

IMPORTANT.... A POOL COVER IS A MUST HAVE FOR INDOOR POOLS. AN UNCOVERED POOL WITH A WATER TEMPERATURE OF 80 DEGREES FOR EXAMPLE WILL CREATE A LOT OF MOISTURE DURING COLD DAYS AND NIGHTS.



A pool or spa cover is recommended for indoor pools for a few reasons: (1) **To control the humidity (condensation) inside the enclosure when the pool is not in use.** *According to ASHRAE - room air temperature must be a minimum 2 degrees warmer than the water temperature to keep condensation controlled.* (2) By covering the water you can lower the ambient room temperature during the colder nights or winter days and save on energy costs to heat the environment and water.

As far as pool operating costs, let's look at the facts:

- According to U.S. Department of Energy and supported by various other sources, a full **70 %** of the energy used to heat a pool is lost by pool evaporation, whether the pool is indoors or outdoors. Outdoors, evaporation is accelerated by wind where a solid pool cover will greatly reduce it. Indoors, ventilation is critical by means of ceiling fans, hvac, and or dehumidification, but with a pool cover the need to remove moisture and turn over the air is close to eliminated.
- According to the DOE's Reduce Swimming Pool Energy Costs campaign, "it only takes 1 Btu to raise 1 pound of water 1 degree, but each pound of 80-degree water that evaporates takes a whopping 1048 Btu's of heat out of the pool."

An automatic cover will also save on water chemical costs as well as provide safety.