

## **DXAIR INDOOR POOL DESIGN GUIDELINES WELL WATER FOR USE IN COOLING POOL ROOMS**



When you have well water available, it is very advantageous to utilize it for cooling and for a number of reasons.

- (1) Our DXAIR dehumidification system is unique since it is the ONLY energy-recycling product on the market that reclaims and rejects heat to 3 places simultaneously as required. Example, in the dehumidification mode, the reclaimed latent heat and added compressor heat is rejected first back into the space. If the space is satisfied, it is then rejected back to the pool and if the pool has reached its set point temperature, the excess heat is rejected to the drain using a very small amount of well water.
- (2) Cooling with well water has lower equipment first costs; lower operating costs, and extends the compressor life considerably.
- (3) Installation costs are also reduced along with a significant reduction in maintenance factors. Water usage is also efficiently metered based on what function is being performed. If for example, you are cooling with only one compressor, only enough water is metered based on temperature to efficiently cool the one compressor. Spring, winter and fall, little or no water is used since we need the reclaimed heat put back into the room.

Note: If water has sulfur content, please check with VERI-DRY, LLC for viability of using well water.

In some cases, the amount of sulfur in water prohibits the use of well water for cooling or our geothermal applications.

Note that VERI-DRY, LLC is the only company that builds a complete line of DXAIR GEOTHERMAL

Dehumidifiers for open loop (well water) and closed ground or earth loop applications. Certain models have residential and commercial tax credits (30%/10%) for the complete equipment and installation of the system. Please contact VERI-DRY, LLC for additional information.