

# HEAT PUMPS vs SPAGHETTI SYSTEM vs SOLAPOOL PANEL



SOLAPOOL  
solar pool heating

Who doesn't want to use their pool for an extra few months every year?

Unfortunately, pools are often neglected during the autumn and winter months due to cooler water temperatures. This often leads to homeowners abandoning the idea of swimming and playing in the pool altogether during this time, and sometimes even makes them reconsider the benefits of having a pool when they only use it for a very small portion of the year.

## "Smart solar pool heating"

*-Dion Wessels, Perfect Storm*

So what about pool heating?

Traditionally, there have only been two ways to heat your pool - either using a heat pump or making use of the popular spaghetti solar panels, which utilises the sun to warm the water. There is a new player on the block, or should we say, on the roof - Solapool's amazing set of modular solar panels.

"On 13 August 2015 (pretty much winter in Stellenbosch) Solapool increased our pool temperature at 14°C 10:00 to 19°C at 13:00"

*-Francois Gerber,  
Stellenbosch Primary School*

An electric heat pump pool heater uses electricity to heat your pool. Even though the initial capital outlay is not substantially more than other options, it has high operating costs made worse by the current price of electricity in South Africa. Heat pumps do however provide a heated pool all year round, albeit excruciating expensive to keep an uncovered pool heated during the winter months, whereas

the solar options only work when there is sufficient solar energy (sun) to convert into heat.

The spaghetti panel method works in a similar principle to that of the Solapool modular panel system - both being superior to the electric heat pump method in that they use the existing pool pump to direct water to the roof where it is warmed by the sun. There are, however, a few key differences. For instance, instead of using fixed click together panels, the spaghetti method uses small PVC pipes that take up a lot of roof space and does not always appear aesthetically pleasing.

Solapool's method, on the other hand, uses much less space (half of the space required by the Spaghetti system to perform the same task). Each Solapool panel is approximately 2m<sup>2</sup> and you only need one panel for every 4m<sup>2</sup> pool surface or 5000litre. With the spaghetti system, you'd need to use the same square meterage on your roof as the size of your pool. Solapool cuts this in half.

Solapool's modular solar panels are made of top quality polyethylene to create an aesthetically pleasing product that has the added benefits of UV protection and heat stabiliser.

The modular solar panels are mechanically fastened to the roof with a universal fixing bracket instead of the rope or cable tie system that is used by the other solar heating system. With fewer penetrations to the roof thanks to this longer-wearing bracket system, your roof is better looked after with this method.

All components are manufactured using superior SABS-approved plastic which is



Schools/Hotels/Gyms



Guest House



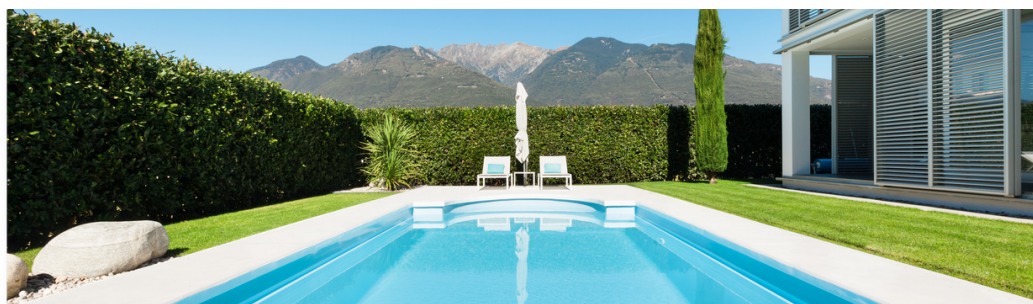
Home

resistant to the sun and these elements eliminate constant maintenance.

So, not only are the panels more secure and have a better lifespan, they look better too. An added advantage of using Solapool's solar panels is that just about anybody is able to install this system themselves - it's that easy to use! Due to their modular nature, they are also easier to transport.

Efficiency tests conducted by Solapool concludes that Solapool's panels are 100% more effective than the spaghetti per m<sup>2</sup> and substantially more efficient than the heat pump as it requires no additional electricity to heat the pool. With Solapool consumers will more than make their money back thanks to the panel's long lifespan and affordable operation costs.

Now you can truly swim all year round!



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