



POOL DEHUMIDIFICATION DEDICATED OUTDOOR AIR SYSTEMS

Superior Dehumidification for Healthy, Comfortable Environments



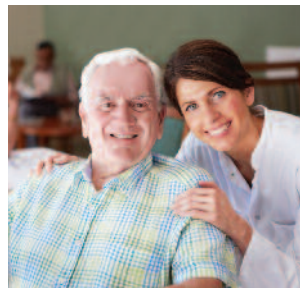
Competition Pools



Classrooms



Waterparks



Assisted Living



Water/Wastewater



Hotel/Residential Pools

At Desert Aire, we have a genuine desire to solve indoor air quality problems so that people can live, work and play in clean, healthy and dry environments.

Since 1978, Desert Aire has been a proven leader in the design and manufacture of innovative pool dehumidification and dedicated outdoor air systems, utilizing advanced technology to successfully address humidity and air quality concerns. We have a reputation for delivering high-quality systems that are durable, reliable, and offer significant energy savings. Our customer-focused philosophy means we are committed to providing attentive, excellent service and support that solve customer problems.

OPTIMIZING SOLUTIONS THROUGH SUPERIOR DEHUMIDIFICATION TECHNOLOGY



DESERT AIRE SETS THE STANDARD FOR DEHUMIDIFICATION

Since 1978, Desert Aire has been providing advanced dehumidification systems for companies and organizations throughout North America. Our commitment to solving the most difficult humidity and air quality problems is why Desert Aire has become a trusted industry leader for high performance, energy-efficient, refrigeration-based dehumidifiers and dedicated outdoor air systems. We serve the following industries:

- Indoor Swimming Pools and Spas
- Educational Facilities
- Assisted Living Centers
- Retail and Office Buildings
- Industrial Process Applications, including Factories, Warehouses, manufacturing
- Ice Rinks
- Water & Wastewater Treatment
- Storage Areas

REFRIGERATION - BASED DEHUMIDIFIERS MAKE INDOOR POOL AREAS MORE COMFORTABLE

Humidity problems show up in many different ways – fogged windows, condensation on walls and ceilings, even a musty odor. Excessive humidity can make people feel uncomfortable and clammy. Desert Aire provides effective, efficient solutions to humidity problems in residential, commercial, institutional and water park environments. By removing the humidity from the air, our systems promote greater comfort, protect structural integrity, improve indoor air quality, and increase energy savings.

DEDICATED OUTSIDE AIR SYSTEMS (DOAS) CREATE HEALTHY ENVIRONMENTS

Bringing outside air into a facility as required by building codes can help maintain a healthier indoor environment. But that air can also deliver an influx of moisture which can bring a host of unwanted indoor air quality issues.

Dedicated Outside Air Systems from Desert Aire eliminate this problem by using refrigeration to dehumidify the air and remove the moisture before it enters the space, then delivering the ventilation air at a neutral temperature using a modulating hot gas reheat coil in compliance to ASHRAE 90.1. Our system optimizes the moisture removal function, as well as the cooling or heating of the internal space.

DOAS are a necessity in all structures that are required to introduce large volumes of outside air, such as schools, dorms, offices, research facilities and museums.

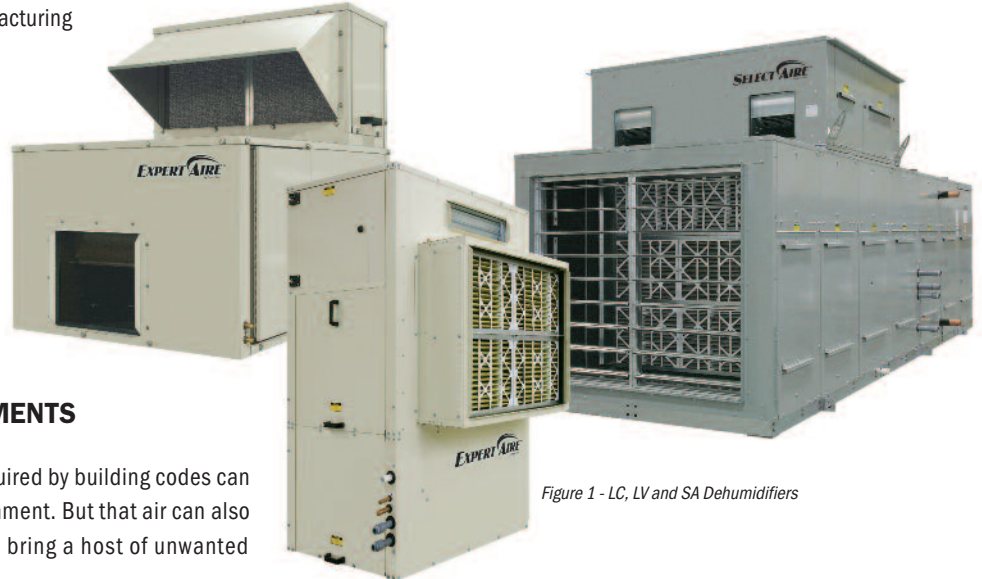


Figure 1 - LC, LV and SA Dehumidifiers



Figure 2 - DOAS Aura, TotalAire and VerticalAire Dehumidifiers

EXPERTISE TO DELIVER WORLD - CLASS SOLUTIONS

We are committed to protecting the structures and improving the environments where people live, work and play. Toward that end, we've dedicated thousands of hours to researching and analyzing vast numbers of applications so we can better understand how and when moisture becomes a problem. That knowledge enables us to create innovative, patented solutions that other companies don't provide.

