (PPE) and ventilation are essential when working with oxidizing agents.</li></ul>	<ul style="list-style-type: none"><li>• None</li></ul>
<b>Longevity</b>	<ul style="list-style-type: none"><li>• Efficacy declines after installation.</li></ul>	<ul style="list-style-type: none"><li>• It is long-lasting: One straw per year.</li></ul>





# INTRODUCING THE STERISIL STRAW

Sterisil has the only dental straw on the market that uses silver-ion technology. It is the only straw registered by the EPA for treatment to 10 CFU/mL, 20 times below the required efficacy threshold, with no odor, taste, or smell. Simple to maintain, the dental straw provides continuous treatment for DUWLs, and a single straw is guaranteed for 365 days.

## **SPECIFICATIONS:**

- The Sterisil Straw has a built-in shock treatment that releases automatically to kill pre-existing bacteria.
- Non-oxidizing silver ion technology.
- Quantified EPA claim of  $\leq 10$  CFU/ml HPC purity.



## What if waterline maintenance could be simple?

Sterisil® is the solution

**LEARN  
MORE  
about  
Sterisil  
here:**



“  
My patients  
notice a bad  
taste with  
iodine.”

“  
Why do 1 of  
every 3 tests  
fail?”

“  
Clean and  
reinstall the  
bottle every day  
- such a pain!”

“  
Wish there was  
something simpler  
and more reliable.”





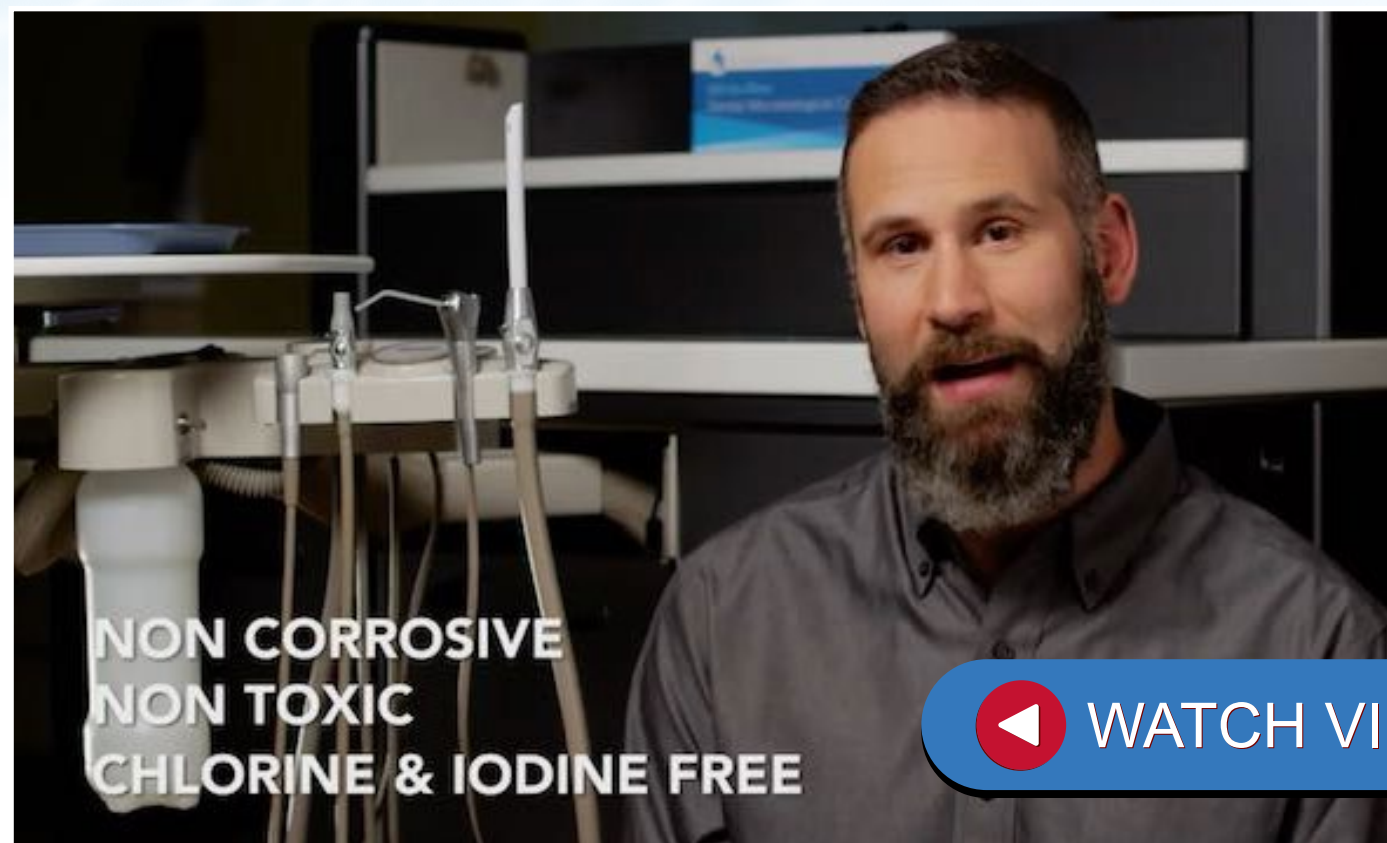
# INSTALLING AND USING THE STERISIL STRAW

With Sterisil Straws, the maintenance of your DUWLs is simple. It's just 1 step for 365 days. Compare that to the 258 maintenance steps per year if using iodine straws. Have a look at those IFUs and compare.



