

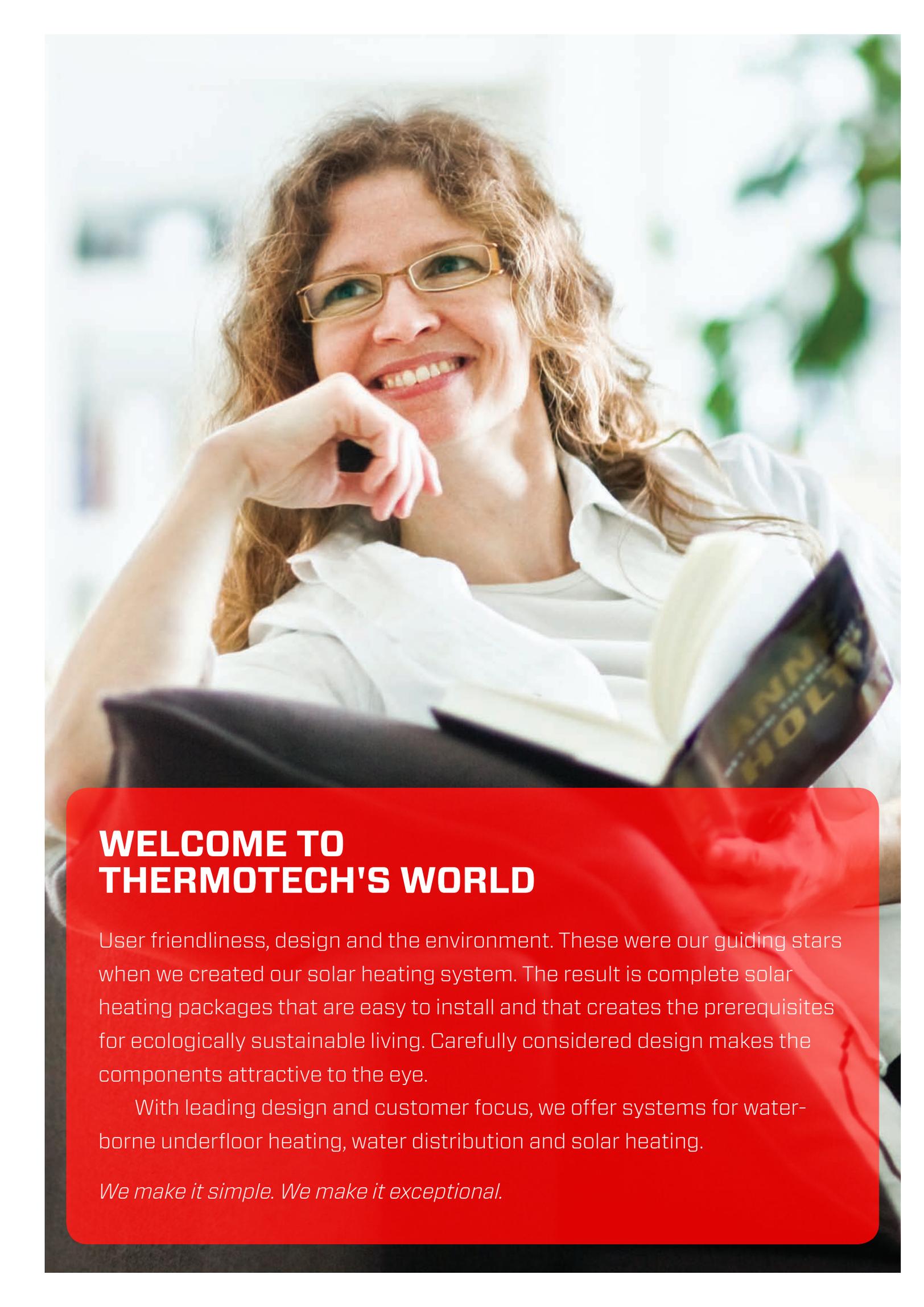
# THERMOTECH

Solar Heating System



*Discover our solar system*



A woman with long, wavy brown hair and glasses is smiling warmly. She is wearing a white button-down shirt and is sitting in a chair, reading a book. The book's cover is dark with gold lettering that reads "ANN HOLT". Her right hand is resting on her chin. The background is bright and out of focus, suggesting an indoor setting with natural light.

## WELCOME TO THERMOTECH'S WORLD

User friendliness, design and the environment. These were our guiding stars when we created our solar heating system. The result is complete solar heating packages that are easy to install and that creates the prerequisites for ecologically sustainable living. Carefully considered design makes the components attractive to the eye.

With leading design and customer focus, we offer systems for water-borne underfloor heating, water distribution and solar heating.

