



SolarPeak[®]

**solar powered
water heating systems**



The world's best solar heating technology at a price you can afford

When purchasing a SolarPeak solar water heating system, you can be sure that you have chosen a high quality system from a proven, accredited supplier. SolarPeak products meet or exceed all New Zealand building regulations and are manufactured to ISO 9001 standards, ensuring suitability for a broad range of domestic and commercial applications.

STYLISH AND VERSATILE

The SolarPeak AP is an excellent choice for your domestic hot water requirements. Its low profile design is an aesthetically pleasing and unobtrusive addition to your home. The unit can be provided with an adjustable frame to suit various roof pitches and is easily fitted to different types of roofing material. A SolarPeak can be easily installed on new homes, and existing homes with ordinary hot water cylinders. The SolarPeak AP is compatible with wetback fires and instant hot water systems.



SAFE AND TROUBLE FREE

SolarPeak installations are undertaken to the highest standards to ensure safety, optimum performance and system longevity. SolarPeak solar water heating systems are installed by local, qualified, and experienced installers.

A SolarPeak AP solar collector should last 30 years under normal operating conditions with minimum maintenance, ensuring an ongoing valuable contribution to your household energy budget.



Advanced technology for superior performance

EVACUATED TUBES FOR BETTER PERFORMANCE

The SolarPeak AP uses the latest evacuated tube technology, which delivers a higher output than other types of solar collectors and is extremely reliable under all conditions.

The tubular design of an evacuated tube effectively captures solar energy from all angles, whilst the surrounding vacuum prevents heat loss in the same way as a vacuum flask. The captured heat is conducted into a high performance heatpipe which rapidly transfers heat from the evacuated tube to the unique heat exchange manifold, where heat is transferred to the water.



SolarPeak evacuated tubes are manufactured from high impact borosilicate glass (Like Pyrex), which is exceptionally strong. Evacuated tubes are designed to withstand 25 mm hailstones and temperatures lower than -50° Celsius.

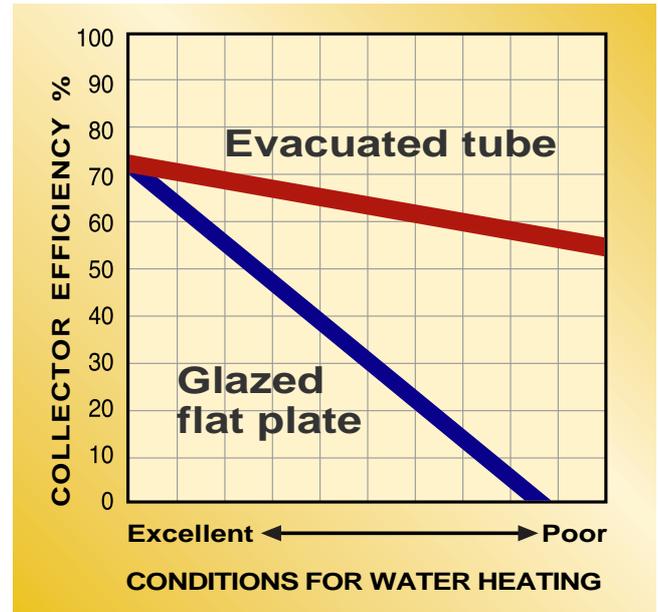
EASY TO INSTALL AND SIMPLE TO OPERATE

The SolarPeak AP is easily fitted to both new and existing hot water storage cylinders, and under normal circumstances requires user input.

Water is circulated from the bottom of the hot water cylinder into the collector manifold and back to the hot water cylinder by a digitally controlled low wattage pump. This pump is activated when the temperature difference between the collector manifold and the hot water cylinder reaches the predetermined setting. Intermittently running the pump is efficient and extends its service life. If electricity is not available, the SolarPeak AP can be configured with a 12 volt controller and pump, in conjunction with photovoltaic cells and a storage battery. This configuration will ensure that the system will still function during powercuts and emergencies.

When building a new home, your SolarPeak dealer can liaise with your architect on all configuration requirements, such as optimum roof pitch and the correct type and positioning of the hot water storage cylinder. This will ensure that your SolarPeak solar heating system will deliver to its maximum potential.

