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Innovative Solar Heating for your pool and spa



Solartherm Pool & Spa Heating System

Solartherm Pool Heating System is a new and revolutionary way of using solar energy to heat your pool.

The Solartherm Panel is enclosed in an Anodised Marine Grade Aluminum Box and covered by a hail resistant Polycarbonate sheet, making it a durable and low maintenance system. Heat losses from the wind are kept to a minimum.

How it works

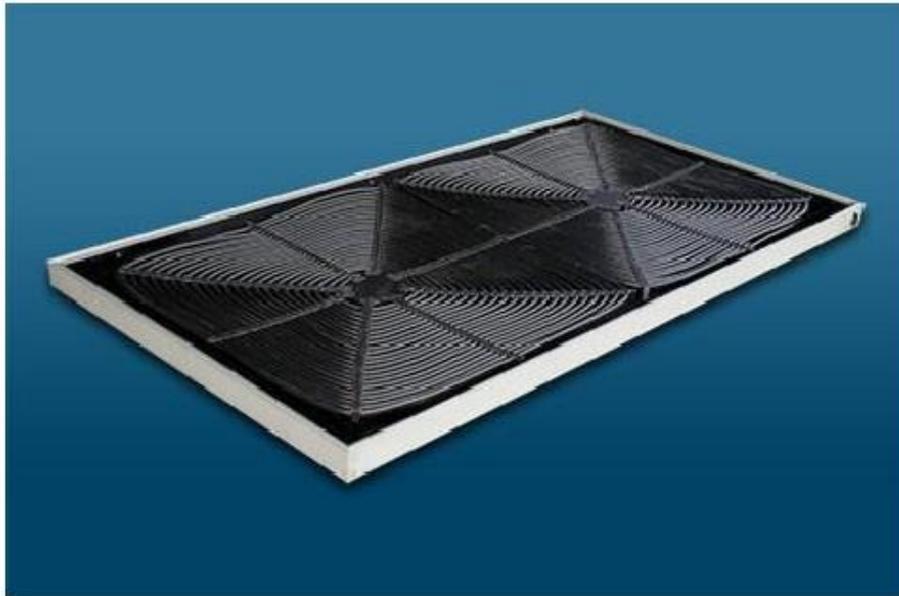
Water is re-circulated from the pool to the Solartherm Panels by a booster pump. The Solartherm Panels absorb the solar energy from the sun into the water and return the heated water back to the pool, thus raising your pool temperature. A specially designed Solar Controller attached to your pump will keep your pool at the desired temperature in a cost effective manner. In addition, the Solar Controller will also ensure the Solartherm Panels will be protected in all seasons of the year. **It is important to note that the Solartherm Panels must be filled with water at all times to preserve the integrity of the solar heating system.**

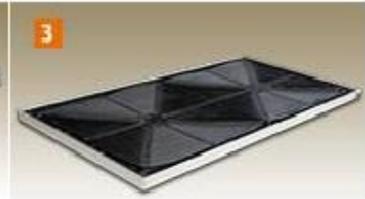
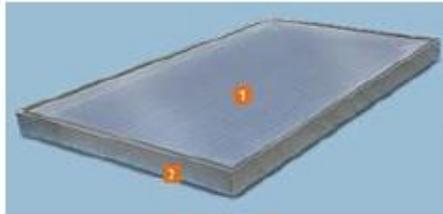


One Solartherm Panel will heat about 8 to 9 square metres (sqm) of your pool surface area and this will vary depending on locational factors. If you wish to achieve a higher pool temperature, additional Solartherm Panels can be added to your current system (subject to roof space) at a later date, as the Solartherm Panels are modular. Because of the unique design of the Solartherm panel, the panel can be installed in a vertical or horizontal position

