



Descal-A-Matic[®]
The Better Way to Treat Water
Environmentally Green

Proven results since 1970

Water Management Without Chemicals

Environmentally Responsible Solutions for Water Treatment Problems

Descal-A-Matic® provides water treatment technology that keeps equipment clean. With Descal-A-Matic®, performance and efficiency are improved, and the high cost of pollution cleanup is eliminated.

For more than 30 years, Descal-A-Matic® has provided environmentally sound solutions to water treatment problems in a wide range of installations throughout industry and government.

Descal-A-Matic® Fluid Conditioners eliminate scale build-up and corrosion in pipes and tubes without chemical additives. They provide a simple and economic solution to pipe scaling in cooling towers, boilers, heat exchangers, condensers, washing systems, spray nozzles, and a long list of other equipment.



Benefits:

- Prevents Scale and Inhibits Corrosion without Chemical Additives
- Maintains Clean Equipment Resulting in Reduced Energy Costs
- Facilitates EPA/OSHA Compliance
- Eliminates the Discharge of Toxic Chemicals
- Reduces Operation Costs of Handling, Storage and Disposal of Chemicals
- Eliminates Monitoring and Balancing of Chemicals
- Reduces Water and Sewer Costs in Open Cooling Operations

Prevents Scale Build-Up

The internal core of the Descal-A-Matic® is made up of permanent magnets that are aligned and spaced so that the alternating magnetic fields will have maximum effect on water as it passes through.

Scientific studies conducted for the U.S. Department of Energy showed that after exposure to the magnetic field, molecules that cause scale tend to remain in fluid suspension instead of attaching to pipe walls and other surrounding surfaces.

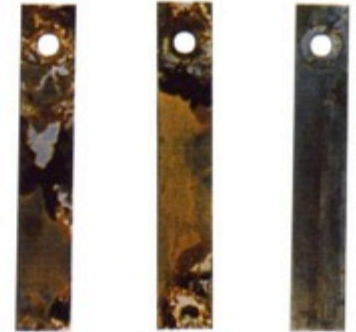


Inhibits Corrosion

Reduced corrosion is another valuable advantage of the Descal-A-Matic®. As reported in a Tulane University study, "The National Aeronautics and Space Administration (NASA) tested magnetically treated water against chemically treated water for corrosion rates of steel corrosion coupons placed in two water systems.

Reported results were excellent with corrosion rates of one to fifty mils per year using chemical inhibitors, with four mils per year to be considered acceptable, while corrosion rates of 0.0 mils per year were recorded for the magnetic treatment."

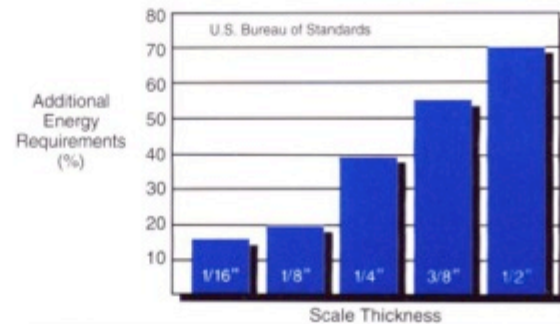
Corrosion test coupons on the right show conventional chemical treatment on coupons A and B and Descal-A-Matic® water treatment on coupon C.



Coupon A Coupon B Coupon C

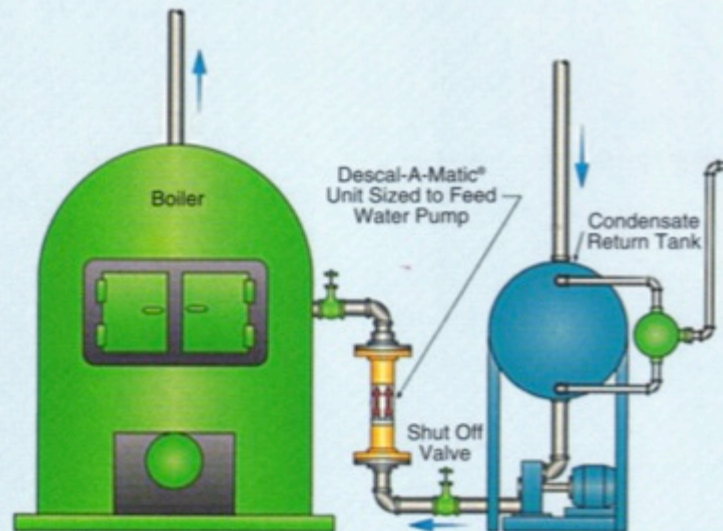
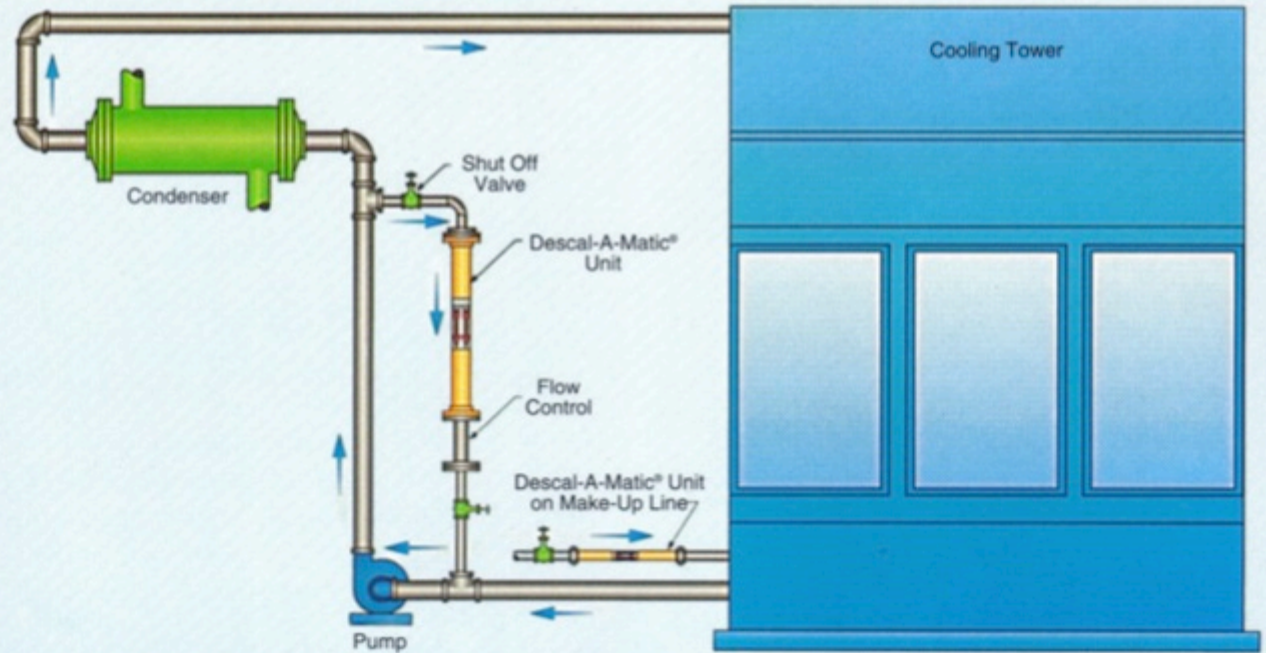
Improves Operation Efficiency

The real value of any water management program is efficient equipment operation. Even a small amount of scale build-up can greatly reduce efficiency resulting in increased energy cost. The chart on the right shows the correlation between the increase in scale and energy cost.



