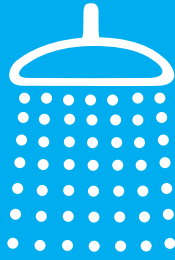


Solar Hot Water

Evacuated Tube
collectors



COUNTRY
SOLAR

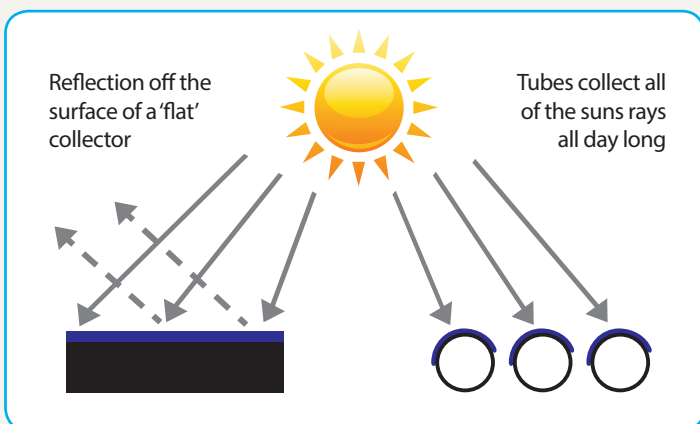
Using solar hot water energy is a cost effective and efficient way to drastically reduce or eliminate your ever increasing energy costs.

The evacuated tube collectors are able to pre-heat water temperatures up to 90°C and higher. They work efficiently and reliably no matter the climate, temperature and environmental conditions. This provides a unique solution, no matter your location in Australia.

- Save up to 90% per year off your water heating power consumption.
- The tube design allows up to 5 hours more solar collection each day.
- Self cleaning, no mould build-up, no performance drop-off.
- The tube performance is not affected by ambient daily temperature, unlike flat plate technology.
- Evacuated Tubes are 40% more efficient than flat panels.

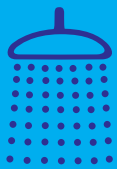


Evacuated tubes catch and keep the sun's radiation and reflect less of the sun's energy



Why we chose SolarArk

- Offer a 15 year warranty - the longest available in Australia
- 100% Australian owned
- SolarArk 'registered design heat-exchange manifold' is 12-25% more efficient than other designs
- SolarArk are rated as having the highest Solar Savings of any evacuated tube solar collection system
- Triple Target Tube = 96% Efficiency



Solar Hot Water

Evacuated Tube



COUNTRY SOLAR

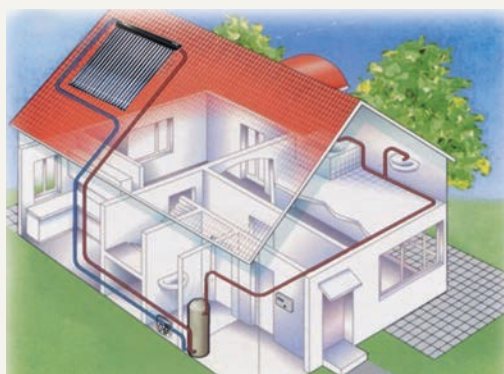
How the system works

The design of the cylindrical evacuated tubes allows maximum absorption of the sun's energy to convert it to heat.

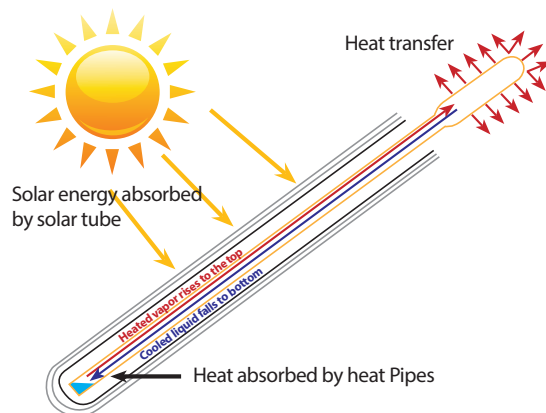
The cold water from the bottom of the storage tank is pumped up to the insulated manifold of the solar collector, which passes through the heat exchanger. It absorbs the heat and is returned back to the storage tank.

The controller measures the differential temperature between the water supply from the bottom of the tank and the water returned from the collector to maintain the set temperature within the storage tank.

The circulation pump operates intermittently throughout the day to maintain maximum hot water output and minimise energy consumption.



The evacuated tube system



Sunlight passes the outer glass layer through the vacuum and into the selective coating of the inner glass layer, trapping the heat within the evacuated tube.

Heat is transferred to the copper heat exchanger within the insulated manifold via a high performance heat pipe.

An energy efficient circulating pump is used to transfer water to the heat exchange where it is solar-heated as it passes across the heat pipes. The solar-heated water is returned to the storage cylinder.

SolarArk systems are resilient in all weather conditions from extreme heat waves and hailstorms, strong winds to freezing temperatures.



Domestic Solar Hot Water Price List:

250 Litre Tank 20 Tubes		Vitreous tank (enamel), installed: \$4,100 incl GST
315 Litre Tank 20 Tubes		Vitreous tank (enamel), installed: \$4,500 incl GST
315 Litre Tank 30 Tubes		Vitreous tank (enamel), installed: \$4,900 incl GST
400 Litre Tank 30 Tubes		Vitreous tank (enamel), installed: \$5,400 incl GST
Tilt Frame		Additional \$350



Domestic 'Tank Only Install' Prices:

250 Litre Tank	\$1,950 incl GST
315 Litre Tank	\$2,050 incl GST
400 Litre Tank	\$2,300 incl GST

Replace your electric storage water heater now, install the solar evacuated tubes in the future.

- INCLUDES**
- Solar Ready tempering valve
 - Form 4 submitted to council
 - Unit capped off ready for solar