Solartherm Panel

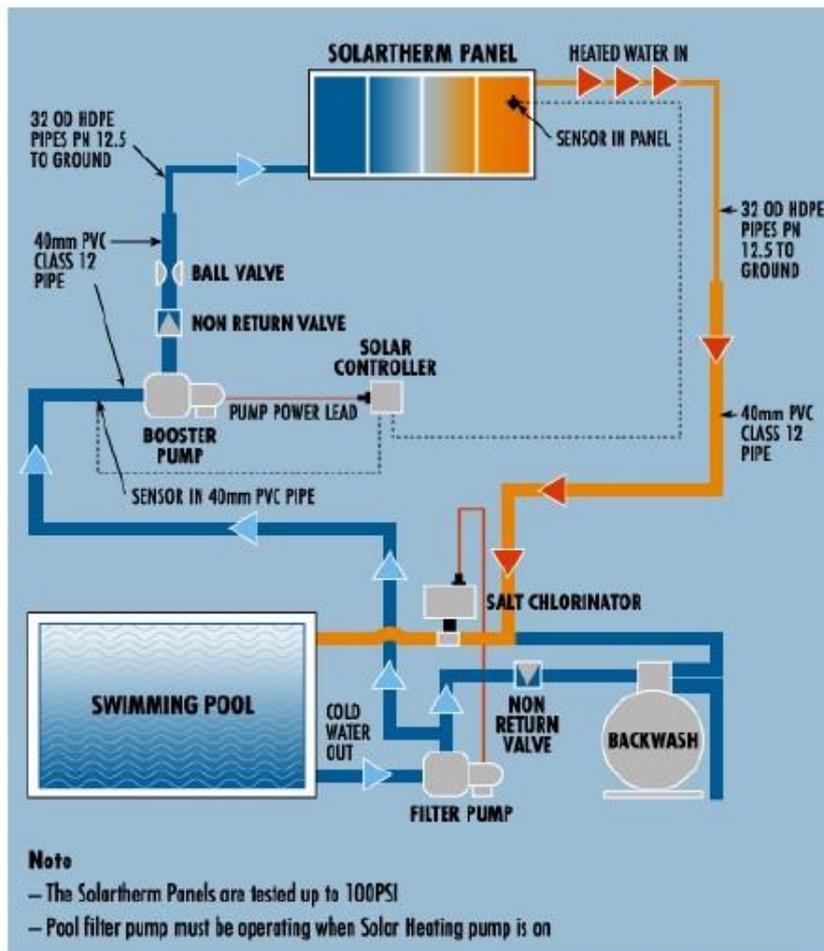
The Solartherm Panel is made of HIGH DENSITY POLYETHYLENE (HDPE) pipes specially coiled together using our proprietary welding machines and techniques to achieve a leak free panel that is tested to 100 psi.





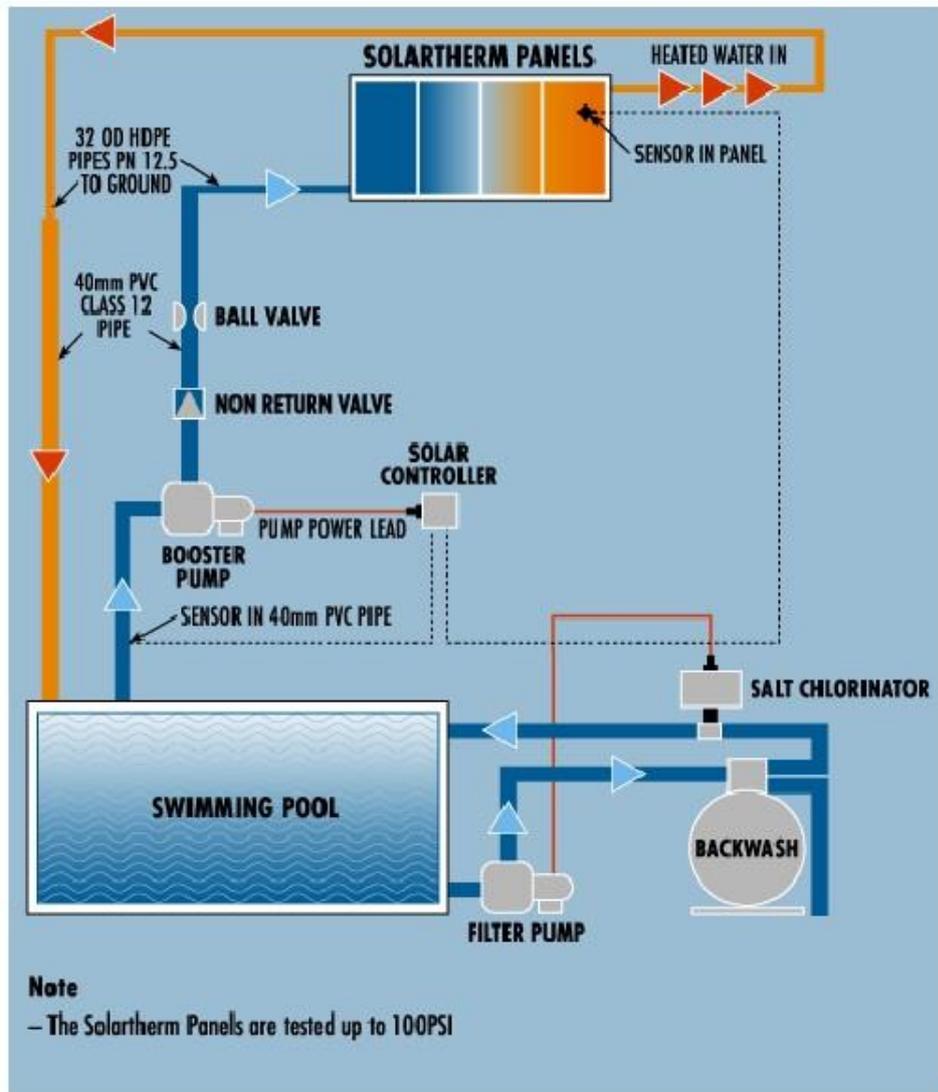
1. Hail resistant polycarbonate cover
2. Anodised aluminium box
3. Solartherm panel inside box

