



VOLUME 1 2009

A PUBLICATION FOR AREA CUSTOMERS WORLDWIDE

WWW.AQUATICLSS.COM

WWW.AREAINC.COM

WWW.MODERNAIRAERATOR.COM

Greetings Valued Customers:

Although the global environment continues to prove tough and competitive - we are pleased that we were fortunate with continued growth. With our continued growth - it is imperative for us to give thanks to our customers around the world and our tremendous employees and business partners around the world. Our loyal customers are the backbone of our success as you continue to allow us to serve you. I continue to be amazed by our dedicated staff who all continue our mission of providing our clients worldwide with superior products and systems with exceptional customer service.

We have many great things to announce. The first is the creation of Aquaticas Construction. When my Grandfather - Paul Mulvihill and my Father - Michael Mulvihill created AREA over 40 years ago, it was their mission to continue to improve upon products through research and development while ensuring all clients worldwide received exceptional customer service. With our continued growth - we made the decision to create Aquaticas Construction to maintain this philosophy. Aquaticas Construction was created to provide vertically integrated solutions to our clients globally. These services include *Consulting, Bid Specifying, Installation, Project Management, Start Up, Commissioning, Training* and more. With AREA and Aquaticas Construction working hand in hand - we are able to provide everything our clients require from Conception through Completion.

“AQUATICAS CONSTRUCTION WAS CREATED TO PROVIDE VERTICALLY INTEGRATED SOLUTIONS TO OUR CLIENTS GLOBALLY ...”

Our AREA Greenwise Program continues to grow and we hope to have announcements in the near future for products and systems that will be dedicated to providing savings in water consumption, energy consumption and more. As one of the leading environmental based companies in the world - AREA is dedicated to product and system improvements that will benefit the environment. We are also dedicated to improving our in-house programs from our day to day operations to manufacturing.



We had several New Product Releases that includes our 'Pro-Glass' 3 Diffusers, Z-Tek Cartridge Filters and our Transport Bags. We are very proud of our new products and our team did a tremendous job during development to provide our clients with tremendous products to meet virtually every need.

Lastly - we are also dedicated to continuing to give back through the Mulvihill Humanity Foundation. During Christmas - myself and our staff from our Homestead Facility had the privilege to enjoy an amazing Christmas Party at The Miami Bridge Center for troubled youth in the community. The party was enjoyed by all and in times when it is ideal to reflect - I can personally say it started of the Holiday Season in a great way. We continue to support the Make A Wish Foundation of South Florida and hope to grant several wishes this year. There are many other organizations that we are targeting to work with and we are also awarding the MP Mulvihill Student Scholarship in Seattle at Aquaculture America which we provide annually to an Aquaculture Student. We will continue to update you on the activities of the Mulvihill Humanity Foundation in future issues of News Reel.

Remember to visit our useful websites which now include www.areainc.com, www.aquaticlss.com, www.aquaticlss.com, www.areaaquarium.com, www.aquaticasconstruction.com and www.modernairaerator.com. Our websites provide useful information for each respective industry - 24 hours a day/7 days a week. If you would like to see anything specific published in our newsletter, please forward your comments to info@areainc.com.

Best Regards,

Jason E. Mulvihill

Jason E. Mulvihill
President, AREA



To Order Any Of Our Products/Systems Or To Request FREE Systems Design Assistance, Please Call 800.257.2732 (AREA); FAX 305.248.1756, or E-MAIL info@areainc.com.

Z-TEK CARTRIDGE FILTERS

Our Z-Tek Cartridge Filters represent flexible design, effective filtration capacity, quality components, easy cleaning, convenience and reliability. Each filter utilizes a single Z-Tek Cartridge Filter Element and are available in 6 Models from 50 gpm to 192 gpm. In addition - our Z-Tek Cartridge Filters provide for virtually no water and chemical waste and require Minimal Maintenance. Our Z-Tek Cartridge Filters provide for a filtrate level of 1 μ to 10 μ depending on Filter Sizing and Flow Rates. Contact an AREA Technical Representative for sizing assistance, pricing or literature.



