

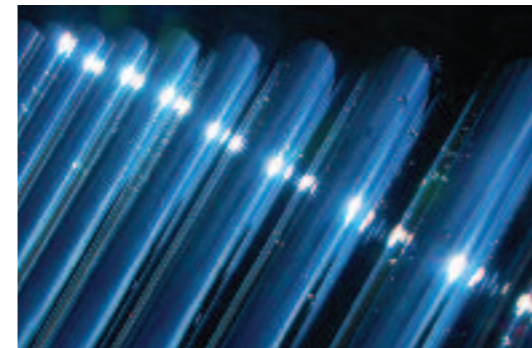
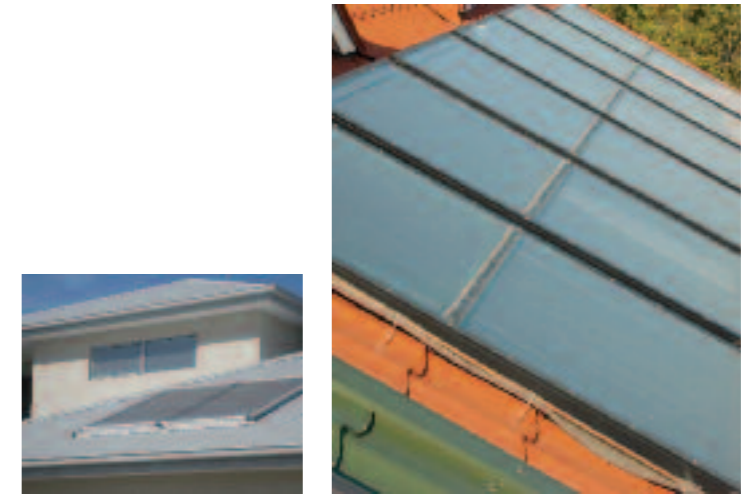
Our commitment to you

Our innovative products are designed with the environment in mind, with low emission technology and high efficiencies, as well as a host of other great features.

Rinnai is committed to ongoing innovation - delivering efficient, well designed and engineered lifestyle solutions offering a host of benefits including versatility, safety, control, water conservation and guaranteed reliability.

Backed with extensive warranties and after sales service teams, Rinnai is proud to be the No.1 choice for Continuous Flow Hot Water. In addition, our innovative range of Solar Hot Water Systems boast market leading efficiencies.

Through innovation, we will endeavour to continue offering superior ranges of appliances that provide a clear insight into what the future holds.



Rinnai | SOLAR WATER HEATING SOLUTIONS

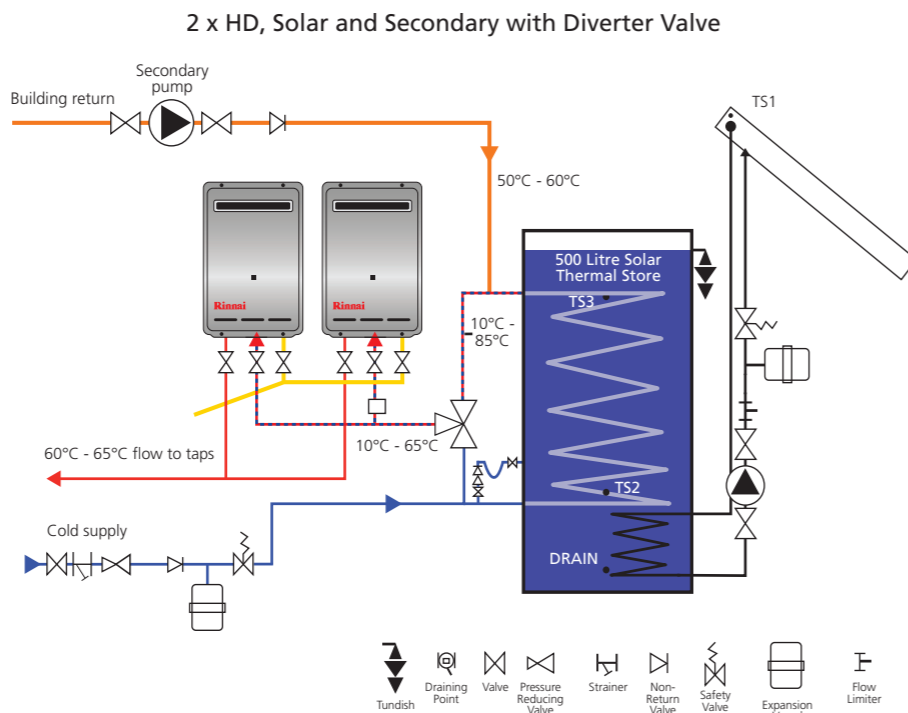
- Hot water system struggling to cope?
- Energy bills constantly rising?
- Worried about increasing carbon emissions damaging the planet?

Rinnai solar water heating solutions are designed to offer a perfect blend of eco-friendly technologies, guaranteed to provide a constant flow of hot water, no matter how many outlets are in use at the same time.

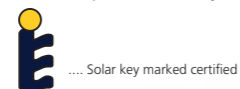
For example, 50% of household hot water demand and 10% of household gas energy demand can be delivered by one evacuated tube solar panel.

Rinnai offer individually designed tailored packages, equally suitable for commercial or domestic applications.

To find out more about turnkey solar water heating systems that won't cost the earth, without sacrificing creature comforts, ring Rinnai on 01928 531870



This information is intended as a guide only, it does not imply compliance with water or gas installation regulations. Components will vary depending on the actual installation. Check local regulations before installation.



