



SOLAR HEATING

Environmental | Free | Efficient



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YOUR POOL IS A BIG AND EXPENSIVE INVESTMENT, SO WHY USE IT FOR ONLY 12 WEEKS A YEAR? BY INVESTING IN A SAFE, ENVIRONMENTALLY FRIENDLY, EFFICIENT SOLAR HEATING SYSTEM, YOU WILL FIND MID SEASON AVERAGES OF 27° DEGREES WILL MAKE EVERYDAY SWIMMING A DELIGHT.

HOW DOES IT WORK?



The solar collector is positioned in a sunny area, either on a roof, on the ground or on a specially built frame. Pool water is then pumped through the collector using your existing pump. The water in the collector is heated by the sun and returned to the pool, turning your pool into a heat sink. It's that simple! Installing a fully automatic system allows you total freedom to enjoy your pool, without having to manually turn valves on and off. You simply add a Sunline digital controller and circulating pump. The controller activates the circulating pump when the difference between the ambient temperature and the pool temperature is 5° degrees or more and de-activates it when the temperature difference falls to 2° degrees.

HOW MUCH HEAT?

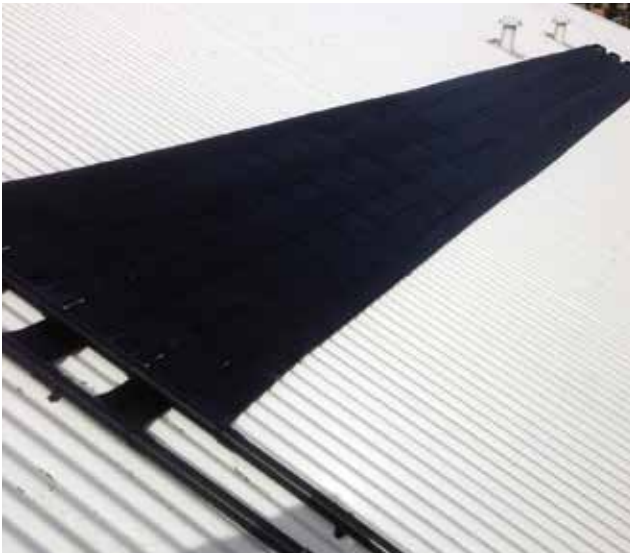
Under standard conditions you can expect a temperature increase of 5 to 7° degrees during the months of September to May.

HOW MUCH DOES IT COST?

Almost nothing! Once you have purchased and installed your Heating System the heat is free! You have almost no running costs such as you have with gas or electric systems.

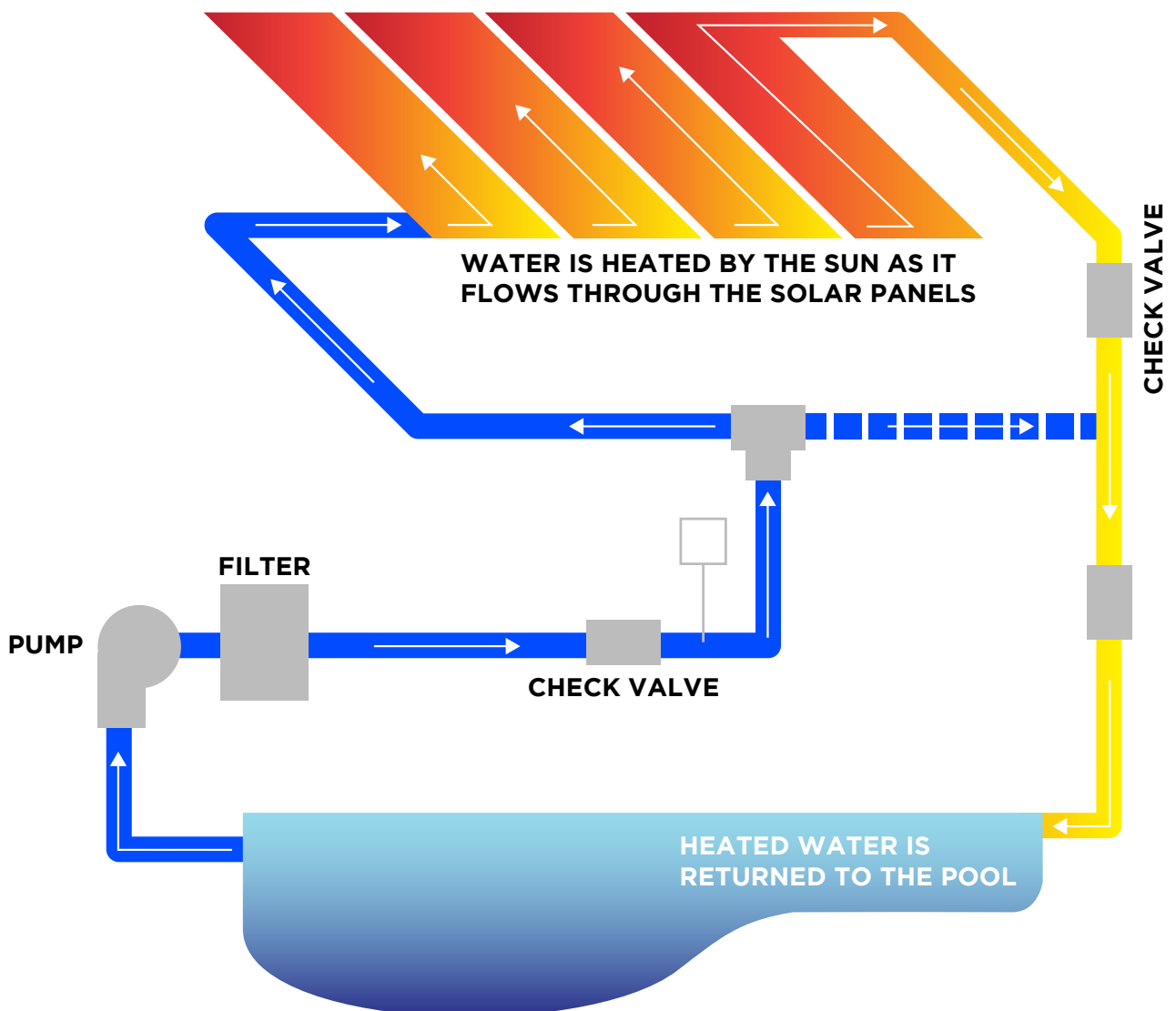
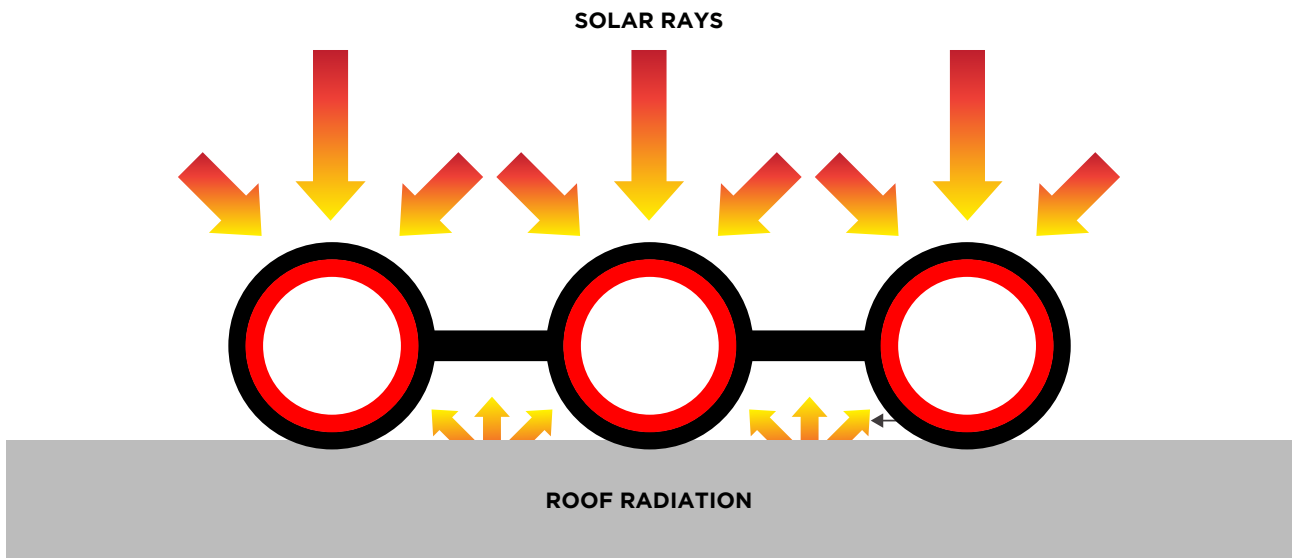
WHERE CAN IT GO?