Commercial
HVAC
Applications

Installations



Applications:

- Cooling Towers and Evaporative Condensers
- Boilers
- Heat Exchangers
- Closed Loop Systems
- Vacuum Pumps
- Straight-Thru Systems



EISENHOWER MEDICAL CENTER

39000 Bob Hope Drive
Rancho Mirage, California 92270

March 19, 2010

Descal-A-Matic Corporation
Ernie Florestano

I just wanted to thank your firm for supplying the Descal-A-Matic to the Eisenhower Medical Center, La Quinta California.

We were faced with a situation where the Coachella Valley Water District would not allow the discharge of chemically treated water into their system. The costs we were facing to dig a holding pond or build a holding tank would have been in excess of \$250,000.00. The problem was then, how to get rid of the effluent water. Trucking and disposal would have been an ongoing cost of at least \$250,000.00 per year. Along comes Descal-A-Matic, the chemical free way to treat water.

Not only was your product a savings in the original plan as compared to the similar products out there. But the ongoing benefits are unbelievable, return on investment, maintenance and water savings just to name a few.

Since the system was installed in September of 2009 we have saved 75% of the water compared to chemical treatment. We also use the discharge water in our irrigation system, so we really don't lose any water once we buy it.

Feel free to have anyone you like contact me and I will be glad to talk to them

Thanks,

Sincerely,

Charles B. Morris

Project Manager

Eisenhower Ambulatory Care Center



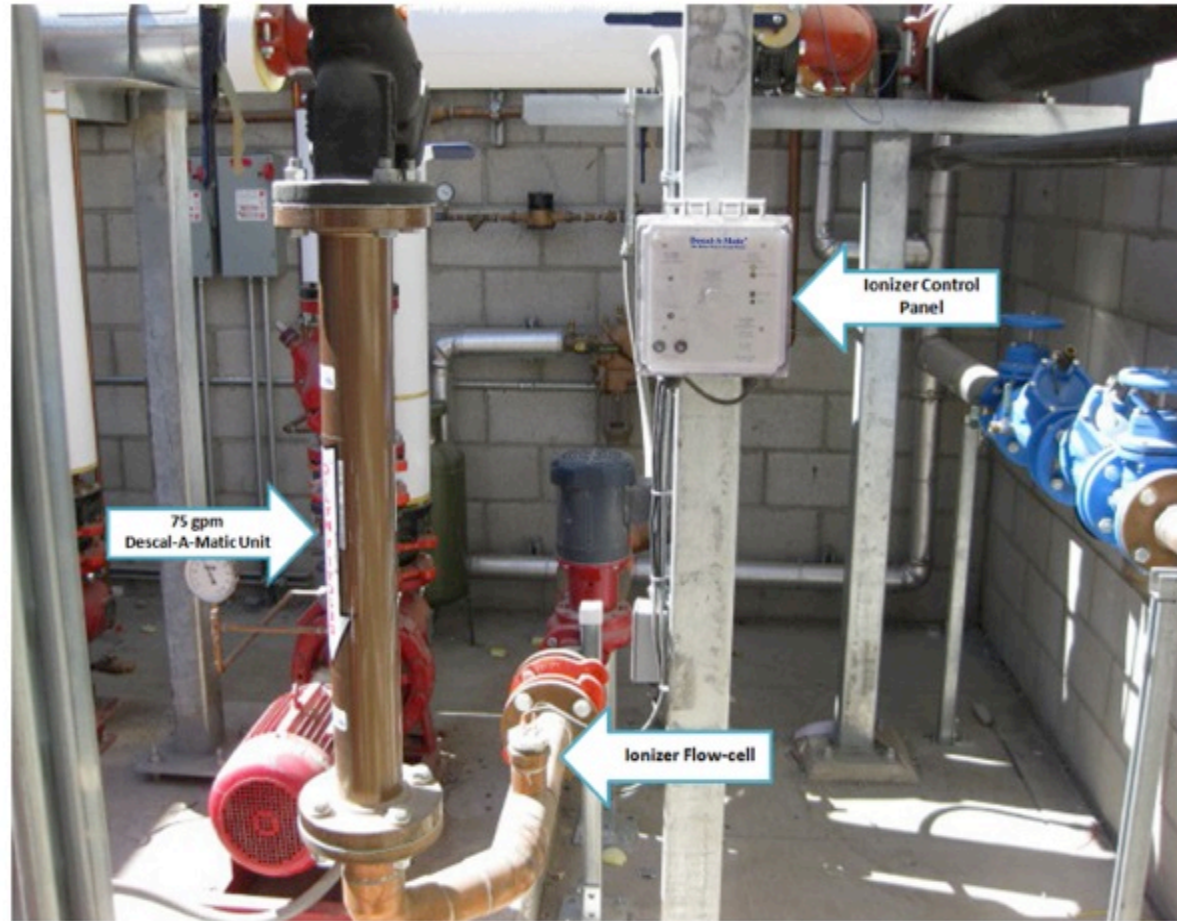
Eisenhower Medical Center (93,000 sq.ft)
In La Quinta, Southern California



Two 200 gpm, 4" flanged Descal-A-Matic Units installed in parallel, treating the 4" main water supply line to the 93,000 sq.ft. Eisenhower Medical Center

Descal-A-Matic®

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75 gpm, 3" flanged Descal-A-Matic Unit installed on a "by-pass" to the common re-circulating line to 2 EVAPCO cooling towers. For the non-chemical control of hard water scale and corrosion. Control Panel and Flow-cell for the Cu/Ag Ionizer Unit. For the non-chemical control of algae, bacteria, legionella and other harmful micro-organisms in the EVAPCO cooling tower systems.



"Advantage" Auto Bleed Control from 2 EVAPCO Cooling Towers. Saves this client TONS of money in water savings.

