

EXPERT HELP WITH YOUR POOL ROOM

POOL OVERVIEW

Dehumidification Protects Your Investment

Don't jeopardize your investment in an indoor pool by allowing excessive moisture to condense on and inside walls, ceilings and floors. Dehumidification controls humidity levels which can contribute to condensation and the growth of mold and mildew.

Dehumidification Saves Energy Over Conventional Ventilation

Conventional ventilation systems attempt to control pool room humidity by exhausting warm, moist air and bringing in outdoor air. The result is huge annual energy expenses. As dehumidifiers dry the pool room air, they capture heat energy from warm air and the moisture it contains. By carefully choosing where to release energy, dehumidifiers can give you big savings on energy bills.

Moisture Load Calculations

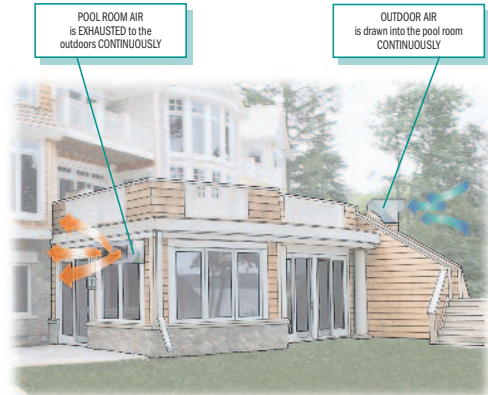
With thousands of successful installations in reliable operation, Desert Aire has the experience to provide the right dehumidification solution for your pool room. The key to proper moisture control is to understand how much moisture will be in the pool room air under various conditions. Desert Aire representatives use advanced software to calculate moisture loads and select the right dehumidifier quickly and accurately. *Application Note 10: Swimming Pool Dehumidifier Sizing* explains the theory behind the calculations.

HVAC System Design Information

Your contractor is responsible for understanding the heating and cooling loads for a pool room, and the heating requirements for the pool water. You will need to agree on acceptable pool room air and water temperatures. Auxiliary heating and cooling needs beyond what can be supplied by the dehumidifier should be addressed by your contractor.

Installation and Operation Support

Desert Aire's knowledgeable service personnel, plus a network of factory-trained refrigeration contractors, ensure excellent installation and service support. The most comprehensive warranty in the industry protects our dehumidifiers, remote condensers and controls



Conventional Ventilation

Cold Outdoor Air

Huge bills for heating outdoor air while previously warmed air is exhausted outdoors.

Hot Outdoor Air

Space is overheated when outdoor air is warmer than inside. Creates uncomfortable environment.

Humid Outdoor Air

Pool room humidity cannot be controlled.

With A Desert Aire Dehumidifier

Cold Outdoor Air

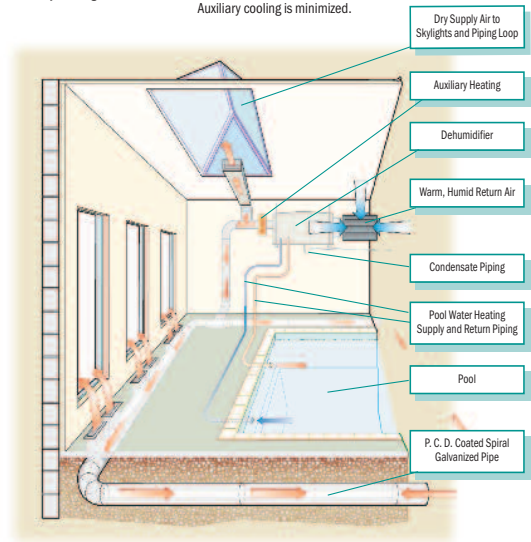
Captured heat is released into recirculating air to minimize auxiliary heating

Hot Outdoor Air

Dehumidifier cools by sending captured heat outdoors to outdoors to remote condenser. Auxiliary cooling is minimized.

Humid Outdoor Air

Pool room humidity is carefully controlled.



OPTIMIZING SOLUTIONS THROUGH SUPERIOR DEHUMIDIFICATION TECHNOLOGY

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