

INTRODUCING COMPRESSOR WALL TECHNOLOGY

THE FUTURE OF NATATORIUM DEHUMIDIFICATION



A brilliant new patent-pending technology that sets entirely new standards for performance, reliability, energy efficiency, environment friendliness, size, weight and flexibility.

Compressor Wall Technology provides the ultimate solution for natatorium dehumidification by combining multiple compact compressor modules into a powerful array. Its genius is the simplicity, scalability and redundancy of individual sealed circuits, each with a minuscule refrigerant charge allowing 95% reduction refrigerant use compared to traditional DX systems.

Should any single module need repair or replacement, it's a simple plug-and-play process, with virtually no system down time, while the dehumidifier continues to operate with negligible impact to its capacity.





Truly Modular System Technology

Each plug and play module is an easy to replace independent circuit, utilizing a mere 3.75 lbs. of refrigerant.



FOR EVERY SIZE OF NATATORIUM

- Indoor or outdoor options, various airflow and electrical configurations available.
- Compact, lightweight unit construction – lightest roof load available.
- Sizing for every requirement – from 6 ton to 106 ton of capacity.

INCREDIBLY RELIABLE AND EASY TO SERVICE – ABSOLUTE LOWEST COST OF OWNERSHIP

- Remarkably reliable and easy to service. Simply unclip the module connections and slide it out, even while the system continues to operate.
- This clever system design avoids hard-cycling of compressors during off-peak loads for significantly reduced wear-and-tear over time.
- Hydronic pool heating with a corrosion resistant titanium pool water heater – fully modulated heat rejection for premium energy recovery.

SCALABLE, MODULAR, REDUNDANT, SYSTEM DESIGN

- Multiple modules and multiple stages of design to perfectly match variable load requirements.
- Accurately adjusts to seasonal changes in outdoor air humidity for optimal comfort year-round while reducing compressor operating time to eliminate over drying the space and significantly reduce energy costs.

THE INDUSTRY'S MOST ENERGY AND ENVIRONMENT FRIENDLY DEHUMIDIFIER

- With a 95% reduction in refrigerant use, our 46-ton Compressor Wall unit utilizes a mere 22.5 lbs of refrigerant – equivalent split-DX units use up to 400 lbs!
- Our fluid-cooled design and sealed refrigeration circuits massively reduce environmental risk.
- Exclusive Fan Array Technology uses EC-motorized supply fans to move air at optimal efficiency and allow fan set back during non-active times for even further energy savings.

ADVANCED CONTROL STRATEGY, VENTILATION FORWARD

- Direct CFM control for supply air blowers.
- Full CFM monitoring and control are implemented on all outdoor air (OA) and exhaust air (EA) openings, ensuring proper balance and ventilation performance.
- Enthalpy sensor integration on OA to inform economizer decisions.
- Enables the use of the maximum available airflow openings for enhanced economizer cooling and dehumidification.