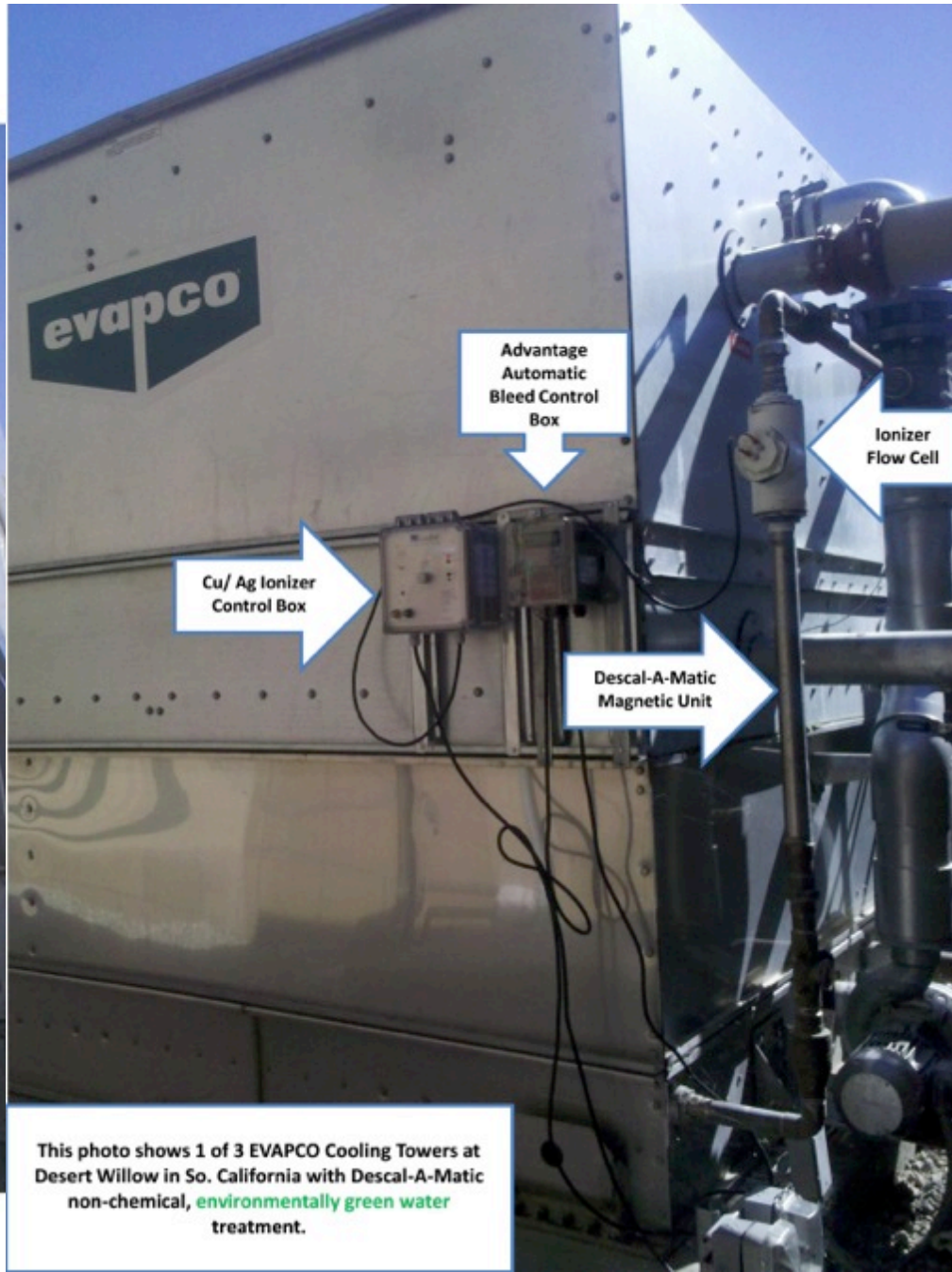
Descal-A-Matic®

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One of the two EVAPCO Cooling Towers at the Eisenhower. 93,000 sq.ft. Medical Facility in La Quinta in So. California.



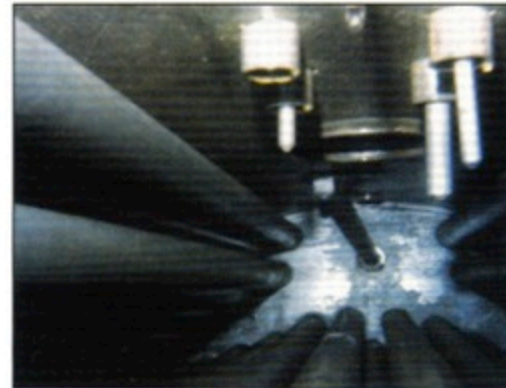
This photo shows 1 of 3 EVAPCO Cooling Towers at Desert Willow in So. California with Descal-A-Matic non-chemical, environmentally green water treatment.

Descal-A-Matic®
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Environmentally Green

Descal-A-Matic®



Portsmouth Housing Authority
Portsmouth, Virginia



Portsmouth Housing Authority
Waterside of 200 hp Kewanee fire tube Boiler
after 3 years with Descal-A-Matic® only.

City of Norfolk Public Schools

School Plant Facilities

966 Bellmore Avenue
Norfolk, Virginia 23504

September 9, 2003

Mr. Norman Powers
Descal-A-Matic Corporation
4855 Brookside Court
Norfolk, Virginia 23502

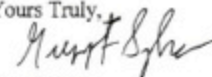
Dear Norman:

The other day you were asking about the history behind our use of the two Descal-A-Matic Magnetic Water Conditioners that we use for water treatment to our two 150 HP Bryan Water tube Steam Boilers. For your information we purchased your product (2 Each Model DI-8120 (20 gpm) Magnetic Water Conditioners) in 1984 when we were informed that they would allow us to provide water treatment to our steam boilers without using chemicals. As you are aware, this building serves as a central food kitchen for the Norfolk Public Schools and we were concerned with using chemicals near where the food is being processed.

When the two Descal-A-Matic Units were installed in 1984 we discontinued the use of chemicals and the boiler tubes have remained completely free of scale. They contributed to a big reduction in boiler maintenance and since we have not had to purchase any chemicals in the last 19 years they have reduced operating costs drastically.


This letter is being written in my position as the Supervisor of the Boiler Plant.

Yours Truly,



Greg Sykes
Supervisor, Boiler Plant

Same units
still protecting
the boiler
systems to
this day.



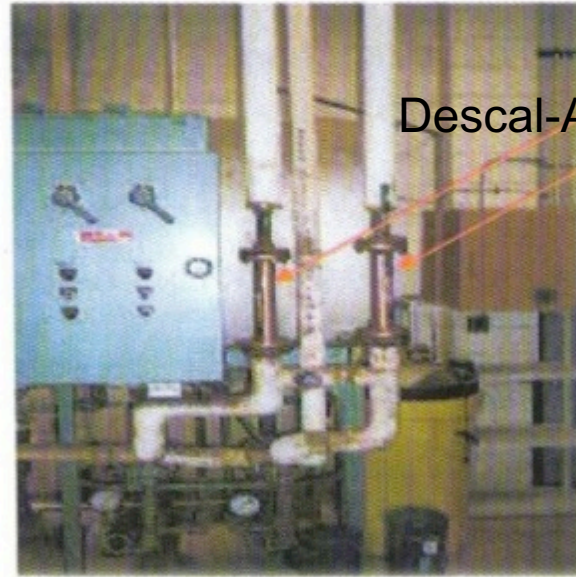
School Food Service Steam Boilers & Descal-A-Matic®



- Chemical-free water treatment for boilers at the centralized food service kitchen.
- Successful boiler protection since 1984 (26 years) without scale and corrosion.



- Two Descal-A-Matics®, one for each boiler, are installed in-line on feed water.
- Eliminates toxic disposals common with chemical treatment blow downs.



Descal-A-Matic Units

ADDITION TO CENTRAL HEAT PLANT
CITY OF VIRGINIA BEACH

Engineer: Bowman, Foster & Associates, P.C. Contractor: Reid Associates, Inc. Major Supplier:
Damuth Trane Services of Virginia Beach
Trane Chillers and Control Systems

April 15, 1992

System Description

The new addition to the Central Plant at Virginia Beach Municipal Center is designed to provide additional cooling and heating capacity for new construction projects at the Municipal Center and to reduce operating costs.

