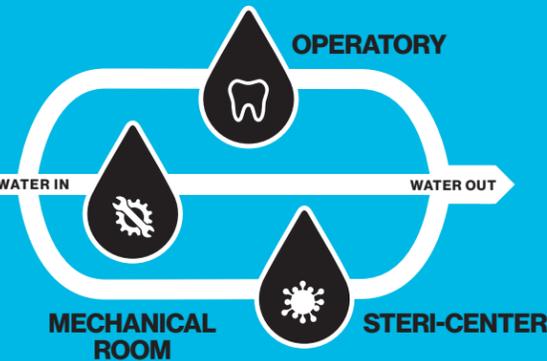
A large graphic of a water splash, with a clear stream of water moving from left to right across the middle of the page. Below the stream, numerous bubbles of various sizes are scattered throughout the water. The background is a gradient of light blue, and a large white semi-circle is positioned at the top, partially overlapping the water splash.

Water In, Water Out

**TOTAL DENTAL WATER
MANAGEMENT**

From waterline treatment to wastewater management, water quality affects nearly every function of modern dental offices.

Poor water quality can harm patients, staff and equipment — not to mention the reputation of your practice. Our comprehensive line of dental water products can help to improve patient care, staff productivity and practice profitability, while helping to maintain compliance* with regulatory guidelines.



OPERATORY

Dental Unit Waterline Treatment



DentaPure™ Cartridges
For independent water bottles and municipally plumbed dental units



VistaTab™ Dental Waterline Cleaner Tablets
For the cleaning and control of microbial contaminants in dental waterlines



Hu-Friedy Waterline Filter
For independent water bottles and municipally plumbed dental units



VistaClean™ Irrigant Solution Concentrate
For use during patient care, helps protect waterlines and equipment



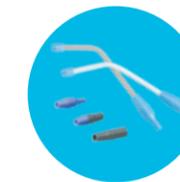
Liquid Ultra™ Solution
Multiple treatment options for cleaning/shocking bottle based systems

Evacuation Line Cleaning



Sani Vac™ Evacuation System Cleaner
Provides powerful enzymatic cleaning for optimal evacuation line performance

Backflow Prevention



Safe-Flo™ Saliva Ejectors and Valves
Provide backflow protection keeping patients safe from cross-contamination of the evacuation line

STERI-CENTER

Water Purification



VistaPure™ Water Purification System
Produces high-purity process water for filling sterilizers, dental bottles and more

Direct-to-drain Cooling



VistaCool™ Direct-to-Drain Cooling System for Autoclave Wastewater
Cools and drains autoclave wastewater automatically

MECHANICAL ROOM

Waterline Filtration and Treatment



VistaClear™ DP Centralized Waterline Treatment System
Filters water centrally for directly connected dental operatories, eliminating the need for dental bottles

DentaPure™ Cartridge EPA Reg No. 74245-5
Liquid Ultra™ Solution EPA Reg No. Bottle 1: 74245-6 and Bottle 2: 74245-7
Hu-Friedy Waterline Filter EPA Reg. No. 75372-1
VistaTab™ Dental Waterline Cleaner Tablet EPA Reg No 70060-25-75372

* Compliance with current EPA potable water standard of <500 CFU/mL.



OPERATORY

CHALLENGE

Microbial Growth in Dental Unit Waterlines (DUWLs)

The long and narrow design of DUWLs creates the perfect breeding ground for microbial growth. When untreated, or improperly maintained, the water flowing through these contaminated DUWLs and out through dynamic instruments used during treatment can potentially harm your patients, staff and practice reputation.

In recent years, headlines have brought attention to contaminated dental treatment water that resulted in the hospitalization and treatment for Mycobacteria (NTM) infections following pulpotomies in over 90 pediatric patients. However, the negative effects on overall health from contaminated treatment water is not limited to pediatric patients. Practitioners may not become aware of patient illness in the weeks following treatment as patients may not associate post-treatment illness with their dental visit. Just as important is the potential impact to clinicians from constant exposure to contaminated aerosol.

