

your solar solution to

escalating energy costs



Your **solar heat** hot water system will produce hot water FREE from the sun for up to 85% of the year. During the few days in a year when the sun is not quite enough, an electric element boosts your water temperature.

Your **solar heat** swimming pool system will increase your pool temperature for up to 8 months of the year at no extra expense.

unreliable electricity supply



Your **solar heat** hot water system will, unlike electric geysers, ensure piping hot water even during prolonged power failures.

Investing in a **solar heat** hot water system can also overcome the problem of too little power to your property, which often occurs when adding new bathrooms (additional geysers).

Adding value to your property



Installing energy efficient **solar heat** household water heating products is a good investment. They diversify your reliance on a single energy source and offer ultimate convenience and comfort whilst keeping running costs low.

It is clear from the growing number of people who use it as an added value sales argument when selling their homes that **solar heat** products increase the value of a property.

Responsible energy use to protect our environment



Climate change is one of the most serious environmental issues facing the world today. South Africa burns over 100 million tons of coal per annum for our electricity production. Water heating is the most energy intensive household electricity consumer. The average household geyser contributes approximately 4.5 tons of CO₂ emissions into the atmosphere per annum.

clean and inexhaustible energy



South Africa enjoys some of the highest levels of solar radiation in the world.

By making use of the sun, we reduce our dependence on fossil fuel generated electricity and do not pollute our environment.

solar heat hot water system installation options

solar heat close coupled system



The most cost effective and simple way to install your **solar heat** hot water system is on top of your roof, inclined and facing north. This type of **solar heat** installation is referred to as a close coupled system and makes use of natural convection for its operation. The process of hot water rising in a **solar heat** hot water system is known as the thermosiphon principle.

solar heat split system




You can separate your **solar heat** geyser from its collectors by installing the solar geyser high up within your roof with the solar collectors fitted lower than the geyser externally, inclined and facing north. This type of **solar heat** installation is referred to as a split system and makes use of the thermosiphon principle.

solar heat pumped system



If the installation of your **solar heat** geyser within your roof is not preferable or possible, the solar geyser can be positioned in any convenient place within your home as long as the solar collectors are still fitted externally, inclined and facing north. This type of **solar heat** installation is referred to as a pumped system. It makes use of a small circulation pump which moves the heat from the solar collectors to the solar geyser. This pump can be electric or solar powered.


hot water systems



Geysers are one of the single largest contributors to household electricity consumption.

The installation of a **solar heat** hot water system ensures piping hot water all year round at nearly no running cost. A **solar heat** hot water system ultimately pays for its self by saving up to 85% of your hot water bills.

swimming pool heating systems



It is fact that most swimming pools are used for only 4 to 5 months of the year because they are simply too cold. The installation of a **solar heat** swimming pool heating system increases swimming pool water temperatures by up to 12°C, extending your swimming season with no running costs.

solar heat swimming pool blankets help to maintain warm swimming pool temperatures by preventing heat losses and evaporation.

other energy efficient solar heat products

- Commercial & Industrial **solar heat** hot water systems
- Energy efficient swimming pool heat pumps
- Solar assisted Water Based Under Floor Heating systems
- **solar heat** gas back up hot water systems



Since 1987 **solar heat exchangers** has been designing, manufacturing and distributing **solar heat** hot water systems throughout Southern Africa.

Today the company is one of the leading South African specialists in various solar and energy efficient water heating applications, and is proud of its reputation for technically superior products and quality workmanship.



solar heat
exchangers

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