The cost reduction is accomplished through the use of new high efficiency water chillers and the use of Thermal Energy Storage System in the form of 60 ice tanks, and the use of Descal-A-Matic® Magnetic, Non-Chemical Water Treatment for scale and corrosion control and CopperSilver Ion Treatment for algae and micro-organism control.

A computerized Central Plan Automation System manages the operating sequence of ice build and burn, with equipment control strategy to achieve optimum savings. Based on Virginia Power rate schedule 6TSCM, demand charges are reduced by approximately \$125.00 per year for every kW demand shifted from on-peak to off-peak demand hours.

The system is designed to shift 800kW demand, to yield a savings of approximately \$100,000 annually. After some fine tuning of the controls, the system is attaining a 1,000 kW demand shift, to yield a savings of \$125,000 annually.

In addition to the chiller and ice systems, the existing plant was converted to a primary secondary chilled water pumping system and all the boilers were converted to fire natural gas and fuel oil. Natural gas was used last winter and proved to be approximately 25% more efficient than the fuel oil used in the past. Also, with the installation of Descal-A-Matic® units a savings of approximately \$60,000 per year can be obtained through less water bleed-off and the discontinuance of chemicals for the cooling towers and the closed systems.

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Descal-A-Matic

at

City of Virginia Beach Municipal Center
Virginia Beach, Virginia



Six Imeco cooling towers (3500 tons) serve three (3) Trane High Efficiency water chillers and their Thermal Energy Storage System in the form of 60 ice tanks.

- ⇒ Descal-A-Matic installed on cooling towers in May 1992.
- ⇒ Magnetic water conditioners and CopperSilver systems.
- ⇒ Controls scale, corrosion, algae and bacteria.
- ⇒ Eliminates requirements for chemicals.



Ernie Florestano, President of Descal-A-Matic in front of Chiller #3 opened for inspection on January 28, 1995. Trane engineer and City of Virginia Beach personnel were present for the opening and inspection.

They were very pleased.

Close-up of tubes of Trane Chiller #3 showing how very clean they are after three (3) years with only Descal-A-Matic and CopperSilver treatment.



March 1998, (Seven cooling seasons of use), an Eddy Current test/inspection was performed. **No** defects were found. The test is used "To evaluate support wear, transverse cracks, longitudinal cracks, erosion, bulging and corrosion". ***Not a single tube showed any defects.***



August 1994 Descal-A-Matic Magnetic Water Conditioners were installed on their six (6) hot and chilled water loops. The picture above shows the installation between the discharge and suction lines of two (2) of these loops. The Descal-A-Matic units are hidden under insulation for water treatment for the two (2) closed loops. This is a typical installation in that the Descal-A-Matic units are installed "around the pump".

Descal-A-Matic ® | 4855 Brookside Court Norfolk, Virginia 23502 | (757) 858-5593 | Fax: (757) 853-3321
E-mail : descal@worldnet.att.net

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Descal-A-Matic®

at
Bureau of Census, Bldg.4, Suitland, MD



General Services Administration
National Capital Region
Washington, DC 20407



May 1, 1990

MEMORANDUM FOR RICHARD JOHNSTONE
CHIEF, MAINTENANCE MANAGEMENT SECTION, WPBOM

THRU: JEROME KAPLAN
MANAGER, EAST DISTRICT, WPBH

FROM: CARL C. VOTTELER *Carl C. Votteler*
BUILDING MANAGER
SUITLAND FIELD OFFICE, WPBES

SUBJECT: Magnetic Water Treatment

Attached are before and after photographs of the chiller condensers in Federal Building #4 following installation of a Descal-A-Matic non-chemical water treatment system. The system was installed in the spring of 1989 in an effort to reduce chemical, maintenance, and energy costs.

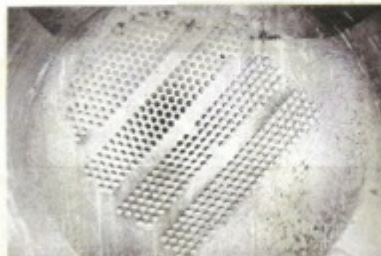
The system worked very well and as the photographs show, the condenser tubes were scale free at the end of the test period. There was no need to acid clean the tubes this year. We feel the improved efficiency of the system contributed significantly to our winning this year's energy conservation award for large field offices.

We are very pleased with the results and highly recommend the Descal-A-Matics on other water systems to prevent scale. Our test of another magnetic water treatment device which clamps on to existing pipes was inconclusive. I believe that the key to a location and sizing the magnets to the GPM flow rate and water hardness. A one size fits all applications approach will not work well.

The Descal-A-Matic was purchased off the New Item FSS Schedule. Installation was done by Arctic Refrigeration, 4930 Little Court, Ellicott City, Maryland 21043.



Machine Room



Before Descal-A-Matic®



Inside Cooling Tower



In 1989 Descal-A-Matic® water conditioning units and a CopperSilver™ unit were installed in the Bureau of the Census to reduce scale buildup in their air conditioning condensers. The "before" photos show the internal service condition of the condensers before the Descal-A-Matic® system was installed.

The system was opened for inspection in early 1991, after 2 years of service with Descal-A-Matic®. These "After" photos show the internal surfaces of the condensers and cooling tower to be remarkably clean and free of scale build-up.

Descal-A-Matic®

The Better Way to Treat Water

Environmentally Green

Now installed in
over 20
structures in
Seattle metro
area

Descal-A-Matic®

at Martin Selig Real Estate - Seattle, Washington



March 5, 1991

Mr. Ernie Florestano
1516 Springmeadow Blvd.
Norfolk, VA 23518

RE: Descal-A-Matic

Dear Ernie,

Since 1984, we have installed Descal-A-Matic units in six of our new buildings. Each of the buildings have a hydronic heat pump heating and cooling system. These systems have a closed loop circulating system that the Descal-A-Matic is installed in. The buildings range in size from 100,000 square feet up to 1,500,000 square feet. Some of the buildings we do not own, but in those that we do own the systems are working very well and the water in the closed loop system is crystal clear and the heat transfer is excellent.

In another application on an older building we have a Baltimore air coil closed fluid cooler cooling tower. The heat exchanger tubes and inside walls of the tower had a buildup of calcium forming from the sump water that was circulating over the tubes for heat transfer. We installed a Descal-A-Matic size DC-12 on a bypass loop on the sump pump of the cooling tower. We regulated the flow of water, not to exceed 12 gallons per minute of flow, and within 3 weeks the calcium was starting to flake off.

As you can see we will always install Descal-A-Matic units on any new project that we build.

Sincerely,

Clyde Jones
Director of Facilities Engineering and Environmental Services
CJ/11m

1000 SECOND AVENUE
SUITE 1800
SEATTLE, WASHINGTON 98104-3346
(206) 467-7000
FAX (206) 386-5296



Key Tower Building

Since 1984, Martin Selig Real Estate has installed Descal-A-Matic® units in six of its new buildings. Each of the buildings has a hydronic heat pump heating and cooling system. These systems have a closed loop circulating system that have Descal-A-Matic® units installed. The buildings range in size from 100,000 square feet up to 1,500,000 square feet.

Martin Selig always installs Descal-A-Matic® units in any new project that it builds.