SOLUTIONS

Treating and Maintaining Dental Unit Waterlines



DentaPure™ Cartridges

- Provides, compliant* treatment water for 365 days, or 240L of water.
- Elutes non-allergenic elemental iodine into treatment water to reduce patient and staff bacterial exposure.¹
- EPA approved to meet ≤200 CFU/mL / FDA 510k registered.
- Cartridges available for dental units with independent water bottles, or units direct plumbed to city water.
- Use is not restricted by the EPA rule BMP for dental amalgam wastewater.²



Hu-Friedy Waterline Filter

- Continuously works to deliver clean water to patients and staff for one year (or 240L of water).
- Inhibits growth of microbial contamination in dental waterlines.
- EPA approved to meet ≤200 CFU/mL.
- Features a convenient, ready-to-use cartridge that is easy to install.
- Use is not restricted by the EPA rule BMP for dental amalgam wastewater.²



Liquid Ultra™ Solution

- Powerful DUWL cleaner/shock with multiple treatment options for external bottle systems.
- Kills biofilm bacteria; removes existing biofilm and prevents/suppresses formation of biofilm in DUWLs.
- Use is not restricted by the EPA rule BMP for dental amalgam wastewater.²



VistaTab™ Dental Unit Waterline Cleaner Tablets

- Antimicrobial tablets used for the cleaning and control of microbial contaminants in dental unit waterlines.
- When placed in water, the solid tablet quickly dissolves to create an easy-to-use solution.
- Use is not restricted by the EPA rule BMP for dental amalgam wastewater.²

CHALLENGE

Scale and Deposits in Dental Unit Waterlines

A well-known best practice is to first clean, then disinfect. Using a maintenance irrigant cleaning product will help to clean waterlines and equipment from deposits and scale that build up overtime. If they are not properly cleaned, the buildup of deposits and scale in the waterlines can contribute to contamination.

SOLUTION

Maintaining Dental Unit Waterlines



VistaClean™ Irrigant Solution Concentrate

- Daily solution derived from organic citrus botanicals that can be used during patient care.
- Helps prevent waterlines and equipment from deposits and scale.
- Works to emulsify contaminants that can build up in waterlines.
- Listed with the FDA as a Class I Medical Device.

CHALLENGE

Cross-contamination from Backflow

Backflow in evacuation lines can occur when a patient closes their lips around the tip of a saliva ejector; the saliva ejector tip becomes occluded from a blockage; suction tubing is positioned above the patient's mouth; or during simultaneous use of other evacuation (HV) equipment³. Backflow could potentially occur 21% of the time⁴ (1 in 5 patients), which can lead to the risk of cross-contamination of residual saliva, blood or other potentially infectious material from previous patients.

SOLUTION

Backflow Prevention



Safe-Flo™ Saliva Ejectors and Valves

- Unique, built-in, one-way valve provides a physical barrier to prevent backflow.
- Integrity of suction and performance is not affected - no need to change how you work.
- Available as a complete saliva ejector valve system or adapter valve for use with your preferred saliva ejector or HVE tip brand.

CHALLENGE

Sluggish Evacuation Lines

Maintenance of the entire vacuum system needs to be considered. Untreated evacuation lines form clogs and can become sluggish from the build-up of debris, which can have an effect on the productivity and efficiency of a dental practice. Routine cleaning can help maintain optimal suction and prevent unnecessary downtime and costly line repairs.

SOLUTION

Evacuation Line Maintenance



Sani Vac™ Evacuation System Cleaner

- Unique, multi-proteolytic enzyme formula efficiently neutralizes odor and removes a wider range of dental debris than surfactants alone.
- Non-oxidizing, pH-neutral solution meets the EPA rule BMP for dental amalgam waste.²
- Used daily or after each patient helps avoid downtime and costly line repairs.
- Treat up to 384 lines per gallon bottle.
- Ideal for use in both wet/dry vacuum systems and amalgam separators.

