

HOW POOL SOLAR POOL HEATING WORKS

SIMPLE and EFFECTIVE:

All SUNCATCHER SOLAR SYSTEMS use our panels fitted to your roof, a digital temperature sensor measures the roof temperature and another sensor fits in the water stream before the pump.

When the roof panels are 8 degrees C higher than the pool water temperature, the sensor activates the SOLAR controller and signals the pump to circulate the pool water through the SUNCATCHER PANEL collectors and the heat transfers directly from the SUN WARMED panels into the pool water which flows back to the pool warmed up between 4 and 10 degrees C depending on the time of year.

The water is pumped to the roof in one of three ways:

1. **Independent System:** A pump is supplied water directly from the pool and when the controller activates the pump, it pumps the water through the heated panels and then back to the pool nice and warm. (this is independent of the pool filtration system.
2. **The Dependent or integrated system:** An additional booster pump is supplied water directly from the pool filter return pipe, intercepting filtered pool water diverting it through the heating system and returning it into the normal return pipe to the pool, warmed. This means that the two pumps need to run together to send the water through the heating system.
3. **Filtration System fitted with a Diversion valve and auto valve controller: The pools existing filtration pump is used:** The pump is fitted with a special automatic diversion valve, when the solar system controller detects sufficient heat in the panels, the filtered pool water is diverted to the solar system. This uses the existing pool pump ie one pump to send the water to the roof panels and back to the pool.

For further detailed information email sales@solarsplash.com.au