Columbia Center Building Maintenance Engineer
and Descal-A-Matic® unit



Metropolitan Park East (at left)



Key Tower Building and Columbia Center (tallest building at right)



Descal-A-Matic® unit (at far left) installed in one of the many hydronic systems at Columbia Center

Descal-A-Matic Non-Chemical Water Treatment
Selected For The World War II Memorial



Descal-A-Matic technology has been protecting the National WWII Memorial since its opening in 2004. Our technology treats over 411,000 gallons of water in three Memorial reflective pools. This system is used to control scale, corrosion, algae, and bacteria, avoiding the use of harsh chemicals where people gather. Two 800 gpm and one 300 gpm units, along with three Copper/Silver IONization units make up this system of protection.

Other facilities utilizing Descal-A-Matic technology to protect decorative water features include:

- The Hirshorn Museum in Washington DC
- The National Gallery of Art Sculpture Garden
- The J. Paul Getty Museum in Los Angeles CA
- The Mormon Tabernacle Tower in Salt Lake City UT
- The Kowloon Station in Hong Kong China
- An IBM building in Maryland
- Princeton University NJ
- Kutztown University PA
- And many more



Construction Progress (Sep. 25, 2003)



WWII Memorial Descal-A-Matic Systems

DESCAL-A-MATIC® INTERNATIONAL

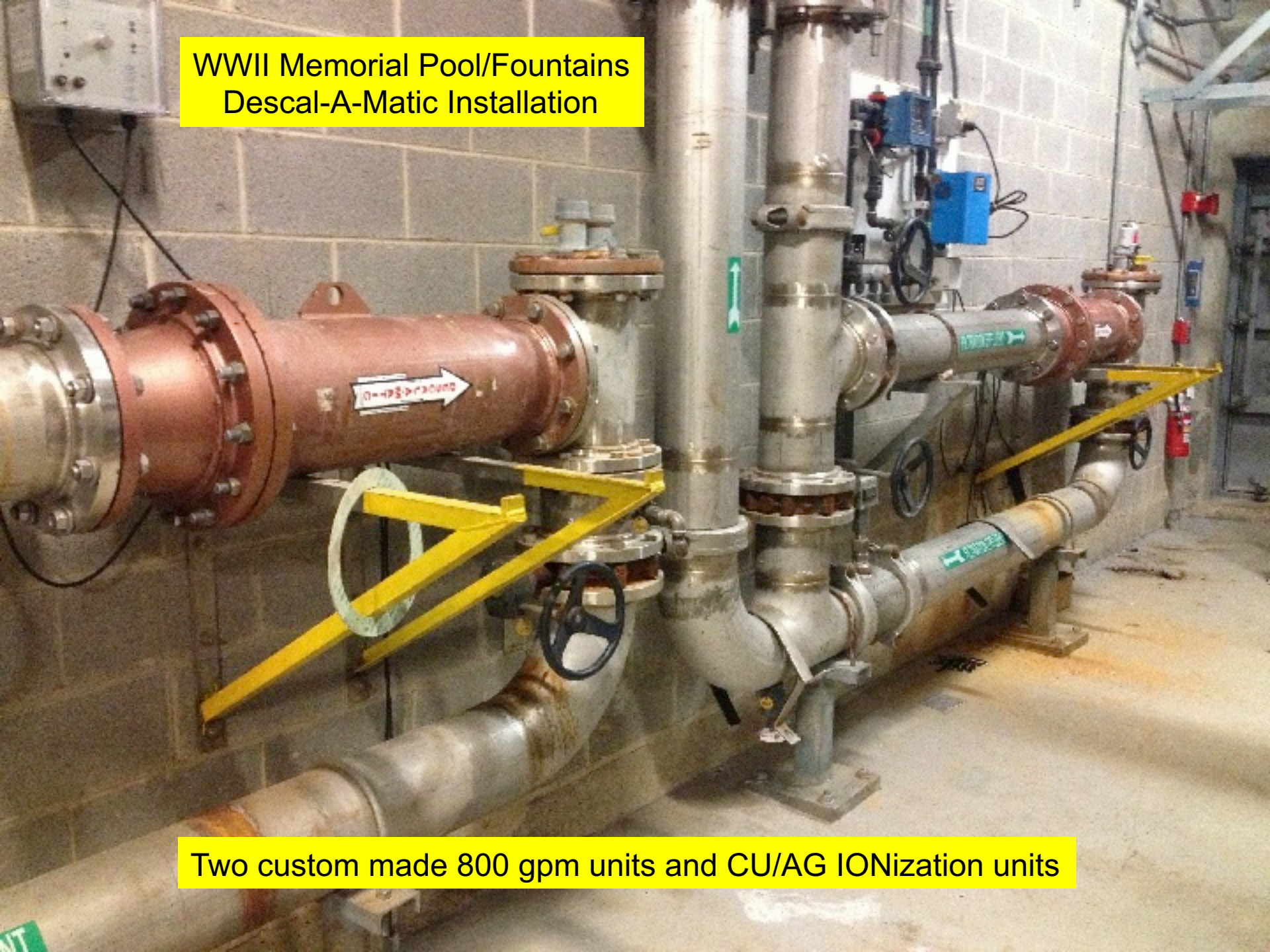
757-858-5593

1516 Springmeadow Blvd., Norfolk, VA. 23518



The water in this National Memorial Water Display continues to be crystal clear, since its start-up in May of 2004

WWII Memorial Pool/Fountains
Descal-A-Matic Installation



Two custom made 800 gpm units and CU/AG IONization units

WATER MANAGEMENT WITHOUT CHEMICAL ADDITIVES

THE HIGH COST OF SCALE FORMATION

DESCAL-A-MATIC® CORPORATION

1516 SPRINGMEADOW BLVD
NORFOLK, VIRGINIA 23518

TEL: (757) 858-5593
FAX: (757) 853-3321
Email: emief@exis.net

WATER MANAGEMENT WITHOUT CHEMICAL ADDITIVES

HOSPITALS & MEDICAL FACILITIES APPLICATIONS

ICE MAKERS, STERILIZERS, AUTOCLAVES, VACUUM PUMPS,
FLUSHOMETERS, R.O. UNITS (DIALYSIS), DISHWASHERS,
WATER DISTILLERS, STEAM COOKERS, HUMIDIFIERS,
POWERS MIXING VALVES, HOT WATER HEATERS,
HYPOTHERMIA UNITS, LAUNDRIES (SUPPLY WATER),
REPLACEMENT OF CONVENTIONAL WATER SOFTENERS

The above documented uses for Descal-A-Matic Magnetic, Non-Chemical Water Treatment Units represents **Huge Savings** from often un-noticed costs to Hospitals and Medical Facilities. That is because these applications **cannot** be treated with chemicals, either for economic or for ecological reasons. These are "once-through" water handling systems, which are both **Economical** and **Easy** to treat with the Descal-A-Matic Non-Chemical Water Treatment.

Cooling tower and condenser tube fouling increasing chiller energy consumption while reducing chiller capacity. Over time, you pay more for energy and get less chiller performance. The one clear way to determine fouling of condenser tubes is to monitor the in and out differential temperature on the condenser heads. When you start losing the differential spread you know something is fouling.