Hu-Friedy Waterline Filter EPA Reg. No. 75372-1
 VistaTab™ Dental Waterline Cleaner Tablet EPA Reg No 70060-25-75372
 DentaPure™ Cartridge EPA Reg No. 74245-5 and FDA 510K #K992893
 Liquid Ultra™ Solution EPA Reg No. Bottle 1: 74245-6 and Bottle 2: 74245-7
 * Compliance with current EPA potable water standard of <500 CFU/mL.

DUWL maintenance is a key component of any dental waterline treatment program.



STERI-CENTER

CHALLENGES

Sterilization

Even treated city water isn't pure enough for sterilizing dental instruments, because of the presence of dissolved mineral content and other contaminants in the water. This is why many dental offices spend time and money purchasing and storing jugs of purified water to fill their autoclaves and bottle systems. That gets expensive, time-consuming, and really inconvenient.

Instrument Washers

Some municipal water quality can be so poor that it can damage dental instruments inside instrument washers. The interaction of water contaminants, oxygen and high heat can create an environment susceptible to oxidation, which can cause discoloration, spotting and even corrosion of dental instruments over time.

SOLUTION

Water Purification

VistaPure™ Water Purification System

- Produces two grades of high-purity water for autoclaves, dental bottles, ultrasonic cleaners and the rinse cycle of instrument washers.
- Connects directly to the city water supply and sends purified water anywhere it's needed in the steriocenter for easy, on-demand use.
- Optional, patented autofill devices replenish SciCan STATIM® Autoclave and BRAVO™ Autoclave reservoirs automatically, enabling truly hands-free convenience.
- Optional adapter kit sends high-purity water to instrument washers with final-rinse ports to help protect dental instruments from poor-quality water.



CHALLENGE

Autoclave Wastewater

The wastewater produced during the process of steam sterilization can also be problematic. Many autoclaves discharge steaming-hot condensation after each sterilization cycle, which is typically collected in a bottle that dental staff members must monitor continuously and empty manually throughout the week. Not only is this process time-consuming and inefficient, but steam and spills from condenser bottles can also damage sterilization center cabinetry.

SOLUTION

Autoclave Wastewater Management

VistaCool™ Direct-to-Drain Cooling System for Autoclave Wastewater

- Protects drains by preventing autoclave wastewater from melting plumbing.
- Protects cabinets by helping to prevent mildew, rot, rust and delamination caused by spills and humid environments created by autoclave condenser bottles.
- Saves staff time by eliminating the need for staff to empty steaming-hot water bottles manually.
- Once properly installed, this self-regulating system requires no user maintenance.



Treated city water isn't pure enough for sterilizing dental instruments.



MECHANICAL ROOM

CHALLENGE

While not often at the forefront of practitioners' minds, the mechanical room is the backbone of the practice and vital to providing high-quality patient care. As such, investing in high-quality equipment is crucial to the success of the practice.

Direct Connections to Delivery Systems

Many practices prefer the convenience of connecting their dental delivery systems directly to a municipal water source. While direct connections can be more efficient than filling dental bottles, this approach can be problematic if not thoroughly assessed. Many local code authorities do not allow direct connections to the public water supply unless expensive backflow prevention devices are installed for each operatory. Practices with direct water connections can also lack adequate filtration and are usually unable to administer periodic antimicrobial cleaner/shock treatments to their dental unit waterlines.

SOLUTIONS

Waterline Filtration and Treatment

VistaClear™ DP Centralized Waterline Treatment System

This system filters water centrally for directly connected dental operatories, eliminating the need for dental bottles.

- Features micron-level water filtration, CSA-certified backflow prevention and a method for delivering antimicrobial shock treatments if needed.
- Provides a method for delivering compliant*, on-demand procedural water with reduced microbial contamination (<200 CFU/mL) and odor-causing bacteria buildup with the EPA registered DentaPure™ Cartridge.
- Eliminates the need for dental bottles and water-storage tanks.
- Eliminates the need for purchased water and waterline tablet treatments for bottle systems.



DentaPure™ Cartridge

- Designed to treat waterlines for up to 10 operatories for one-year, or 2,400L of water.

Eliminate quarterly maintenance.