EFFICIENCY COMPARISON OF EVACUATED TUBE AND GLAZED FLAT PLATE COLLECTORS



COLLECTOR EFFICIENCY %

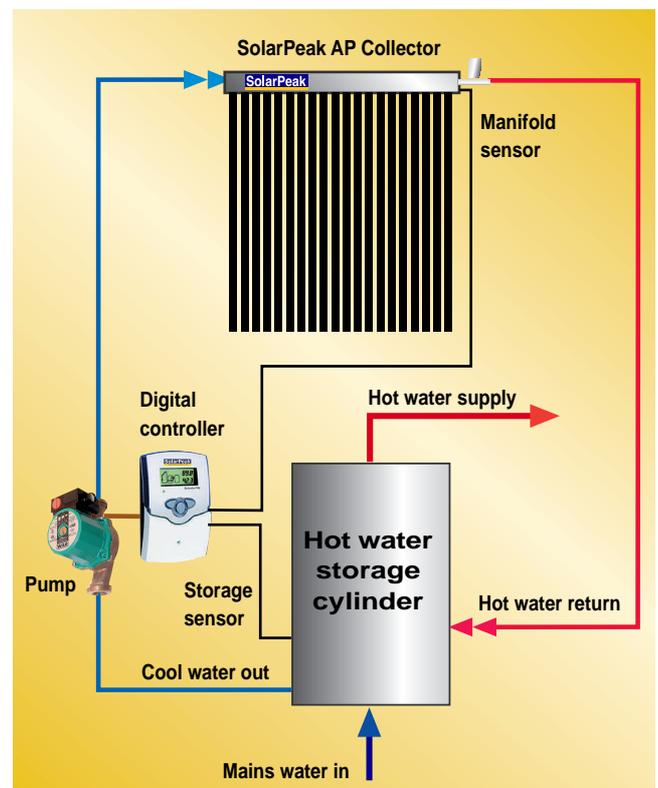
The amount of sunlight that is converted into useable heat.

CONDITIONS FOR WATER HEATING

Excellent = summer, cloudless conditions, overhead Sun (midday), no wind.

Poor = winter, cloudy, cold, windy, low Sun angles (early morning, late evening), high incoming water temperature.

SIMPLIFIED DIAGRAM OF A TYPICAL SOLARPEAK AP SYSTEM CONFIGURATION



A few good reasons why people choose SolarPeak



SOLARPEAK IS SIA ACCREDITED

SolarPeak Limited is a Fully Accredited Member of the Solar Industries Association, the government backed guardian of solar hot water installations in New Zealand. With SolarPeak, you can be sure of buying a quality product from an accredited, experienced supplier. As an Accredited supplier, SolarPeak is able to offer current government incentive schemes.

SOLARPEAK PERSONNEL ARE HIGHLY QUALIFIED

SolarPeak dealers, installers and plumbers are comprehensively trained and experienced in the design and installation of an affordable and efficient system to suit your individual requirements. They can also obtain the required permits, and if you are building a new home, liaise with your architect, builder, electrician, and plumber.

SOLARPEAK PRODUCTS ARE OF SUPERIOR QUALITY

SolarPeak systems are fully warranted against faulty materials and manufacture. Extensive use of stainless steel and durable other materials ensures an extended service life, safe from frost damage, corrosion, and performance loss.

SOLARPEAK SYSTEMS DELIVER UNSURPASSED PERFORMANCE

SolarPeak solar water heaters use advanced evacuated tubes, which delivers a significantly higher level of performance than previous systems. This ensures excellent year round water heating, even during marginal conditions, and a faster payback time on your investment.

INSTALLING A SOLARPEAK IS EASY AND AFFORDABLE

Fitting a SolarPeak to your existing hot water cylinder is easy and affordable. When building a new home, a SolarPeak will provide benefits that far outweigh the low initial investment.

A SOLARPEAK WILL HELP YOUR ENVIRONMENT AND SAVE YOU MONEY

When you install a SolarPeak, you add value to your home and acquire an asset that will reduce your water heating bill by at least 75%. As the cost of power increases, so do your savings. Once your SolarPeak has paid for itself, your savings will provide you with an ever increasing return on your investment.

A SolarPeak produces no pollution and is made from 100% nontoxic and recyclable materials. Investing in a SolarPeak will benefit you and your environment.

Contact your nearest dealer for advice and an obligation free solar assessment.

See the
EECA case studies on
SolarPeak products at
www.solarpeak.com

Local dealer free phone 0508 468 928

or visit www.solarpeak.com for more information.