The results of fouling are dramatic. On a KW/Ton basis – with each 0.0001 increase in the fouling factor the amount of power required to run a compressor increases by 1.1%. When there is fouling, the increase in the cost of electricity becomes a major expense.

Likewise, the cost of interrupted chiller operation can make manual tube cleaning a costly operation. Time is enormously expensive in terms of manual cleaning and lost profits. Manual tube cleaning increases chiller downtime, disassembly and reassembly labor plus all the direct costs of chemicals and cleaning brushes. It is estimated that it would take two people about two days to thoroughly clean two chillers. Higher operating cost is only part of the problem created by excessive fouling. It also increases condenser tube wear, which causes corrosion and pitting. Resulting leaks can require plant shutdown to replace faulty tubes. Chemical water treatment won't solve the problem completely, either. Scale formation can still occur inside the condenser tubes and in cooling towers restricting efficient heat transfer. Algae and bacteria can also result in fouling of chillers and cooling towers. The cost of water-treatment chemicals adds to chiller operating costs.

The solution, of course, is to prevent the scale formation by using Descal-A-Matic environmentally Green Magnetic Water Treatment. Descal-A-Matic precludes scale build-up and inhibits corrosion and will gradually dissolve any existing scale build up. A companion product, the Descal-A-Matic Copper/Silver Ionizer System, is used to control algae, bacteria, legionella and other micro-organisms.

Please contact your representative or Descal-A-Matic for more information.

Descal-A-Matic®

The Better Way to Treat Water

Environmentally Green



Service Product Sheet
Water Descaling Unit
Descal-A-Matic Water Treatment System

Application

The Descal-A-Matic Water Descaling Unit supplied by STERIS Prevents, and can even reverse scale build-up over time on the heating elements of steam generators and other equipment where problems with scaling may occur.

Description

The Descal-A-Matic Water Treatment System utilizes magnets to interact with minerals found in water which prevent scale from attaching to pipes and heating elements without chemicals.

Features and Benefits

- Works in hospitals, surgery centers and life science applications to help protect a range of STERIS equipment, including sterilizers and washers.
 - Works in conjunction with the STERIS Flush and Drain Kits to provide optimal protection.
 - Proven in many applications for more than 45 years. Humidifiers, Instantaneous Hot Water Heaters, Ice Makers and etc.
 - Extends the life of steam generators by reducing scale formation on the heating elements.
- Reduces service calls associated with water quality issues at the facility.
- Eliminates the need for water treatment chemicals and their associated cost for insurance, storage, handling and disposal of empty drums. Never a concern conforming to EPA or OSHA regulations. It also eliminates the need for conventional water softeners, reverse osmosis units and de-ionizer tanks.
 - Customers have experienced tremendous results from the Descal-A-Matic Units. Some costumers have been able to extend the life of their heating elements for 3+ years. Other customers have been able to reduce their steam generator repair cost by more than 85%!



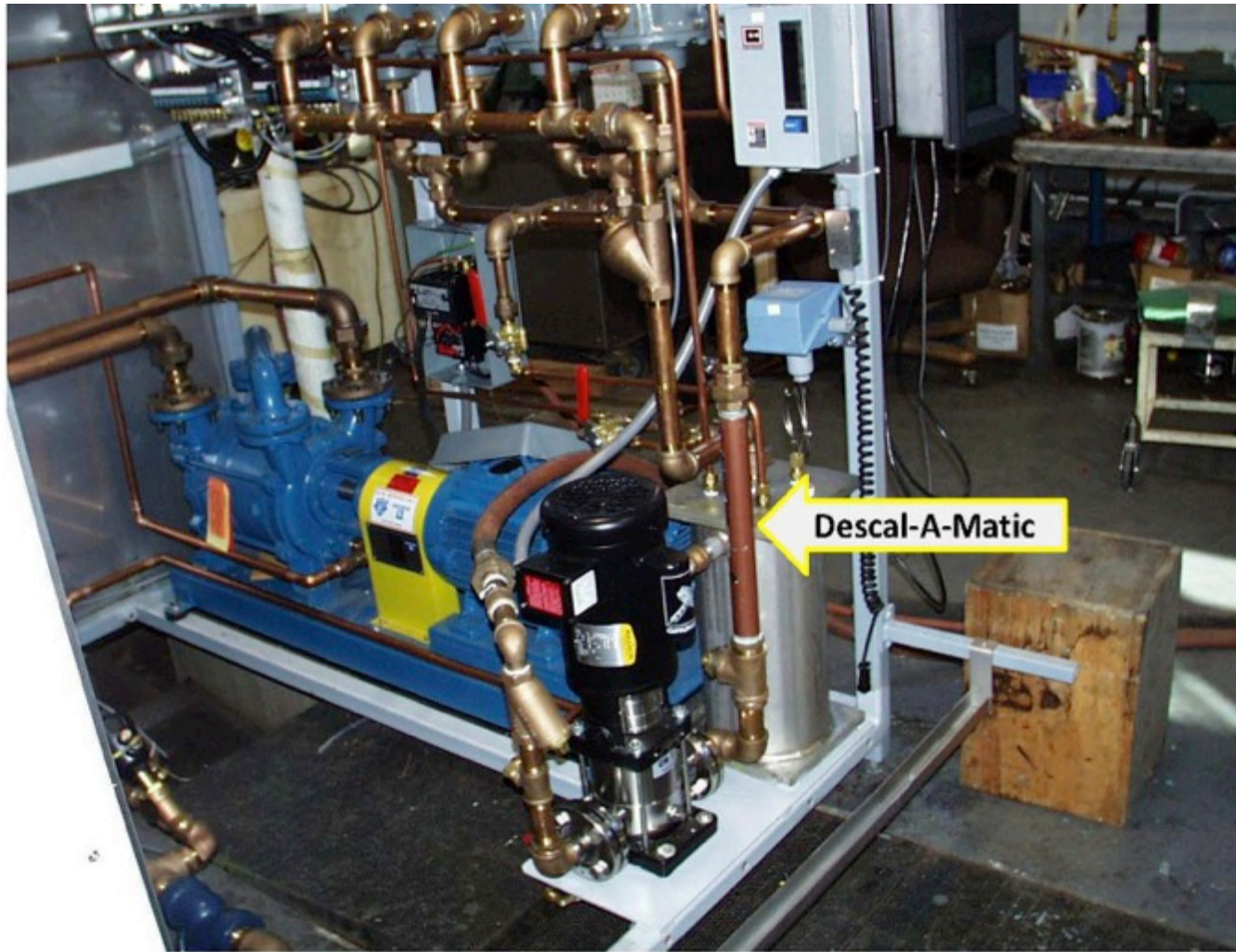
Descal-A-Matic Unit (6 GPM)
P-764332-142
Installation for Descal-A-Matic Unit
SE00-000-77

Visit STERIS eService Portal and order your Descaling Unit today!

NOTE: Because of STERIS'S continuing program of research and development, all specifications and descriptions are subject to change without notice. Obtain certified drawings for design and installation.

Descal-A-Matic®

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In 2002 this Model DC-6 Descal-A-Matic Unit, that has a maximum treating capacity of 6gpm (360gph), was installed at the Seris Corp. Factory in Erie, PA in the water supply line to this 75KW Sterilizer System. The system was then shipped to the Steris customer in Los Angeles, CA. Early this year (2007) we were advised that this customer continues to be very pleased with how clean this sterilizer has stayed, with no evidence of hard water scale deposits on the heating elements.

