

Green Ways to Heat your Pool

There are 2 green ways of heating your pool. One is called solar thermal, and it consists of panels that absorb the heat of the sun's rays, heating the water for the pool. The other is a combination of an air-to-air heat pump coupled with a small solar electric system. Although both methods are better than traditional gas or oil fired heaters, our heat pump/solar electric combination provides the best cost/benefit, comfort, and maintenance profile. Here is how it works:

Heat Pump Swimming Pool Heaters

Heat pump: Heat pumps are an energy efficient way to heat your pool without the use of combustion of gas or oil. As the pool pump circulates the swimming pools water, the water drawn from the pool passes through a filter and the heat pump heater. The heat pump uses a liquid solution within an evaporator coil to absorb the heat from the outside air. The warm gas in the coil then passes through a compressor. The compressor increases the heat, creating a very hot gas. This heat is then transferred to the cooler pool water circulating through the heater. The heated water then returns to the pool.

Small solar electric system: The only energy required to power the pool heat pump is electricity, which can easily be generated from a small solar electric system that typically fits on the pool house, pergola, garage, main house, or is tucked away on your grounds. The amount of solar electric required for a typical pool is 2-3KW, which can fit on a 15'x15' roof.

Please check out our other guides for more help and advice for your swimming pool or spa or if you have any questions then feel free to contact us.

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