DESALINATION SYSTEMS



Our Desalination Systems are the latest addition to our 'Crystal Clear' Filtration Line. Our systems are also one of the first under the **AREA Greenwise Program**. As the population grows and water supplies continue to be strained - there is increasing demand for purified water. One tremendous option that is efficient and effective is desalination of the plentiful seawater supplies.



A key component of a successful seawater system design is energy management. The pressures required to overcome the osmotic pressure of seawater are very high, requiring lots of horsepower. AREA's Systems Engineers are among the most talented at finding ways to

utilize every last kilowatt from the electricity supplied to our systems provide for the most efficient and effective systems.

Each of our Desalination Systems will come as a complete package and ready for installation. Every aspect of effective operation and efficiency has been applied in the development of each system. In addition - tremendous management flexibility is provided by each system.

We offer our Commercial Series and our Industrial Series. Our Commercial Series provide systems to treat from 100 GPD to 6,000 GPD and our Industrial Series will treat from 7,000 GPD to 360,000 GPD.

Each Desalination System comes with the following **Features and Benefits:**

- Epoxy Coated SS Frame
- Duplex SS High Pressure Pump
- SS Plunger Pump ($\leq 24,000$ gpd) / SS Centrifugal Pump (48,000 gpd +)
- PVC Low Pressure Piping
- Automatic Permeate Flush
- TDS Monitor
- PLC Control
- Digital Flow Meters / Valving
- High/Low Pressure Switches

Please consult with an AREA Technical Representative for sizing assistance, integration with a current system or a new system.

SPECIAL - WINTER DISCOUNT

We are offering a Winter Discount to provide savings to our clients. Please reference Promotional Code **W1-309** when ordering. This discount is available until March 31, 2009 and is for all products except Chillers and Heaters.

'PRO-GLASS' 3 ALUMINA DIFFUSERS



Our 'Pro-Glass' 3 Alumina Diffusers are the next generation of diffusers and provide our clients with additional diffusion options for a wide range of applications. Our 'Pro-Glass' 3 Series were developed to increase the applications and diffuser options like those of our Industry Standard 'Pro-Glass' II Alumina D Diffusers provide.

Like our other Diffusers - our 'Pro-Glass' 3 Alumina Diffusers provide for excellent gas diffusion, dependability and durability that has made our diffusers the Industry standard for over 30 years. All of our diffusers continue to be manufactured from our proprietary blend of Alumina and are heat fused at 2000+ $^{\circ}$ F thus there are NO bonding agents that will break down when cleaning with acid or chlorine.

Our 'Pro-Glass' 3 Diffusers have been engineered to provide minimal air flow resistance thus making all of them ideal for use with low pressure blowers. All of our diffusers are self-ballasting and resist fouling and clogging thus making them ideal for both indoor and outdoor use. Should cleaning be required, you can use Muriatic (HCl) Acid or Chlorine - depending on what is fouling the diffusers.

Our 'Pro-Glass' 3 Diffuser Line consists of our *Dome Diffusers*, *Fine Pore Diffusers* and *Tubular Diffusers*. Each diffuser provides for a wide range of uses in various industries including Wastewater, consult with an AREA Technical Representative for sizing assistance, integration with a current system or a new system.

AUTOMATIC BACKWASH VALVES



Our Automatic Backwash Valves are the perfect device to automate your filtration system. You can use our Automatic Backwash Valves on new filtration systems or even to retrofit existing systems. Our Automatic Backwash Valves are available in 1-1/2", 2" and 3".

Each Valve provides automatic backwashing and rinsing by *Pressure Sensor*, *Timer* or *Both*. Our Automatic Backwash Valves are designed to offer the client the most effective and efficient operation. Our valves will fit any type of filter including Pentair, Jacuzzi, Hayward and much more.

All manufacturing, assembly and testing is performed at our facilities for quality assurance and all systems are manufactured to DIN and ISO 9001 Standards. Each Automatic Backwash Valve is constructed from the highest quality products and are designed for the harshest environments. Further, our valves are "field serviceable" and come with a handle that is incorporated into the socket wrench for servicing. Some of the unique features you will receive from our **Automatic Backwash Valves** include:

- Pressure Controlled Activation Of Backwash
- Adjustable (1 min. - 11 min.) Backwash
- Adjustable (20 sec. - 4 min.) Rinse
- On - Off Pump Control Circuit
- Water Resistant Touch Pad Located On Side Panel Provides For Manual Backwash Activation (Test), On/Off and Drain Function
- Auxiliary Equipment circuit Available
- CE Approved
- Low Water Cut Off Circuit
- Multiple Tandem Wiring Feature

Please consult with an AREA Technical Representative for sizing assistance, integration with a current system or a new system.

ISSUE:

I HAVE 4 OF YOUR UV STERILIZERS - HOW OFTEN DO I HAVE TO REPLACE THE LAMPS?

Thank you for asking as this is an important question. It all depends on how often the UV Sterilizer is operated as well as the Maintenance Program our client has. The traditional thought is 1 time per year for typical Lamp Replacement. We have many clients that have Annual Maintenance Programs in which they perform the replacement once a year.

All of our UV Sterilizers utilize our T-6 Lamps which provide for an impressive 9,000 hours of continual operation until reaching 60% efficiency. The design of our units provide for minimal pressure differential compared to other units.

The other important aspect is all of the other vital components that make up our UV Sterilizers. We recommend a monthly check of the unit to ensure all items are in good shape and are operating properly. These key items include *Lamps, Ballasts* and *Service Kits*.

If you purchased your UV Sterilizer System with our Control Module - the Module will depict Hours of Operation and Lamp Strength.



Lastly - we do offer all of our clients worldwide our **UV Sterilizer Maintenance Program** in which a representative will contact you annually for your Replacement Parts required based on a pre-determined maintenance schedule that will allow you to receive the most effective and efficient performance from your sterilizers while also increasing the longevity of the units.

Please contact one of our AREA Technical Representatives for additional information on our Replacement Parts and/or our Maintenance Program and we will be happy to assist you.

MP MULVIHILL AQUACULTURE STUDENT SCHOLARSHIP

Part of AREA's commitment to give back is through the *Mulvihill Humanity Foundation*. One key component is the MP Mulvihill Aquaculture Student Scholarship that is awarded annually at the Aquaculture America Conference. Past winners include Charlene Couch, Melody Danley and Hiedi Lewis.

This years winner is a very deserving Aquaculture Professional - Kenneth Riley. Kenneth is a doctoral candidate at East Carolina University and is dedicated to the Aquaculture Industry. The foundation is proud to have a professional like Kenneth represent the MP Mulvihill Scholarship and what it stands for.

Awarding the Scholarship is one of the highlights of the year as it allows the legacy of Michael and Paul Mulvihill to continue each year.

The MP Mulvihill Aquaculture Student Scholarship is a \$1,500.00 Scholarship awarded annually to a deserving Aquaculture student to allow he/she to further their education. The scholarship was created by AREA and its President Jason Mulvihill to honor Michael and Paul Mulvihill who were pioneers in Aquaculture and were dedicated to the industry and to helping others.

To apply for next years Scholarship - please visit the students Section at WWW.WAS.ORG or feel free to call AREA's Corporate Office at 800-257-AREA (2732) and an associate will be happy to provide you with additional information or assistance.

If you missed an issue of AREA's News Reel - all issues are on our Corporate Website at **WWW.AREAINC.COM**. Please click on the Newsletter Section and scroll down to all past issues. If you wish to have a hard copy - please contact our office and an issue will be sent to you. Our Corporate Library has issues of each News Reel ever printed - in the event past issues are requested.

NEW PRODUCT - WEIGHTED TUBING

We are pleased to announce the release of our *PVC Weighted Tubing*. Over 4 years were put into the development of the perfect tubing to offer our clients durability and efficiency.