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Environmentally Green



Greater Cincinnati Surgery Center
10615 Montgomery Road, Suite 300
Cincinnati Ohio 45242
Phone (513)793-1999 Fax (513) 745-5555

July 9, 2008

Descal-A-Matic Corp.
Attn: Ernie Florestano, President
1516 Springmeadow Blvd.
Norfolk, VA 23518

Dear Mr. Florestano

It is my pleasure to write a letter of recommendation for your Decal-A-Matic system. For years our surgery Center has been suffering not only financially but in time. We have battled with our sterilizing machines and humidifiers breaking down frequently due to scale problems. We also have spent over 20,000 in one year in repairs and parts for both our sterilizers and humidifiers. I am so pleased to report that we have had no problems with either for the past 6 months. Our water pressure problems and our cost for salt have been completely resolved. This is a huge deal for us since we have had no pressure and heating problems for the last 10 years. With your Descal-A-Matic we have had no issues.

We have had two preventative maintenance checks on our Humidifiers and we are happy to report that we did not have scale build up. The systems are very easy to clean and we are paying for less time to clean them. As a matter of fact we were to get rid of all of our filters, water softener systems and reverse osmosis system. That is incredible!!

Again, I would recommend your system to anyone especially if they have suffered as we have with scale build up, parts and repair problems and pressure issues. Thank you again for all of your help and I will keep you posted.
Keep up the good work!

Sincerely,

Michelle Smallwood
Administrator
Greater Cincinnati Surgery Center.

Descal-A-Matic®
The Better Way to Treat Water
Environmentally Green



10615 Montgomery Road, Suite 300
Cincinnati, OH 45242
(513) 346-6900

July 11, 2014

Descal -A- Matic Corporation
Attn: Ernie Florestano, President
1516 Springmeadow Blvd.
Norfolk, VA 23518

Dear Mr. Florestano:

I am writing today to follow up on how we have been with the Descal-A-Matic System that was placed in 2008. We have had many changes over the past 2 years with Greater Cincinnati Surgery Center, including the acquisition of our center by TriHealth, Inc., But, I am happy to report, your system has been better than ever for us.

As you recall, we had issues with several pieces of key systems, including; humidifiers, sterilization equipment, boilers, and water pipes. These systems are vital to our overall ability to conduct surgeries at our facility. Prior to 2008, we were constantly paying for repairs on these systems due to the enormous amount of scale build up. After placing your unit in our building, we have not only eliminated Culligan Water Softener System (which was originally placed to help with the scale build up), but we were able to see an increase in our water pressure and saved a tremendous amount of money on repairs/parts.

The descal-a-matic has truly been an incredible investment for us. We no longer have issues running all 5 of our sterilizers (remember we couldn't even run 2 at the same time prior to your system). I can't tell you enough how happy I am to have found your company! I appreciate all of the support and calls you have conducted to me over the years to make sure we were still satisfied with the system. Each call, and each year I am always happy to report we are still going strong.

Thank you again, I will continue to recommend your system to everyone!

Sincerely,

A handwritten signature in blue ink that reads "Michelle Richardson". The signature is fluid and cursive, with a long horizontal stroke at the end.

Michelle Richardson, MBA
Facility Manager

Unsolicited follow
up letter from a
very satisfied
customer (formerly
Greater Cincinnati Surgery Center)

Descal-A-Matic®

The Better Way to Treat Water

Environmentally Green

BENCO Dental – a privately owned, national level company serving dental clinics across the USA



Service / Product / Sheet

Water Descaling Unit

Descal-A-Matic Magnetic Water Treatment System

Application

The Descal-A-Matic Water Descaling Unit supplied by Benco prevents, and even reverses scale build-up over time on the heating elements of the steam generators and other equipment where problems with scaling may occur.

Description

The Descal-A-Matic Water Treatment System utilizes Magnets to interact with minerals found in water which prevent scale from attaching to pipes and heating elements without the need for hazardous chemicals or water softeners.

Features and Benefits

- Works in Dental Facilities for applications to help protect a range of Benco equipment from contamination from hard water scaling problems.
- Works in conjunction with all water systems to provide optimal protection from contamination by dangerous pathogens.
- Proven in many applications for more than 45 years.
- Extends the life of steam generators by reducing scale formation on the heating elements.
- Reduce service calls associated with water quality issues at the facility.
- Eliminates the need of water treatment chemicals and their associated cost for insurance, storage, handling and disposal.
- Customers have experienced tremendous results from the Descal-A-Matic Units. Some customers have been able to extend the life of their heating elements for 3+ years. Other customers have been able to reduce their steam generator repair cost by More than 85%!



Contact Information

Descal-A-Matic Corporation
Norfolk, VA
www.descal-a-matic.com
info@descal-a-matic.com

Reference List

Descal-A-Matic Unit – Model DC-6 SS
(as shown in photo above)

PERFORMANCE WARRANTY

If the purchaser of any Descal-A-Matic Fluids Conditioner is not satisfied with the performance of the Descal-A-Matic Conditioner for the purpose of the prevention and/or reduction of scale and corrosion after the Unit has been installed for a period of at least twelve (12) months, and if the purchaser has operated his equipment within the operating parameters provided by his equipment manufacturer and those offered by Descal-A-Matic, then Descal-A-Matic Corporation will refund the full purchase price. An on-site inspection of the water-sides of purchaser's equipment after twelve (12) months of operation must be conducted with a qualified Descal-A-Matic representative present, if there should be any question about whether Descal-A-Matic has performed satisfactorily as claimed. Descal-A-Matic Corporation further warrants the quality of materials and workmanship for ten (10) full years.

Any purchaser who finds it necessary to increase the size of his system and requires larger Descal-A-Matics will be given original purchase price allowance toward the purchase of new and larger Descal-A-Matics regardless of age.

Ten Year Warranty

on the

DESCAL - A - MATIC WATER CONDITIONER

TO THE OWNER:

The Descal-A-Matic Water Conditioner is warranted to be free from defects in materials and workmanship upon shipment from the factory. In the event there is a failure or defect within the first 12 months of use the unit will be repaired or replaced upon its return to Descal-A-Matic at no charge to the owner. Should a failure or defect appear after 12 months of usage and within 120 months of the original installation the Water Conditioner will be made available to the owner on a pro-rated basis depending upon the total number of months the unit was installed and the current price of the Water Conditioner. This warranty is the only warranty made for the Water Conditioner. To make this warranty effective and permit any claims: The owner shall fill out and return the certificate to: Descal - A - Matic Corp. 1516 Springmeadow Blvd. Norfolk, VA, 23518 within 30 days after installation.