## KEY POINTS:

- The Sterisil Straw drastically reduces the number of steps needed for DUWL maintenance, reducing staff burden and increasing productivity.
- It has a Luer Lock fitting, reducing installation and replacement time down to a minute.
- The Sterisil Straw eliminates the hassle of dropping daily tablets and provides worry-free waterline disinfection for 365 days.



**WATCH**  
Learn  
more  
about the  
Sterisil  
Straw



**WATCH VIDEO**

# DENTAL UNIT WATERLINE MANAGEMENT

Sterisil has the only Smart Compliance Kit to make it simple to **shock, test, and maintain** with all the products needed for dental operatory infection control.

SHOCK	TEST	MAINTAIN
		
<ul style="list-style-type: none"> <li>• Citrisil Shock Tablets</li> </ul>	<ul style="list-style-type: none"> <li>• MyCheck In-Office Dental Water Test</li> <li>• StandardCheck Test Kit</li> <li>• RapidCheck Test Kit</li> </ul>	<ul style="list-style-type: none"> <li>• Sterisil Straw</li> <li>• Sterisil Cartridges</li> <li>• Sterisil Antimicrobial Bottle</li> <li>• Citrisil Maintenance Tablets*</li> </ul>

\*Sterisil Straw OR Citrisil Maintenance Tablets would be used, they do not both come in the Smart Compliance Kit.



# A COMPLETE OPERATORY SOLUTION FOR THE DENTAL PRACTICE

The Sterisil Straw is part of a complete Dental Water Solution available from Solmetex.



- Sterisil AC+



- Citrisil Shock
- Testing Kits
- Straw, Citrisil Tabs, Bottle



- DryShield Isolation Devices
- PowerSonic Ultrasonic Cleaning Solution



- NXT DryVac Tankless Dry Vacuum
- PowerScrub Vacuum Line Cleaner
- DryShield Isolation Devices



- NXT Hg5 Amalgam Separator
- NXT Collection Containers
- PWS Amalgam Bucket



- PWS Amalgam Bucket
- PWS Lead Bucket
- PWS Biohazard/Sharps Disposal Container



# HOW TO RECEIVE A WATER CONSULTATION WITH A SPECIALIST



Solmetex®  
Sterisil®  
DryShield®

## Solmetex Solutions Make Dental Water Simple



A system of solutions to manage the water  
in, through, and out of the practice.

Every  
Drop  
Matters™

Solmetex is the only provider of complete dental water safety solutions, offering a comprehensive range of proven products and expert support to assure clean, safe, and well-maintained water in, through and out of the dental office. Contact your Solmetex Water Specialist.



## Dentistry's Complete Provider of Water Solutions

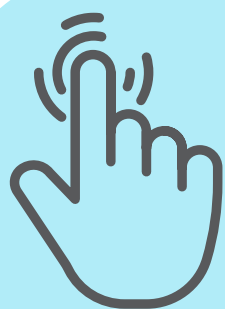
The Solmetex family of brands represents a **system of solutions to manage the water in, through, and out of the practice.** Working together, these solutions maintain water quality, safety and compliance for the dental practice.



## LEARN MORE

A new website for all your water solution needs

**LEARN  
MORE**  
Click to  
explore your  
complete  
water  
solution.



# ABOUT THE COMPANY

Recognized as the single trusted source of complete dental water quality, testing, maintenance, and procedural solutions, Solmetex is the category leader in dental water treatment and safety management in the US and international markets. Highly regarded as the best solution for regulatory compliance, Solmetex provides a comprehensive suite of proven products and expert support to assure clean, clear, safe, and well-maintained water in, through and out of the dental office. For more information, visit [www.solmetex.com](http://www.solmetex.com).

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*Inside*  
**Dentistry**

**EBOOKS**

THANK YOU TO OUR SPONSOR: SOLMETEX



**The first step to simplifying your  
waterline maintenance  
is taking 257  
fewer steps**

With 1 Sterisil® Straw and no daily maintenance for 365 days, spend more time on what matters – your practice success and patients' well-being.

**Choose Simple. Choose Silver. Choose Sterisil.**

 **Solmetex**  
Dentistry's Complete  
Provider of Water Solutions

**258**  
With Iodine<sup>1</sup>

TOTAL  
ANNUAL  
STEPS PER  
OPERATORY

**1**  
With Sterisil

<sup>1</sup> Data on file

 **STERISIL**



# Inside Dentistry®

## EBOOKS

### ADDITIONAL RESOURCES



Solmetex website



Connect with a Water  
Consultant



Dental Unit Waterline  
Management resources