Precision Control to Protect Your Building Investment

Creates a Comfortable Pool Environment

Energy Efficient - Low Operating Costs

Environmentally Friendly R-410A Refrigerant

Smallest Application Footprint in the Industry

Integral Gas, Electric, Hot Water or Steam Auxiliary Heating

Integral Fresh Air Intake & Exhaust

Factory Wired & Tested

ETL Listed

Optional Split Systems

Precision Dehumidifiers for Indoor Swimming Pool Environments

The Only Complete Packaged Dehumification Systems From 2 ton (12 lbw/hr) - 230 tons (953 lbw/hr)
Superior Unit Features

- Double wall cabinet and access door construction. All panels have an inner wall that protects the insulation from moisture, increases sound dampening and is easier to clean.
- Access doors with stainless steel piano hinges.
- Compressors, controls and heating components are located in a single compartment isolated from the air stream for ease of service and longevity.
- High efficiency TEFC motors.
- Polyurethane paint exceeds a 2500-hour salt spray test.
- Run test report, wiring diagram, installation manual and startup form located in control access compartment.
- High efficiency scroll compressors are installed on a structural deck with rubber isolation mounts for quiet operation.
- R-410A environmentally friendly refrigerant.
- Thermostatic expansion valves on all DX systems for improved performance.
- Stainless steel condensate drain pan.
- Advanced refrigeration control for energy optimization and precision.

Premier Unit Options

- AAONAIRE® Energy Recovery Wheel.
- Interior coating for corrosion protection.
- Polymer coated refrigerant heating & cooling coils.
- Polymer coated dehumidification coil.
- Refrigerant to pool water heat exchanger.
- Power exhaust.
- Premium efficiency TEFC motors.
- Compressor isolation valves.
- Second stage compressor lock-out.
- Phase and brown-out protection.
- Occupied / unoccupied mode for energy saving operation.
- Horizontal supply and return air curb.
Large Indoor Swimming Pools and Aquatic Centers

Challenges
Indoor Swimming Pools pose challenges unique to their environment. Some of those challenges include:

- Preventing damage to the building structure
- Corrosion
- Mold and mildew
- Warm indoor air temperature
- Pool water evaporation
- Water chemical levels
- High operating costs

Large Indoor Swimming Pools have added considerations that small swimming pools do not, including:

- Wide variations in occupancy
- Wide variations in activity levels
- Jet sprays and water slides

Failure to properly control both humidity and temperature could result in swimming competition disadvantage and/or spectator discomfort.

AAON’s indoor pool precision dehumidification units dynamically vary capacity to solve these difficult scenarios and provide the most cost effective solution to the problems.

Solutions
Precise temperature and humidity control are essential in creating a comfortable indoor pool environment and operating cost control.

Unlike conventional ventilation systems, AAON’s unique unit design is available with an energy recovery wheel to capture and re-use energy, resulting in optimal environmental control, high energy efficiency and low operating cost.

AAON continues to develop innovative solutions for the challenges you face every day.

AAON’s pre-engineered software makes indoor swimming pool calculations quick and accurate.

AAONEcat32™ provides the information that you need to select the correct AAON equipment for the application.
AAON Environmentally Friendly HVAC Product Family

Customer Commitment – AAON encourages environmentally responsible design by incorporating many energy saving features into our superior heating and cooling products. In addition to energy efficiency, AAON also offers environmentally friendly R-410A refrigerant capability in all our cooling and heat pump equipment. As countries throughout the world phase out CFC and HCFC refrigerants, R-410A is becoming the global standard and AAON is leading the way!