

# Sunriver Solar Hot Water Systems - the attractive, efficient choice for your home



## Why choose Sunriver?

When you buy a Steelfort Sunriver system you buy 65 years of New Zealand manufacturing experience. Starting out as a stainless steel product manufacturer in 1946, today Steelfort produces, and is the agent for, a family of brands spanning a wide range of quality, high performance products for both domestic and industrial use.

An unparalleled commitment to quality at all stages of the manufacturing process ensures all Steelfort products deliver innovation and value. We back this up with an equal commitment to providing all our customers with quality service. And we're prepared to put our money where our mouth is: buy a Sunriver Solar Water Heating System and you get the added security of our product guarantee and back up service – all right here in your backyard.

### > The Steelfort Sunriver warranty

Warranty	Component
10 years	Manifold, footers, assembly frame, rails and evacuated tubes
2 years	SolaStat Plus Controller and Relay
2 years	Wilco Star-Z Pump



Sunriver solar hot water units are registered and eligible for Government funded Grants and Loan Scheme (subject to suitable hot water cylinder).



Sunriver SR24 and SR48 are both ENERGY STAR® qualified, which means they're amongst the highest performing solar water heating systems available in New Zealand, are backed by comprehensive warranties and meet the latest New Zealand water heating standards for design, construction, and energy performance.

### > Start saving today!

With growing concerns over climate change and the security of supply of non-renewable energy sources, there have never been more reasons to consider solar water heating. Talk to us today to find out how you can start saving – both on your budget and the planet – while still enjoying the comfort of hot water 0800 hot water. 468 928.

Manufactured By



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# Solar hot WATER



STEELFORT  
**Sunriver**  
powered by light

# Nature's energy on tap

The sun is the ultimate natural, free energy source. The roof top of an average home collects about 50 times as much solar energy as a household requires. Sunriver Solar Water Heating Systems capture that free energy so you can bask in the luxury of hot water year after year, with a free conscience.

## > Solar water heating - the sustainable choice

No carbon emissions, no greenhouse gases. Solar energy can provide abundant heat. With the increasing costs of other traditional power sources – and the growing environmental costs – switching to a solar-based hot water system has never made more sense. You may be managing your energy bill today, but who can say what your bill will be in five or 10 years? Any saving you make today will only increase in the future.

## > A Sunriver Solar Water Heating System - a good investment:

Normally 50% of your power account is for hot water. Installing a Sunriver solar water heating system can save you up to 75% of your hot water costs. With this saving your investment can be repaid within 5 years – even less if eligible for a government funded grant.



Yearly hot water costs (Solar Industries Assoc)

## > How will Sunriver work for you?

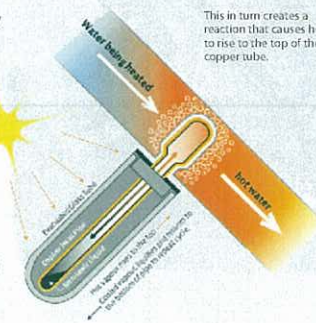
Sunriver collectors capture the sun's free, clean renewable energy – even on cloudy days – to deliver abundant hot water – pure and simple.

The energy is provided by sunlight, the light from the sun is absorbed into the heat pipe.

This in turn creates a reaction that causes heat to rise to the top of the copper tube.

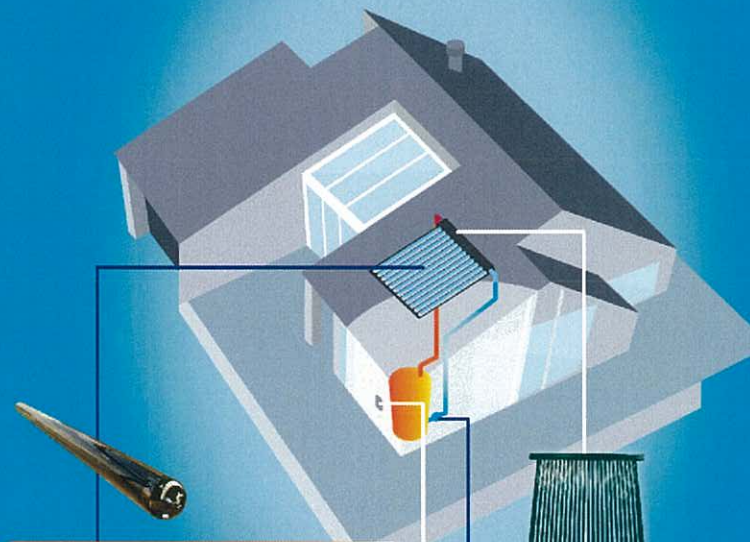
Solar energy absorbed by heat pipe inside tube

The heat from this is then transferred to the copper manifold which heats the water that is passing through.



# Sunriver

## > the contemporary choice



### > EVACUATED TUBES

- > Highly efficient absorbance of solar energy.
- > Will still transfer energy (reduced) on dull and overcast days.
- > Resistant to hail and compliant with the Australia/New Zealand impact test standard.
- > Resistant to corrosion and will not freeze in frost conditions.

### > SOLARSTAT CONTROLLER

- > Designed and manufactured in New Zealand
- > Controls the Sunriver Water Heating System at maximum efficiency ensuring a consistent hot water supply.
- > Biosafe feature maintains safe water conditions
- > Frost function prevents freezing in the system.

### > SUNRIVER COLLECTOR

- > Designed and Manufactured in New Zealand by Steelfort
- > Made with Electro galvanised steel and power coated using certified corrosion proof paint
- > Also available in Stainless Steel for extreme corrosive environments.
- > Unique lower footer adds extra protection for the tubes.

### > WILO STAR Z PUMP

- > Complies with regulations for pumping drinking water.
- > Uses less power than a 60 watt light bulb.

# > choosing Sunriver

## > Packaged systems

Sunriver packaged solar water heating systems have been tested as a whole to ensure all components are well matched and work efficiently together.

Each system is sized according to demand for hot water. The more hot water you use, the larger the storage tank and collector should be. The number of people living in your house and the size of your hot water cylinder is a good guide for how large the system should be.

HOUSEHOLD SIZE	HOT WATER CYLINDER	RECOMMENDED SUNRIVER SYSTEM
1 to 3 people	150 TO 220 litres	SR24
3 to 5 people	210 to 325 litres	SR36
5 to 7 people	250 to 350 litres	SR48

## > Customised systems

Steelfort has the design expertise and manufacturing skills to produce a Sunriver solar water heating system to meet individual requirements for domestic, farming and commercial use.

### > HOMES



### > DAIRYSHEDS



### > SUPERMARKETS



## > Installation

The key to a successfully operating solar water heating system is the quality of the design of the system as a whole and the experience of the installer. Sunriver only recommends solar water heating accredited installers who are registered with EECA. To view the nationwide list of Sunriver installers, please go to [www.sunriver.co.nz](http://www.sunriver.co.nz) and click on 'where to buy'.

A building consent is required for installation which your installer will assist you with. Some councils offer reduced consent fees to encourage solar water heating.