Owner's Name _____ Address _____

Size Unit _____ Serial No. _____

Date Purchased _____ Date Installed _____

RETAIN THIS COPY AND MAIL DUPLICATE TO MANUFACTURER

Descal-A-Matic® Ion Generator
Control of Algae and Micro-Organisms

Models and Features

Model 1200

State-of-the-Art Commercial Rated Ion Generator

Copper-Silver Ionization

For:

Control of Algae, Bacteria, Legionella
And other Micro-Organisms

Applications:

Cooling Towers, Decorative Water Fountains,
Swimming Pools and Spas

The well-proven features are:

- Rugged and Durable Design Protects Electronics from Moisture, Corrosion and Harsh Environments. NEMA 4X and UL 508-4X Rated Waterproof Equipment Enclosure. Gasket Sealed Clear Acrylic View Cover. Tamper Proof
- Heat and Vibration Protected Solid State Electronics.
- Precise Metering and Stable Ion Output. Unit Automatically Maintains Preset Level.
- Simple Operating Controls. Electronic Self-Checking Inspection Circuitry for Anode.
- LED Displays for Power, Polarity, and Anode Status.
- Self-Cleaning Anode Feature. Polarity Reversing Sequential Cleaning Circuit.
- Circuit Design Maintains Accurate Metering Of Mineral Ion Flow Throughout Anode Life.
- The Most Advanced Specialized Alloy Anode for Superior Water Quality and Purity. NSF Listed Ion Chamber Components.
- Meets or Exceeds UL and NSF Standards.
- Ion Test Kit and Complete Operator Manual Included.
- Lifetime Equipment Warranty.



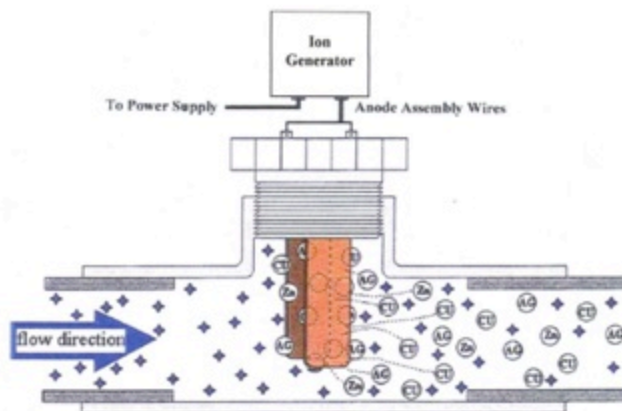
Descal-A-Matic®

The Better Way to Treat Water

Environmentally Green

Descal-A-Matic® Ion Generator

Control of Algae and Micro-Organisms



Copper and silver have been used for centuries to sanitize water. Copper is a well know algicide and silver is a powerful bactericide. In the ancient Greek civilization, the royalty used to drink from silver goblets and their water was stored in silver urns in order to purify their drinking water. As the pioneer settlers moved west across the American continent, they insured safe drinking water by putting silver coins in their barrels of water and milk.

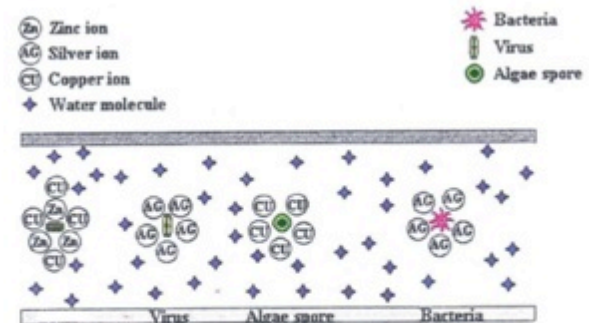
In the 1960's, NASA developed an electrolytic silver ionizer to purify the astronauts drinking water for use on the Apollo missions. Today silver is used in medications for treatment of burn patients to prevent infections, for newborns to prevent blindness, to make bacteria free cosmetics, in drinking water filters, and for filling cavities in teeth to help prevent further decay. The Ion Generator is an effective and inexpensive means for disinfecting potable water distribution systems in hospitals. Copper based algicides have long been used in cooling towers, swimming pools, fountains, lakes and ponds to safely control algae problems.

WHAT IS IONIZATION?

The process of an atom gaining or losing electrons is called ionization. The Descal-A-Matic system generates copper and silver ions in minute quantities for water purification.

IS IT SAFE?

The EPA standards for our drinking water is 1.3 ppm of copper. Less than one-sixth of this amount is all that is needed to purify your water with Descal-A-Matic Ionization.



The above schematic shows the microscopic action of the Cu, Ag and Zn ions on the algae, bacteria, legionella and other micro-organisms

HOW DOES IT WORK?

A safe low DC current like that of several flashlight batteries is passed through a set of copper and silver alloy anodes. As the water passes through the sealed chamber, metallic ions are generated to purify the water. The microscopic action of the ions with the algae and bacteria are twofold. First, the algae and bacteria are destroyed through a change in their enzyme processes. Second, all these charged particles floc together and then they are discharged with the blow-down of cooling towers or pulled out by your filter. The ions maintain a stable sanitizer residual in the water.

Descal-A-Matic® International The Better Way To Treat Water

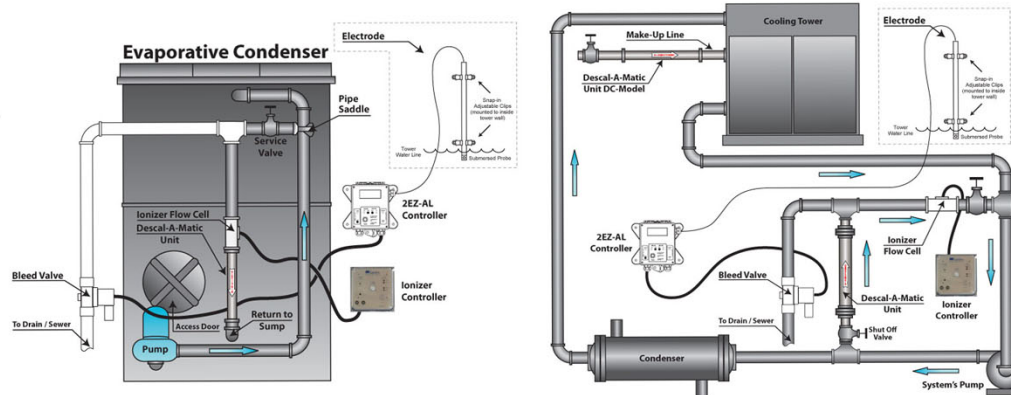
Descal-A-Matic® Ion Generator
Control of Algae and Micro-Organisms

Cooling Towers, Decorative Fountains, and Commercial Pools

Cooling Towers



Descal-A-Matic Ion Generators are used throughout the world to prevent algae, slime, Legionella and bacterial growth in cooling towers. The HVAC industry is looking for alternatives to traditional biocides that are more economical, automated, safer and more effective. With more and more government restriction on toxic waste effluents and other related concerns with handling, dosing and corrosion problems associated with chemical biocides, our alternative systems are finding widespread use. With over 15 million cooling towers in the USA alone, this market is expanding rapidly. Installations on office buildings, major department store chains, telephone companies, hospitals etc. have been very successful.



Descal-A-Matic Corporation, 1516 Springmeadow Blvd., Norfolk, VA 23518
Phone (757) 858-5593 Fax (757) 853-3321 Email info@descal-a-matic.com

SCI-62

Descal-A-Matic promotes
SCI-62 - a viable
alternative Algicide /
Bactericide where it's a
better, more cost effective
fit than IONization.
- EPA & NSF Certified



