

Harness the power of the sun

Heatseeker Oku

Solar Pool Heating

Advanced German panel technology

Increase the use of your pool by up to six months using the free energy of the sun.

Swimming pools are a great source of exercise and entertainment. Unfortunately, most pools are used for less than three months of the year because they are too cold.

Solar pool heating is the most energy and cost effective way of heating a pool.

Our Heatseeker Oku solar pool heating is an extremely reliable, high performance product, which is capable of increasing your water temperature by approximately 10°C, ensuring you, your family and pool friendly neighbours get maximum fun, value and exercise out of that big watery investment in the backyard. The systems are low maintenance and very easy to operate.



Supreme Heating

Specialists in heating for homes & pools

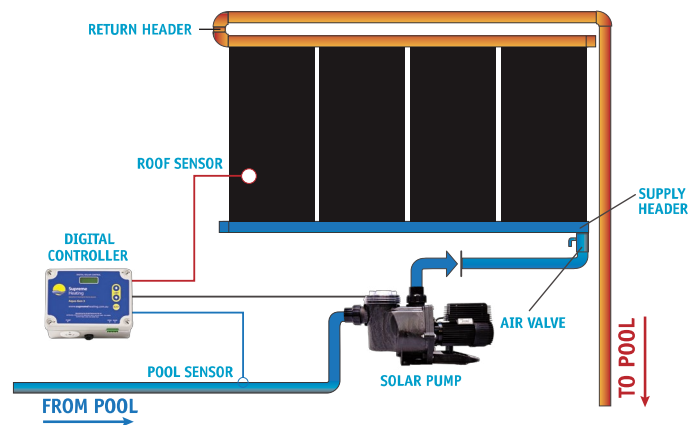


Solar Pool Heating
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How does solar heating work?

Pool water is circulated through a series of panels (the collector) installed on a suitably positioned roof. The water can flow through the solar panels in either direction, so they can be mounted both vertically and horizontally. As the pool water is circulated through the panels, it is heated from the sun's free energy and then returned to the pool. The water temperature can be managed by an automatic control system.

This form of heating is very inexpensive to operate and is ecologically friendly unlike fossil fuel heaters (gas or electric), which create pollution through their harmful products of combustion



Heatseeker Oku Profile

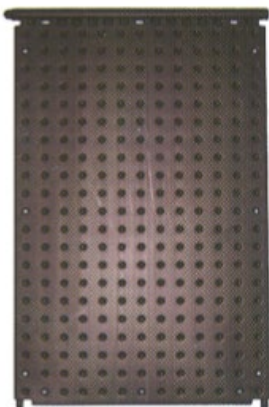
The Heatseeker Oku panels are manufactured in Germany and are made of high density polyethylene, which have a high pressure rating and thermal efficiencies.



The Heatseeker Oku system is ideal for installation in Australia's harsh climate. It can handle both extreme heat and extreme cold. Furthermore, it is highly resistant to birds such as cockatoos. These panels have survived being run over by heavy vehicles and can withstand the impact of hail. Combine the panel durability with a twenty five year product warranty, Heatseeker Oku is the perfect choice for your pool heating solution.

Heatseeker Oku 1000 (end) Panel

- Single integrated 40mm manifold
- Two 25mm connection pieces
- Length 1320mm
- Width 820mm
- 1.08m²



Heatseeker Oku 1001 (middle) Panel

- Four 25mm connection pieces
- Length 1280mm
- Width 820mm
- 1.05m²
- Connects to Oku 1000 Panel

Heatseeker Oku 1002 (dual manifold) Panel

- Dual integrated 40mm manifold
- Length 1360mm
- Width 820mm
- 1.12m²
- Ideal for narrow or irregular shaped roofs

For more details contact:

Pool Volume (m ³)	Number of panels required for direction of inclination				
	E	NE	N	NW	W
90	36	32	30	30	32
80	32	29	26	26	29
70	28	25	23	23	25
60	24	22	20	20	22
50	20	18	16	16	18
40	16	14	13	13	14
30	12	11	10	10	11
20	8	7	7	7	7
10	4	4	4	4	4

* Recommended number of panels according to pool volume (m³) for an outdoor pool with a pool cover (September to April). The panel quantity should be increased by 50% if there is no pool cover.

Automatic Control Systems

Why not allow the water temperature to be managed by an automatic control system? Controlling your solar system may no longer be a daily chore. Supreme Heating has combined the latest technology, together with user friendly concepts in the development of our extensive range of automatic solar controllers.

Our controller range has been designed to suit varying types of systems. The most commonly used controllers are our Aqua-Gen 3 and SSV7RT that are also available with optional wireless roof sensors, which eliminate the need for conduit and underground wiring.

Aqua-Gen 3

Suitable for systems where the pool has provisions for solar (a separate suction and return line dedicated to the solar system).



SSV7RT

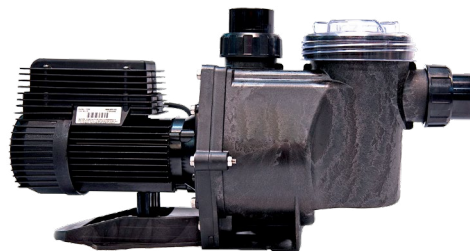
Suitable for systems where the solar is plumbed into the existing pool plumbing (no separate suction and return line dedicated to the solar system) and operates the filter time-clock and solar pump.



Purpose-Built Solar Pump

Manufactured exclusively in Australia since 2005, Supreme Heating's purpose-built SS Series Solar Pumps were the first to be released into the market.

The SS Solar Pump is specifically designed to suit the solar application where water needs to be pumped onto a high roof and correct flow rates achieved for optimum efficiency.



Specifications	
Low pressure drop	Approx. 0.003 bar at 200 l/h/m ²
Flow rate	150 - 250 l/m ² /h
Moulded in one piece	Homogeneous black
Weight	Approx. 6kg/m ² + water content 6 l/m ²
Testing pressure	4.5 bar at NT
Working pressure	Up to 1.2 bar - 40°C
Efficiency	Up to approx. 80% - power up to 0.8kWh/m ² Output 4-5kW/m ² per day
Average value	0.5 - 0.6 kW/h/m ²
Temperature resistant	From -50°C to +115°C