Rinnai Solar Thermal Collectors – These are high performance, weatherproofed solar thermal collectors for water heating (not to be confused with solar power generation).

Rinnai offers both Flat Plate and Evacuated Tube collectors, each with specific benefits to suit your application. Either option will provide years of low maintenance, "free" energy to heat your water provided the units are correctly sized and installed.

ORIENTATION

Both flat plate and evacuated tube collectors work best when facing due south. However evacuated tube collectors will outperform flat plate collectors when a due south location is not an option, i.e. East/ west facing or both.

PERFORMANCE

The performance of a flat plate collector is close to that of an evacuated tube collector in the summer months when facing due south. Evacuated tube collectors have better overall results in both early and late season and they are not affected by adverse weather conditions and even produce impressive temperatures on cloudy days. The flat plate collectors are exceptionally sturdy and durable, perhaps more suited to vulnerable locations.

Evacuated tube collectors have multiple glass tubes which heat up by absorbing the sun's energy. The vacuum insulated tube retains most of this heat and the constant profile of the round tube means that the collector is always perpendicular to the sun's rays. The energy absorbed is approximately constant over the course of the day.

*SMEs

The Carbon Trust's Energy-Efficiency Loans are unsecured and interest free, with no arrangement fees and a straightforward application process. Loans can be repaid over a period of up to four years, and many of our borrowers have found that their energy savings more than cover their repayments.

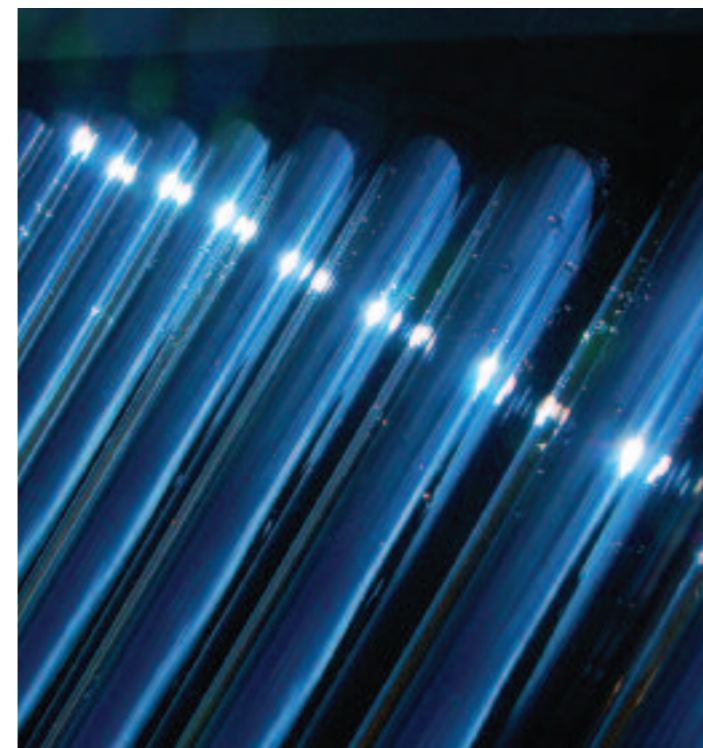
*Householder

Dept of Energy & Climate Change - Low Carbon Programme, overall maximum of £400 or 30% of the relevant eligible costs, whichever is the lower.

*Conditions apply



Please contact Rinnai for assistance with selecting the grant that will best suit your specific requirements.



Hot water systems in general are the largest users of energy in many organisations, so it's important to consider all the factors before selecting a hot water system.

Highly efficient, correctly sized hot water systems can directly lower your running costs.

Increased levels of greenhouse gases have been identified as one of the major contributors to the problem of global warming, so anything that can help reduce our carbon footprint, is beneficial to the environment.

When purchasing a new hot water system, many people simply put in what was there before, without considering the environmental impact of their decision. If you make an informed decision and think about the consequences to the environment, you have the opportunity to make a real difference.

The purchase and installation of Rinnai hot water systems and in particular a gas boosted Solar system, is a clear a step in the right direction.

Specifications

| | Evacuated tube collectors | Flat Plate Collectors |
|----------------------------------|---------------------------|-----------------------|
| Dimensions | | |
| Height (mm) | 1980 | 2039 |
| Width (mm) | 2460 | 1139 |
| Total area (m ²) | 4.87 | 2.32 |
| Weight (kg) | 96 | 44.4 |
| Number of heat pipes | 30 | - |
| Absorber area (m ²) | 2.42 | 2.14 |
| Absorption coefficient | >93% | 95% |
| Emission coefficient | <6% | 5% |
| Stagnation temperature (°C) | 192 | 209 |
| Maximum operating pressure (bar) | 10 | 6 |
| Tube material | Borosilicate glass | - |
| Hail resistance | >25mm hailstones | - |
| Outer tube diameter (mm) | 58 | - |
| Outer tube thickness (mm) | 1.5 | - |
| Fluid content (ltr) | - | 1.2 |
| Material coating | Selective absorber | Copper/Sunselect |

Swimming Pools

Swimming pools and jacuzzis are ideal applications for the use of Solar Thermal Heating because they are generally used most in the summer when the energy that can be obtained from the sun's radiation is at its maximum.

Rinnai can help you to design, size and install a solar heating system for your swimming pool or jacuzzi that could also be set up to heat your domestic hot water at the same time, saving more money on your ever increasing fuel bills.