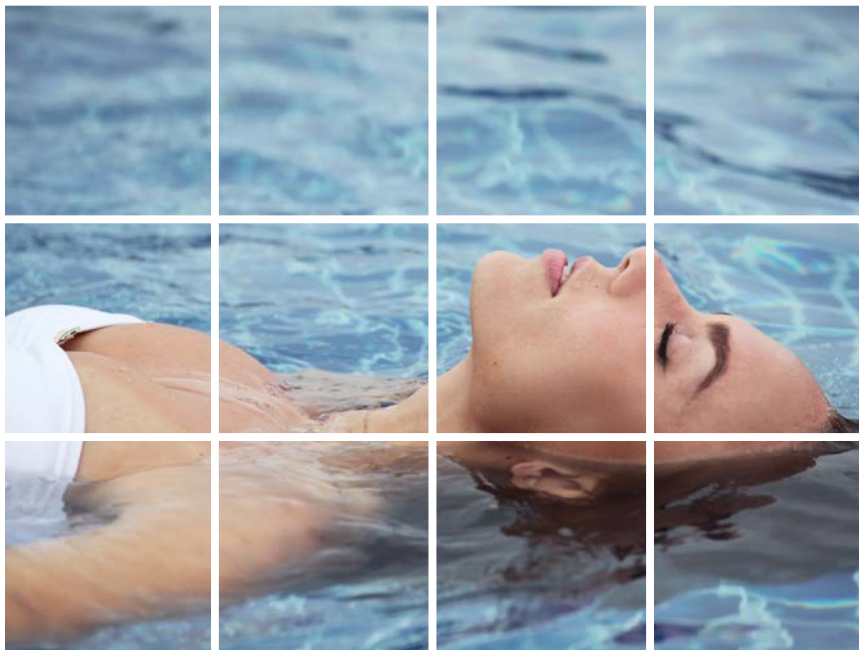




Bath in the Luxury of Natural Warmth





Natural Luxury

How do you fancy a refreshing dive into the water after a long day's work?

Enjoy your swimming pool together with your children and friends in the outdoors. Each summer. Each long summer.

All over Europe, lovers of the outdoor life have already realised these dreams through a SunDisc Solar System that provides astonishingly high efficiency by means of uniquely designed solar collectors that warms the water and dramatically extends the swimming season.

The number of solar collectors necessary depends on a number of factors; the outer surface of the swimming pool to be warmed up, your location and whether the swimming pool will be covered in the evening or not. With a system area equating to 30% of the overall swimming pool surface, you could double the length of your swimming season. A possibility that is truly unique. In recent years more and more people are choosing to have their vacation in their own country with swimming facilities proving to be an essential asset.

With your own SunDisc Solar System, you use genuine solar heat to warm up your outdoor swimming pool. The system offers an attractive and sustainable solution with long-lasting financial savings, but the best advantage is the improvement to your quality of life and life style.

SunDisc Solar Systems offers solutions for the family pool, for the visitors to the public swimming pool and keeps the loyal visitors of the camp site coming back year after year to your heated camping pool.



Natural Shape

The Contours of the Sun

The sun. For us: the supplier of light and a source of inspiration.

Each SunDisc Solar Systems' collector is provided with a spherically-shaped hood. The design inspired by the form of the sun. Just like the contours of the sun but also with a perfectly calculated inclination angle, so that each sunbeam is captured, independent of its inclination angle. Facing towards the sun is therefore not necessary.

The roof 'disc' is supplied with a special pipe on the top. Manufactured out of high quality recyclable plastic, it is protected against frost and storm. Furthermore, it is black, to maximise heat absorption and warmth retention.

An effective surface of 3.81 m² per collector, absorbs sufficient light to heat the water of your outdoor swimming pool, even in the Spring. You can bathe in a luxurious; naturally warm pool well before the normal start of the swimming season.