The Sunline system is highly flexible - not a rigid structure like some systems. It follows the form and shape of your garage roof, garden wall or terrace. It can be tailor made to fit most any shape and is impervious to virtually all weather conditions. With our range of specially designed straps and clips, your system can be secured to almost any surface imaginable.



WHY A SUNLINE SYSTEM IN PARTICULAR?

Sunline is an Australian company that has been making solar heating for pools for over 10 years and if anyone knows about the sun, heat and swimming pools, we do! We also guarantee our solar collectors for up to 10 years. Plus our factory produces more extruded synthetic rubber than any other in the Southern Hemisphere. With the amount of production capability, our prices are a fraction of our competitors.



OPERATING GUIDE



1 - SOLAR CONTROLLER

The solar controller controls the solar pump. It continuously monitors the temperature difference between the pool water and the solar system. Whenever the solar system is 6° degrees warmer than the pool water the controller switches the pump on, when only 2° degrees warmer than the pool controller switches the pump off.

2 - VACUUM BREAK VALVE

This is installed in the pressure pipe to the solar system and allows air to enter the system after the solar pump turns off, protecting the solar pipe work against vacuum damage during hot weather. This valve usually makes a “hissing” noise when operating and may lose small amounts of water during operation.

3 - FILTER PUMP CONNECTION START-UP

Open diverter valve and run filter pump in the normal way. Close the diverter valve to send water through the system. Air will be purged from the system back to the pool. If the filter pump has excess capacity then this valve needs only to be partially closed, allowing sufficient water to pass through the system and the rest to pass directly into the pool. This eases the pressure imposed on the filter and increases filter turnover. The position of the valve should be marked for future reference. Sufficient water for the system is best assessed on a sunny day: the system should run with an outlet temperature of a maximum of about 20°-40° degrees above inlet temperature (pool temperature)

4 - BOOSTED SYSTEM START-UP

Run the filter pump in the normal way. Turn on the solar pump by turning on the solar computer. Air will be purged from the system back to the pool. It is essential that the solar run only when the filter pump is also running. This is achieved by using the same power outlet for both filter pump and solar computer (which energises the solar pump). This power outlet would normally be time clock controlled, with the time clock set to run between 9.00am and 5.00pm.

5 - INDEPENDENT SOLAR SYSTEM

Once the air temperature reaches the desired degrees, the Sunline Solar Controller will automatically switch on the Sunline pump and begin pumping water through your system. This is achieved by with separate suctions and returns installed into your pool. Completely automatic, the Sunline Solar Controller saves energy and in turn saves you money.

COMPONENTS





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