



Swimming Pool Dehumidification Systems Commercial & Residential

Desert Aire dehumidification systems are key to implementing integrated designs for indoor swimming pools, aquatic centers and natatoriums. In addition to working in harmony with systems that control water temperature, water quality and air quality, your Desert Aire

solution safeguards the health of building users; protects the structural integrity of building systems; and conserves energy, water and water treatment resources.

Why Dehumidifiers Are Needed in Indoor Pool Environments?

The heating, cooling and moisture loads of a natatorium are a product of seasonal variations in outdoor air temperature and humidity, solar gains and losses, as well as the presence of spectators and bleacher areas. As the equipment centerpiece of natatorium HVAC systems, the dehumidifier controls humidity in pool

enclosures to counter what is created by evaporation, regardless of outdoor conditions. Humidity control also protects building structural elements, furnishings, and support systems such as lighting.

The overarching goal in managing heating, cooling and moisture loads is sustainability.

ensuring the natatorium can continue to fulfill the purposes for which it was built in a safe and cost-effective manner. As seen below, we offer a multitude of dehumidifier systems that meet this goal and excel in various sizes and environments. Feel free to submit a contact request if you'd like more assistance.



ExpertAire™ Horizontal (LC) & Vertical (LV) Series Dehumidifier

ExpertAire™ Series commercial dehumidification systems provide you with highest Moisture Removal Efficiency ratings available — and the flexibility to regulate the introduction of outdoor air, saving energy. Available for residential and light commercial applications such as Hotels, from 1-15 Tons.



SelectAire™ (SA) Series Dehumidifier

SelectAire™ Series dehumidification systems respond to your toughest large capacity moisture challenges with modular engineering and flexible design options for customized, targeted solutions. Available for larger Natatorium style pools, from 18-60 Tons.



SelectAire™ (PLUS) Series Dehumidifier

Designed specifically for large 50 meter pool applications, the selected SelectAire Plus™ Series modular dehumidifier incorporates the original SelectAire™ System energy recovery technology and adds features for applications that require the superior cabinetry, state-of-the-art fan design and next-generation control features for enhanced setup and serviceability. Unique refrigeration with heat pipe provides the highest moisture removal efficiency (MRE) in the industry. Available from 50-80 Tons.

If you need additional information please feel free to contact us
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