

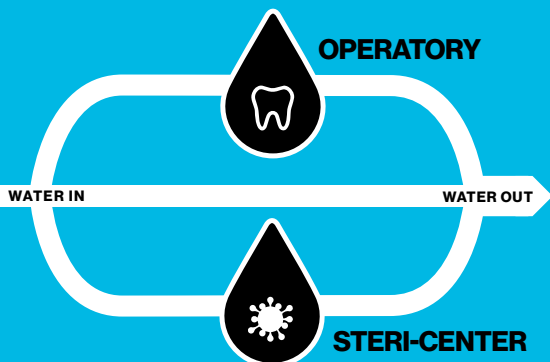
# Water In, Water Out

**TOTAL DENTAL WATER  
MANAGEMENT**

Hu-Friedy and Crosstex are now proud members of  **HuFriedyGroup**  
The Best In Practice

# 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.



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

# 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

## Dental Unit Waterline Testing



### Dental Waterline Test Service

Provides accurate results from a third-party, ISO 17025 accredited lab plus access to extensive resources and our comprehensive expertise

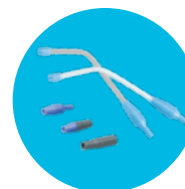
## Evacuation Line Cleaning



### 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

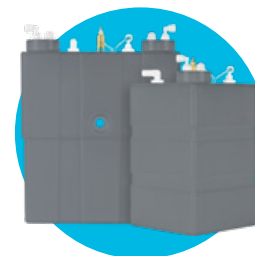
## Water Purification



### 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

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





# 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, Maintaining, and Testing 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.<sup>1</sup>
- EPA approved to meet  $\leq 200$  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.<sup>2</sup>



#### 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  $\leq 200$  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.<sup>2</sup>



#### 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.<sup>2</sup>



#### 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.<sup>2</sup>

### Dental Waterline Test Service



- Testing is conducted by an ISO 17025:2017 accredited laboratory with unbiased results.
- Online member portal provides a single location to track your water samples; retrieve and historically track test results.
- Everything that you need is included with the kit: test vials, shipping materials and pre-paid shipping.
- Our laboratory utilizes the R2A Agar method (9215C) from Standard Methods for Evaluation of Water and Wastewater published by the American Water Works Association (AWWA).

## 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) equipment<sup>3</sup>. Backflow could potentially occur 21% of the time<sup>4</sup> (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.<sup>2</sup>
- 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

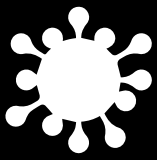
VistaTab™ Dental Waterline Cleaner Tablet EPA Reg No 70060-25-75372

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 stericenter for easy, on-demand use.
- Optional, patented autofill devices replenish SciCan STAT/M® 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.**

# PRODUCT ORDERING INFORMATION

To order, please contact your preferred distributor.

## OPERATORY

Part Code	Description	Quantity
<b>DP40B</b>	DentaPure™ 60 day Independent Water Bottle Cartridge	Each
<b>DP365B</b>	DentaPure™ 365 day Independent Water Bottle Cartridge	Each
<b>DP365M</b>	DentaPure™ 365 day Municipal Cartridge	Each
<b>DPTEST</b>	50 Iodine Test Strips	1 Bottle
<b>DS503L</b>	Liquid Ultra™ Solution, Each set contains 1 bottle of solutions 1 & 2	10 Sets/Box
<b>M1000WHBU</b>	Safe-Flo™ Saliva Ejector, White	100/Bag
<b>M1001CLBU</b>	Safe-Flo™ Saliva Ejector, Clear	100/Bag
<b>M1010SUSE</b>	Safe-Flo™ SE Valve, Blue	100/Bag
<b>M1030HVSE</b>	Safe-Flo™ HV Valve, Gray	100/Bag
<b>M1020ADAP</b>	Safe-Flo™ Adapter, Blue/Gray	50/Bag
<b>JVAC</b>	Sani Vac™ Evacuation System Cleaner	1 Gallon
<b>IMS-1440</b>	Hu-Friedy Waterline Filter	Each
<b>IMS-1451</b>	VistaTab™ Dental Waterline Cleaner Tablets, Box of 15 Tablets	Each
<b>IMS-1452</b>	VistaClean™ Irrigant Solution Concentrate, 1 fl. oz.	Each
<b>IMS-2004</b>	Dental Waterline Test Kit, HPC Lab Test - 4 vials	Each
<b>IMS-2008</b>	Dental Waterline Test Kit, HPC Lab Test - 8 vials	Each
<b>IMS-2016</b>	Dental Waterline Test Kit, HPC Lab Test - 16 vials	Each

## STERI-CENTER

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

## 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.

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