System Configuration – Pool that is not plumbed for Solar Heating



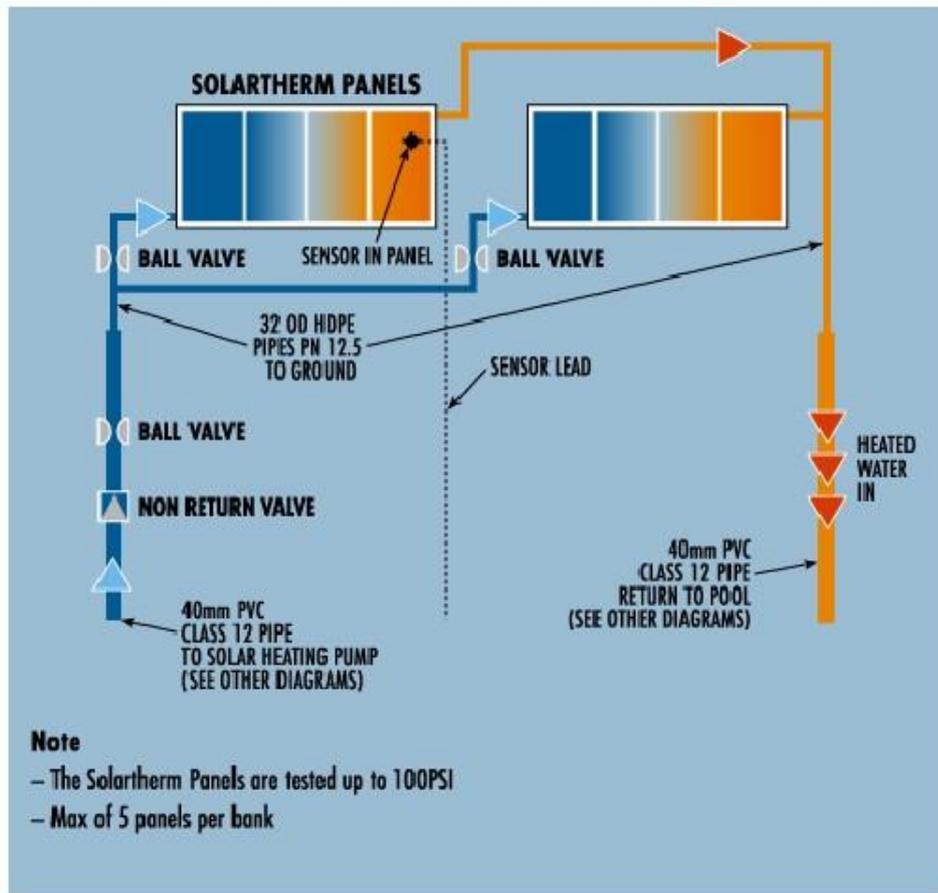


System Configuration – Pool that is designed for and plumbed for Solar Heating





System configuration when multiple banks of solar panels are required





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Solartherm Panel Technical Specifications

Length (OD)	2,250 mm
Width (OD)	1,185 mm
Height	75 mm
Weight (Dry)	36.6 kgs
Weight with water	50.6 litres
Surface Area	2.67 sqm
Actual Roof Loading	19.0 kgs/sqm
Standard Roof Loading	25.0 kgs/sqm

Note: A smaller panel can be specially made to meet the requirements of smaller volume heating applications eg. Floor Heating. The Solartherm Panel Technical Specifications are subject to changes without prior notice.



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