When a unique application is encountered, our engineering design specialists go to work developing a solution. Our practice of offering unparalleled flexibility in product modification means we have the ability to create a product customized exactly to the customer's needs.

We operate in a culture of continuous improvement, adhering to ISO 9000 compliance standards to ensure product consistency and reliability. We also employ a brazing certification program that ensures excellence and minimizes warranty problems in the field.

Our sales staff averages more than 15 years of direct experience in the dehumidification industry; they know this business. Many are actively involved in the writing and creation of standards, methods of testing, and certification programs for the Air-Conditioning, Heating, and Refrigeration Institute (AHRI) and the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).



Figure 3 - Desert Aire's Aura Series Manufacturing - Germantown, WI

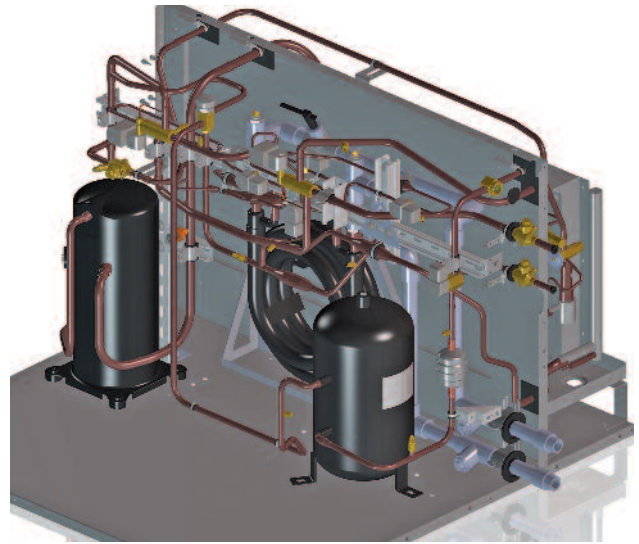


Figure 4 - Computer Aided LC Series Piping Schematic

SUPERIOR DEHUMIDIFICATION, LESS ENERGY

Desert Aire products are specifically designed as dehumidifiers; they are not air conditioners masquerading as dehumidification units. Our products are so efficient they wring more moisture from the air per kilowatt, providing the highest moisture removal efficiency (MRE) in the industry. This superior operation is the result of our advanced design features:

- Specially designed evaporator coils, with low face velocity, maximize the volume of condensate generated.
- Additional refrigeration design features and control sequences optimize the dehumidification effort.
- Patented SelectAire™ ventilation heat recovery sequence for commercial natatoriums returns more energy to swimming pool enclosures than any other system on the market. The extracted energy is used to heat swimming pool water or reheat pool room air.
- Patented modulating hot gas reheat valves on DOAS introduced a solution that allows a refrigeration-based dehumidifier to function properly by allowing a variable reheat concept to be used in this application.
- Patented Q-Pump™ allows the use of renewable energy for code ventilation conditioning. This system has a total of 4 patents or patent applications which allows this unit to maximize both MRE and (coefficient of performance) COP.

For more information visit www.desert-air.com



EXTENSIVE SERVICE/SUPPORT ENSURES YOUR SUCCESS

At Desert Aire, we provide hands-on support every step of the way. No matter what your need, you'll always have someone knowledgeable to talk to – our support staff is made up of engineers with years of experience in dehumidification.

- Our factory service team members travel to job sites to provide warranty repairs and comprehensive start-up support and training. We also maintain a broad network of factory-trained local Certified Service Technicians who are available to provide rapid on-site service whenever you need it.
- More than any other company in the industry, we provide extensive technical information on our website for you to use in making decisions. This includes product brochures, dimensional drawings, technical bulletins, and I/O manuals.
- We've developed easy-to-understand guides that explain how to size a dehumidifier for its intended application.
- We do everything possible to accommodate requests for information, product, support, and special deliveries.
- Our 2-year parts warranty is the best in the industry.

CONFIGURE YOUR SOLUTION ONLINE ANYTIME

We understand what it's like to need immediate answers. That's why we provide a cloud-based dehumidifier sizing program that enables engineers and contractors to conveniently configure their dehumidification solution online, any time of the day or night. This advanced program consolidates our years of experience into an easy-to-use question and answer format that helps design professionals choose features and benefits from among a complete listing of Desert Aire systems and options. Our program provides answers faster and more accurately than any other supplier in the marketplace.

INNOVATIVE SOLUTIONS BUILT TO LAST

Desert Aire manufactures durable, high performance dehumidifiers. We use 3D software to optimize your design for the highest performance and life.

- Each dehumidifier is built using carefully selected metal panels, such as galvanized, then coated with a powder coat paint finish. This combination provides excellent durability in highly corrosive pool rooms and sea coast environments.
- Our ElectroFin® coil coating is a water-based, flexible epoxy polymer coating process that coats the full coil (tubes, fins and casing) and provides proven protection against the environment. Other manufacturers coat only the fin surface.
- We utilize many other design elements to ensure our products will continue to solve dehumidification problems for many years.

PROFESSIONAL PROVIDER FOR USA SWIMMING

Desert Aire has been recognized by the USA Swimming Facilities Development Department as a Professional Provider for the assistance we provide their swim clubs in building and operating more effective, efficient facilities.




Figure 5 - Desert Aire Corp Headquarters, Germantown, WI

OPTIMIZING SOLUTIONS THROUGH SUPERIOR DEHUMIDIFICATION TECHNOLOGY

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 **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov