

Arizon Introduces UV Bio-CLEEN™ System

Arizon Companies recently announced the addition of a UV coil irradiation system to their current line of products.

The UV Bio-CLEEN™ System is the most economical way to eliminate and stop buildup of organic materials from HVAC evaporator coils, drain pans, and downstream filters, which are common sources of contaminants distributed throughout any facility.

Using Arizon's Bio-CLEEN™ System to keep coils and drain pans clean avoids the expensive chemicals and laborious coil cleaning actions required today. The Bio-CLEEN™ System will eliminate and prevent fungus, mold and bacteria buildup on the coils and drain pans, thereby increasing airflow and heat transfer.

"The energy savings you realize when using the UV Bio-CLEEN™ System are

significant," said Doug Howery, MarCraft Division Manager. "Typically, a customer will realize significant energy savings by keeping coils free from dirt and debris," Howery reported. "Also, investing in the UV Bio-CLEEN™ System returns and maintains your existing HVAC system to like-new condition in most instances.

The UV coil irradiation system is available in all Arizon products, including MarCraft Custom Air Handling® products, Johnson Air Rotation® products, and Arizon® Structures products.



Immediately start saving money with Arizon's UV Bio-CLEEN™ System

Structures' Ramp Up

The division of Arizon Companies that manufactures air-supported buildings is currently ramping up for its high season, which begins this month.

Recent orders in progress include a large tennis dome in the Czech Republic, 2 exhibition domes in England, and 3 sports domes in the eastern United States.

Arizon Structures also recently completed a dome for the Toronto Maple Leafs' National Exhibition Soccer Stadium and a practice football arena for the University of Colorado Buffalo's football team.



Arizon Air Structures' flexibility as being a cost-effective permanent or temporary facility, make it an ideal solution for any project requiring large, indoor, clear-span space.

Arizon Structures has begun the planning stages of their new and larger production facility slated for completion in 2009. For the first time in the industry's history, the manufacturing of air structures will take place inside an air structure.

"The cost efficient operation of an air structure, coupled with the benefit of huge, clear-span space, makes an air structure the ideal production venue for manufacturing large items," said Jan Ligas, president of Arizon Structures. "We are excited about our expansion and growth."

MARCRAFT Completes Units for LEED-certified Project

MARCRAFT recently manufactured custom air handling units for Children's Hospital, Clinical Services Building, in Pittsburgh, Pennsylvania. This project is a LEED-certified project.



Looking down the full length of the service corridor in rooftop unit at Children's Hospital.

This several million dollar project consisted of eight large indoor air handlers with varying materials of construction specific to the requirements. Also included were four interconnecting large rooftop units which sit on a MARCRAFT engineered and manufactured 7' high roof curb with interconnecting ductwork. The entire roof system measured 288'L x 40'W x 20'H .



Blue skies frame MARCRAFT's rooftop unit and structural curb at Children's Hospital.

To gain LEED certification, a project must accrue a certain number of points in 5 categories—sustainable sites, energy and atmosphere, water efficiency, indoor environmental quality, and materials and resources.

"Experience Fresh Air" with MARCRAFT's New Energy Recovery Unit

According to the Occupation Safety and Health Administration, the average American spends 90% of their day inside.

Since "fresh" or "outside air" has a positive effect on an individual's overall health, mood and productivity, it becomes increasingly more important to focus on improving the quality of air inside our buildings by "bringing fresh air in".

Now it is possible to bring the outside air inside the building with a MARCRAFT Energy Recovery Unit.

Current ventilation standards recommend that 15 to 60 cubic feet per minute (CFM) of outside air should be supplied for every person within the building. Although currently this is only a recommendation, many companies apply this as their standard.

MARCRAFT's Energy Recovery Unit provides an economical solution to increasing ventilation without dramatically increasing the mechanical equipment cost, space requirements and operational costs.

Installing a MARCRAFT Energy Recovery Unit can dramatically reduce the cost and demand of energy in many different applications. Criteria to consider when selecting the correct type of Energy Recovery Unit for your application are as follows:

- * Equipment space requirements
- * Cross contamination issues
- * Location of supply and exhaust
- * Climate

All three divisions of Arizon Companies, Johnson Air Rotation®, MARCRAFT® Custom Air Handling, and Arizon® Structures, are committed to providing high quality products and services that provide the Total Solution™ for your project requirements. Check out our website at www.arizoncompanies.com for more information.

What is Energy Recovery?
Energy Recovery uses exhaust air from a given space that contains heating or cooling energy to condition a source of outside air. Utilizing this exhaust energy will lessen overall building consumption of energy, therefore reducing building operating costs as well as conserving natural resources.



MARCRAFT recently completed this multi-million dollar run-around loop system ENERGY RECOVERY project for the world's most advanced genomic biology research facility.



Air Rotation® in Space

One of the more unusual projects to come our way recently is a NASA museum in Huntsville Alabama. This area has long been a visitor attraction for families to view and learn about the Space program. The site includes a summer space camp which is frequently visited by class trips from surrounding schools. On the grounds of the camp are many rockets and missiles that were developed by the U.S. for defense of our country or exploration of space.

Older missiles, like the Nike Air Defense and Titan ICBM, are onsite as well as everything up to a current model of the Space Shuttle still in use today as a vehicle to carry astronauts to and from the International Space Station. No exhibition of such rockets would be complete without the Saturn 5 which was the primary vehicle for boosting the Apollo Astronauts into space as well as the Moon Landings accomplished years ago.

The Space Center decided to place a Saturn 5 on its side in the museum so people visiting the site might get a better appreciation for its massive size. This required a building 475 feet long and 88 feet wide and almost 90 feet tall. They selected Johnson Air Rotation® as their preferred system for heating and cooling such a large space evenly. They now have onsite for installation two outdoor units with cooling coils and hot water heating coils to maintain comfort in the building. To assist with air movement on all sides of the rocket, three Johnson Air Rotation™ Stratocyclers will also be utilized to stimulate the required air flow.

The museum will be open to the public very soon and many people will be walking through and enjoying the comfort of a truly "Space Age" Johnson Air Rotation® Heating and Cooling System.



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