Our *PVC Weighted Tubing* is primarily use in Pond and Lake Projects with our *'Modern Air' Aeration Systems*. However, we do have a number of clients that use our tubing in Culture Tanks, Raceways and more.

Our *PVC Weighted Tubing* is available in 3/8"Ø, 1/2"Ø, 5/8"Ø, 3/4"Ø and 1" Ø. Each size is available in 100' Rolls or 250' Rolls.

Please contact an AREA Technical Representatives for additional information and/or pricing.

AREA GREENWISE PROGRAM

The Greenwise Program is AREA's commitment to play its part in sustaining and improving the environment through its Operational Practices at its facilities and its Products and Services.



The Greenwise Program is comprehensive and deals with everything from Production Materials, Production Refuse, Packaging and more within AREA facilities.

AREA also provides Research and Development to develop systems that will allow for environmental improvements. Some of these products and systems include Plastic Water Pumps that feature HiE (High Efficiency) Motors and the Z-Tek Cartridge Filter which provides clients with High Flow Cartridge Filters that will reduce and/or eliminate the need to backwash. This provides for significant savings in water use - benefiting the environment directly.

Another development for clients that use Sand Filter Systems is the Clean Water Backwash. This backwash system reduces overall backwash water requirements significantly.

AREA will continue to post products and systems that are within the Greenwise Program to advise our clients worldwide of products/systems that are available.

If you have any questions or if you would like receive Technical Assistance - please contact one of our AREA Technical Representatives.

EZ AQUARIUM AIR VALVES

Our *EZ Aquarium Air Valves* have become the standard as a superior option to brass air valves without the drawbacks. Our *EZ Air Valves* will provide years of service without binding due to corrosion/oxidation. Each valve is ideal for tapping into PVC pipe air distribution systems and they are used extensively for saltwater tanks.



If you have any questions or if you would like receive Technical Assistance - please contact one of our AREA Technical Representatives.

NEW AREA WEBSITES

Part of AREA's mission to continue to provide superior customer service is to provide complete access to AREA's products and services. One major approach to this is through AREA's different websites that include their Corporate Website and Industry Specific Websites.

One of the newest websites is for Aquaticas Construction at WWW.AQUATICASCONSTRUCTION.COM. There is also a complete listing of AREA Websites at their Corporate Website - WWW.AREAINC.COM.

Visit Our Websites ...

WWW.AREAINC.COM
WWW.AQUATICLSS.COM
WWW.WINERYWATER.COM
WWW.AREAQUARIUM.COM
WWW.AQUARIUMVALVE.COM
WWW.CARWASHWATER.COM
WWW.MODERNAIRAERATOR.COM
WWW.GOLFCOURSEAERATION.COM

UPCOMING TRADESHOWS

We will be exhibiting at a number of Tradeshow and Conferences in 2009. The 1st quarter only has one conference - please stop by our booth if you are attending as we would like to visit with you. The conference we will be exhibiting at in Quarter 1 is:

- Aquaculture America (Seattle, WA) February 15-18

We look forward to seeing you and showing you our new products and discussing your current or future projects.

AREA IN THE MEDIA

AREA was asked to write an article for Marina Dock Age Magazine - a world renowned publication for the Marina Industry. The article focuses on De-Icing Systems / Aeration Systems for Marinas worldwide.

To receive a copy of Marina Dock Age or to read the article - please visit www.marinadockage.com.

You can also contact AREA and we will be happy to send you a copy of the article via E-MAIL or a hard copy via the mail.

If You Ever Require Technical Assistance, Our Technical Representatives Are Always Available At 800-257-AREA (2732). Further, We Offer FREE AERATION, WATER PUMPING, WATER FILTRATION, HEATING and CHILLING Systems Design. This Will Insure you have the Most Efficient and Cost Effective System You Can That Is Specific To Your Application And Facility!



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News

Winter 2009

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