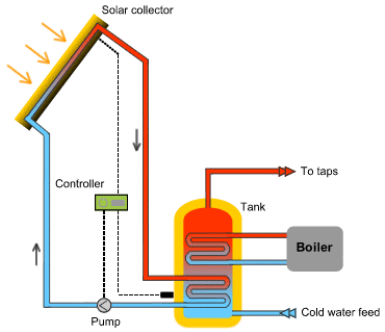
Custom made solutions-Sustainable equipment-European state-of-the-art technologies

BE SMART ….BUY SOLAR THINK DIFFERENTLY…INSTALL SUSTAINABLE

Solar Water Heating : SHW

Domestic hot water production is the most common application which can be powered by solar energy. All the basic hot water needs in a household such as bathing, showering, laundry, and dishwashing can use hot water produced with solar energy in order to decrease the need for conventional fuels.

How does it work? Free solar energy will heat water in the solar collector on the roof, that will be transported to the solar cylinder which is specially designed to store the heat very efficiently. For NZ conditions it is proven that a closed loop system is the most reliable and efficient way to maximise the performance and savings. This means the need for a separate solar cylinder with internal coil inside the cylinder. The innovative controller and sensors are positioned in such a way that maximum performance can be guaranteed.

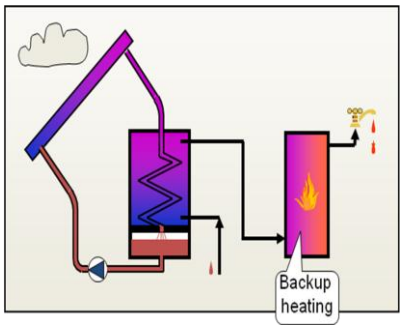


Solar concept for NZ conditions

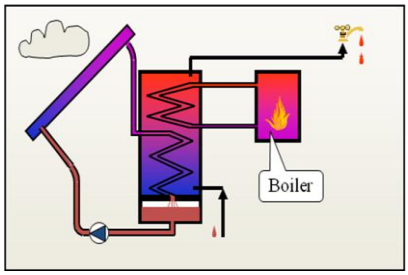
Advanced solar cylinder in bathroom

How much energy savings can you expect ?

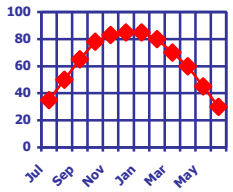
During summer almost all hot water can be provided by the solar system. In the winter the sun may provide 30% or more of the required needs. An advanced solar hot water system can save you more than 70% on your hot water bill. Almost 8 months of the year, the water will be heated between 40-85C, while other months the cylinder will show temperatures between 25-40C. Auxiliary heating can be provided with electricity, gas or wetback. Choice can be made between internal or external back-up heating.



External back-up heating



Internal back-up heating



Temperatures in solar cylinder

The most advanced solar system is the closed loop drain-back system

EWA-TEC Ltd. proposes advanced state-of-the-art technology with following features:

- Flat plate glazed collectors with tempered, low-iron glass and high selective copper coated absorbers are the most reliable
- Stainless steel storage tank, insulated, vertical position with maximum stratification and no maintenance
- Differential temperature controller requiring minimum pump energy and contolling the performance in kWh
- Closed-loop Drain Back system wich will never freeze or overheat; water in the system does not need anti-freeze or safety equipment
- Custom sized systems ….oversizing is not economical
- Simple and quick to install...plug and play system
- Worldwide certified from objective institutes in Germany, UK, France, Belgium, Netherlands
- Lifespan proven in Europe over 30 years

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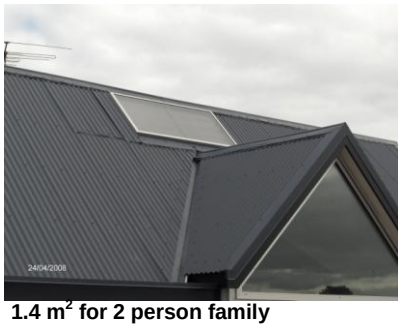
Some typical domestic systems for all roof types



1.4 m^2 for 2 person family

1.4 m^2 for 2 person family

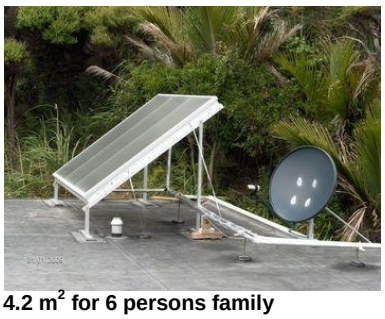
Plug and play solar cylinder+gas

2.8 m^2 for 4 persons family

2.8 m^2 for 4 persons family

2.8 m^2 for 4 persons family

4.2 m^2 for 6 persons family



4.2 m^2 for 6 persons family

8.4 m^2 for large families

For more information or inquiries, contact your local agent-specialist

LOCAL AGENT/ SPECIALIST

For specialised inquiries or large scale applications, contact EWA-TEC Ltd

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