Practices that already own an earlier-model VistaClear™ Centralized Water Filtration System can replace its filters with a new annual replacement that includes a DentaPure™ Cartridge.

The DentaPure™ Cartridge eliminates the need for quarterly cleaning/shocking protocols and ensures water quality.



The mechanical room is the backbone of the practice.

DentaPure™ Cartridge EPA Reg No. 74245-5

* Compliance with current EPA potable water standard of <500 CFU/mL.

PRODUCT ORDERING INFORMATION

To order, please contact your preferred distributor.

OPERATORY

| Part Code | Description | Quantity |
|------------------|---|-------------|
| DP40B | DentaPure™ 60 day Independent Water Bottle Cartridge | Each |
| DP365B | DentaPure™ 365 day Independent Water Bottle Cartridge | Each |
| DP365M | DentaPure™ 365 day Municipal Cartridge | Each |
| DPTEST | 50 Iodine Test Strips | 1 Bottle |
| DS503L | Liquid Ultra™ Solution, Each set contains 1 bottle of solutions 1 & 2 | 10 Sets/Box |
| M1000WHBU | Safe-Flo™ Saliva Ejector, White | 100/Bag |
| M1001CLBU | Safe-Flo™ Saliva Ejector, Clear | 100/Bag |
| M1010SUSE | Safe-Flo™ SE Valve, Blue | 100/Bag |
| M1030HVSE | Safe-Flo™ HV Valve, Gray | 100/Bag |
| M1020ADAP | Safe-Flo™ Adapter, Blue/Gray | 50/Bag |
| JVAC | Sani Vac™ Evacuation System Cleaner | 1 Gallon |
| IMS-1440 | Hu-Friedy Waterline Filter | Each |
| IMS-1451 | VistaTab™ Dental Waterline Cleaner Tablets, Box of 15 Tablets | Each |
| IMS-1452 | VistaClean™ Irrigant Solution Concentrate, 1 fl. oz. | Each |

STERI-CENTER

| Part Code | Description | Quantity |
|----------------|--|----------|
| CVV3000 | VistaPure™ Water Purification System | Each |
| CVV7501 | VistaCool™ Direct-to-Drain Cooling System for Autoclave Wastewater, Single-Autoclave | Each |
| CVV7502 | VistaCool™ Direct-to-Drain Cooling System for Autoclave Wastewater, Double-Autoclave | Each |

MECHANICAL ROOM

| Part Code | Description | Quantity |
|-------------------|--|-------------------------------------|
| CVV1000-DP | VistaClear™ DP Centralized Waterline Treatment System | Each |
| CVR365VC | Annual Replacement Kit for VistaClear™ DP Centralized Waterline Treatment System | 1 Filter and 1 DentaPure™ Cartridge |
| CVR365HP | Annual Replacement Kit for VistaClear™ Centralized Water Filtration System | 1 Filter and 1 DentaPure™ Cartridge |

CUSTOMER SUPPORT

Customer Support
1-800-Hu-Friedy
Hu-Friedy.com
care@hu-friedy.com

Infection Control Hotline
1-8558-STERILE
8:00am - 5:00pm (MST)

Vista Technical Support
1-800-531-2221
ccacutron@hu-friedy.com

DUWL Technical Support
(631) 257-1033
dentapuretechnical@crosstex.com

1) Schabelman E., Witting M. The relationship of radiocontrast, iodine, and seafood allergies: a medical myth exposed, J Emerg Med. 2010 Nov;39(5):701-7. doi: 10.1016/j.jemermed.2009.10.014. Epub 2010 Jan 4.
2) www.epa.gov/eg/dental-effluent-guidelines 3) Center for Disease Control and Prevention. Guidelines for Infection Control in Dental Health Care Settings-2003. MMWR 2003;52 (no. RR-17); [31]. 4) Miller C. Back flow in low-volume suction lines may lead to potential cross-contamination. RDH. 1996; 16(1):30.

Hu-Friedy Mfg. Co., LLC, 3232 N. Rockwell St., Chicago, IL 60618 | www.hu-friedy.com

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