*We make it simple. We make it exceptional.*



The sunshine that falls on one percent of Sweden's land mass for one year corresponds to the entire country's energy consumption.

## SOLAR COLLECTOR

Solar collector with good value for the money and high performance

Thermotech's FP202 is a flat solar collector with a clean design and equipped with the latest technology for converting sunshine into heat. It's an economical and effective solar collector of high quality that supplies thermal energy for heating water and buildings during greater parts of the year.

A thin construction makes the solar collector relatively light and easy to install. It works on all roof types and can be installed either recessed or surface-mounted on pitched roofs, or on stands set at a 45° angle on flat roofs.

### INSTALLATION

The solar collector is delivered as a complete package with everything you need for attachment and connection. A well-designed and minimal assortment that meets all your needs makes it easy to understand which components you need.

Installation is simple and the aluminium mounting system provides a reliable and robust construction. It's also rust-proof.

The system can easily be complemented with more collectors for increased output. Complete packages for expansion include couplings and everything you need for the connections.



Thermotech's FP202 solar collector is certified in accordance with Solar Keymark and has a ten-year guarantee from the date of manufacture.



## STORAGE

The accumulator tank fills an important function in storing heat

The heart of a building's water-borne heating system is the accumulator tank. This is where the heat is stored for later distribution. Thermotech offers three different types of accumulator tank: Solar heaters for hot water distribution, energy tanks for hot water and heating distribution, and storage tanks for increased volume.

Just as with all the other products in our assortment, the tanks feature a clean design and are aesthetically pleasing for expanded installation alternatives. They're attractive and don't need to be hidden away. Integrated plumbing and stainless steel parts complete the design.

## REGULATION

Thirteen pre-programmed systems for user-friendliness

A Thermotech solar heating station is a complete unit with insulation and an integrated solar control unit to make installation as simple as possible. The solar heating station transfers heat from the solar collectors to a storage tank, hot water heater or to another location in the heating or tap water system.

The brain of the solar heating system is the solar control unit. It adjusts the flow in the system based on current needs by regulating the pump speed. Solar energy output is maximized.

The solar control unit can be connected to both existing and new solar heating systems and has an attractive design. Thirteen predefined programs make it easy to select the right program based on the heat source, pump or tank that is to be combined with the solar heating system.

## FEATURES

The solar control unit has three automatic operating modes: Maximum, eco and holiday. Maximum mode provides the desired comfort primarily with solar heating, secondarily with external heating sources and lastly with immersion heating. Eco mode provides the best ecological and economic operation in that solar heat is the sole source of heat. Holiday mode counteracts overheating when you are away and not consuming heat.

A booster function can be switched in with both the maximum and eco modes to ensure that there is hot water even when there is little sunshine.

The solar control unit is equipped with protection against legionella growth and automatically raises the temperature in the storage tank at regular intervals.





## SOLAR HEATING

Save energy and spare the environment with solar heating

The Sun is an infinite source of renewable energy. A resource that enables smarter energy usage for all structures that require heat and hot water during the summer half of the year.

The idea is as simple as it is ingenious: We capture the sunshine that reaches us and convert it into heat. The conversion doesn't consume any energy at all and the sunshine is free, giving you an environmentally smart and cost-effective solution.

### REDUCE MONTHLY COSTS FOR ELECTRICITY

Solar heating can be combined with all types of heating systems, from traditional boilers to integrated solutions with district heating, heat pumps and hot water heaters. Low-energy systems, such as waterborne underfloor heating, and solar heating make for an excellent combination.

A solar heating system is a long-term investment that reduces the need of purchasing heat and with minimal operating costs. Profitability increases as energy prices rise. You'll see the results on your electricity bill.

### A SUPERB SOLUTION - FROM NORTH TO SOUTH

Solar heating is a very good solution even in the northern countries. The amount of sunshine during one year is nearly as high in Sweden as in Central Europe due to the light summer nights. For four to six months of the year, solar heating can handle more than 90 percent of a normal household's total heating and hot water consumption. This means that over the course of a year, a solar heating system can cover 35 to 55 percent of all hot water needs and 15 to 25 percent of the consumption of heat.

## A SUNSHINE STORY

No one knows for sure when it came about. Most likely the Sun was formed during a fusion of matter 4.6 billion years ago. But one thing we know for sure: Without the Sun, the Earth would be a cold place. Thanks to the Sun there is life on Earth. Thanks to a fusion of matter billions of years ago, Thermotech can offer energy from the light of the Sun. The Sun is a safe, reliable source of energy. The energy will flow for five billion years into the future. It produces solar heat for a long-term sustainable solution. More and more people are discovering the advantages of solar heating and we are proud to be able to offer the heating alternative that has the least impact on the environment. We invite you to discover our very own solar system.

