



Your Genersys approved installer.

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Solar Pool Heating
s y s t e m s



The cost effective way to heating your pool,

- Payback in as little as 18 months
- 35+ Year Life Expectancy
- 20 Year Guarantee



How Genersys Pool Heating Works

An array of Genersys thermal solar panels is installed on a south facing roof or south facing poolside area. The amount of panels required depends upon the size of the pools and the performance needed. The panels are connected through a sealed circuit to a specially designed chlorine resistant pool heat exchanger. The sealed circuit is filled with an edible glycol solution (in places where below freezing temperatures can be experienced).

What do the panels look like?

Old fashioned thermal solar panels look ugly; they usually cannot be integrated and if the pool water flows through them they have to be cleaned and descaled and often have a short pool life.

Genersys panels have been designed to be thin, aesthetically acceptable and yet light enough to be installed on pool side buildings.

What is the payback?

Of course, if you heat your pool by oil or gas, there is no payback. It's all an expense. Pay back varies according to where your pool is, in-door or out-door, is it covered at night, etc,.....Payback can be as low as 18 months.

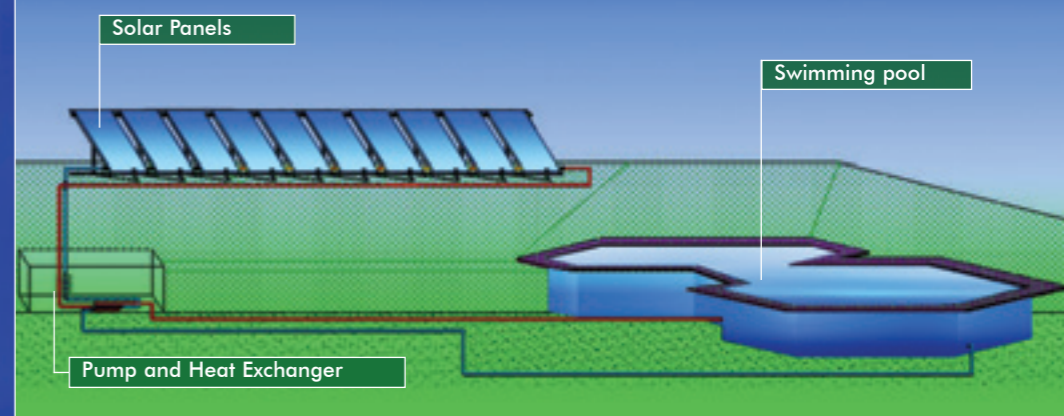
What about Guarantees?

Your installer will provide you with their own guarantee.

When light from the panels strikes the absorber surfaces heat is created. If the pool requires the heat a modulating pump pushes the glycol solution (and the heat it carries) to the heat exchanger. The heat exchanger carries the heat (but not the glycol) to the pool water that is pumped through it. The heat exchange operation is carried out immediately before the pool water is returned into the pool, after it has been filtered.

Provided the temperature at the panels is higher than the temperature in the pool, Genersys will heat the pool.

Fig.1 -Genersys Installation for Solar powered pool heating



Swimming Pools

Genersys thermal solar technology is the cost effective way to heat swimming pools, whether they are Olympic size or simply a small domestic pool. Instead of using expensive and inefficient fossil fuel to heat your pool use the natural light of the sun, a free source of energy, that Genersys converts into useful heat.

Our Philosophy

Heating your swimming pool by traditional fossil fuel is very expensive and very wasteful of the planet's resources. Burning gas or oil creates harmful emissions and increases our fuel dependency for sourcing our energy from parts of the world that may not always be stable, friendly or even capable of supplying our fuel needs.

Most swimming pools can be heated using only Genersys solar thermal technology, wherever they are situated. At Genersys we believe that it is important to design our products so that they look good, they are very long lasting and require the minimal amount of maintenance. Quality is the foundation of our philosophy.

We accordingly design pool systems using indirect heat exchange systems, high quality thermal panels that we build ourselves in Europe which we guaran-

tee to perform for ten years. The panels are designed to have a life span of more than 35 years and are made from easily recyclable materials, such as aluminium, copper and glass.

Genersys Performance

Pools should be heated to around 28°C. If you heat your pool to any significantly higher temperature algae and bacteria can cause problems unless you increase the chlorine levels significantly. Temperatures lower than about 25°C are uncomfortable for most people. Genersys thermal solar systems provide pool temperatures within the recommended range in most locations without the need to have a boiler system or an electric heating system.

These levels of performance are not possible in Northern latitudes in winter, when the daylight hours are short.

When your pool system is designed your Genersys approved installer will provide you with an estimate, based on meteorological conditions, of the performance range your system will provide.

the smart way way of helping the environment.