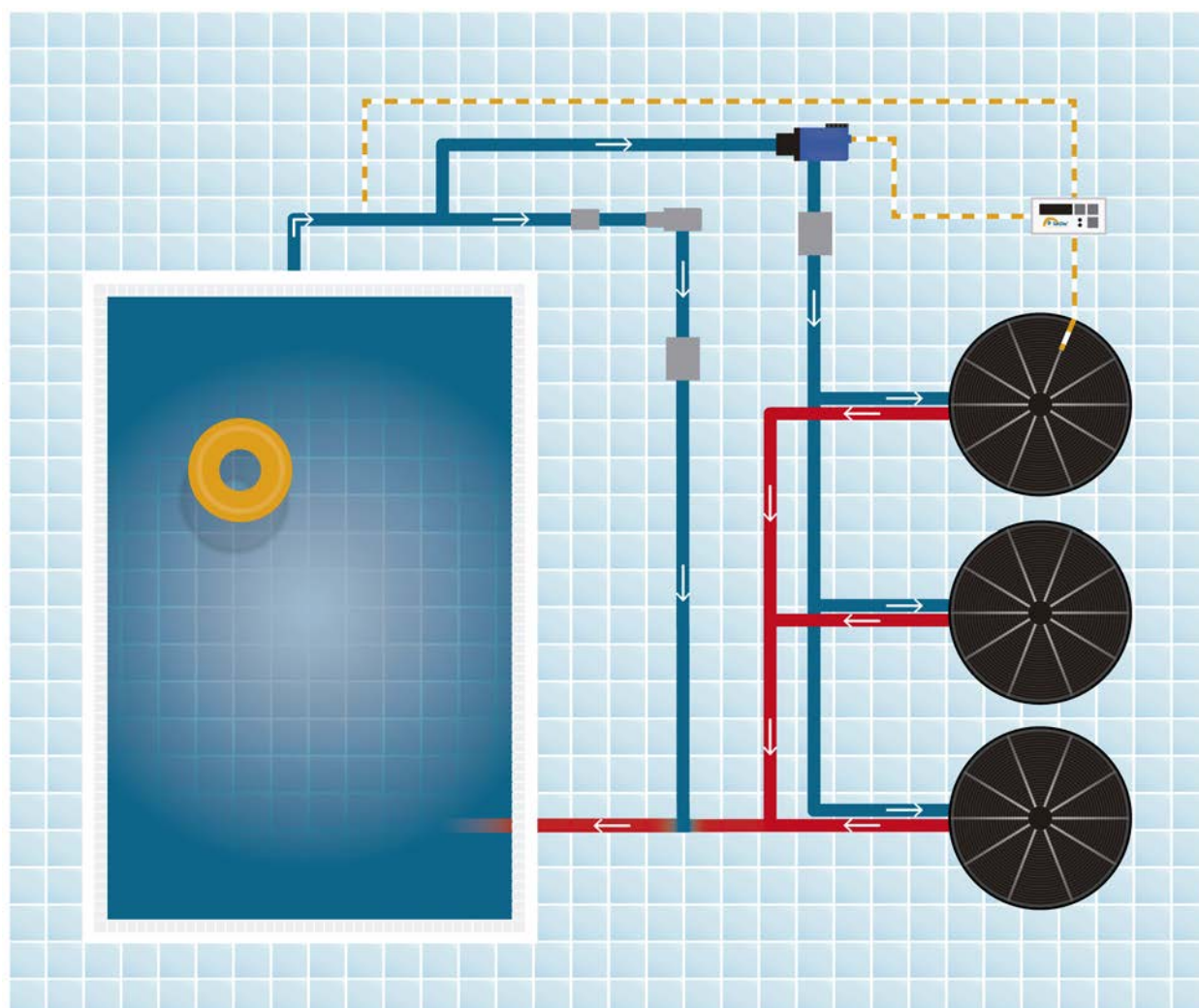
Circulation Pump



Controller



Solar Collector



Natural Heat

Warmth in Practice

How does the sunlight manage to heat your pool water to pleasant temperatures?

It is because of the exceptional design of your solar collectors. The light absorption occurs from early morning to late evening. Converting absorbed light directly into heat and then preserving the heat.

Firstly, due to the isolating effect of the double wall hood from which the rain water simply flows away keeping the cold rain water away from the warmed water inside the collectors.

An effective distribution system takes care of the rest.

The quick triple circulating water ensures that fast cooling is averted. Owing to this feature, the water temperature increases in the Spring and in the Autumn by an average of 3°C per day and throughout the entire swimming season, the pool is in fact an average of 5 to 7°C warmer compared to an unheated pool. The collectors ensure that the swimming pool water stays warm for a long time during the autumn. This extends your swimming season by an average of several months.

Using technology to harness nature's free resource allows us to fully relax after the strenuous combination of work and family; when obligations are taken care of and more spare time remains for you; or simply because you would like to truly enjoy life.

Swim
Warm



Live
Green

Enjoy
Life



Natural Simplicity

Pure Heat

The solar collectors from SunDisc Solar Systems are protected from frost and are resistant to UV-radiation and chemicals found in the water. A product that contributes to the reduction of global warming by using a sustainable non polluting form of energy.

Our concern for the environment continues with the selection of durable and recyclable materials. Contributing in our part to a cleaner environment for the future generations.

In the long term, in comparison with conventional heating systems that use gas, oil or electricity, you benefit from astonishingly high efficiency and will make dramatic savings. Chose solar heat to maintain warmth.

Intelligent Simplicity

The SunDisc solar collector is specially designed to heat up open-air swimming pools and water to replenish indoor pools. For private use as well as public swimming pools. Whether for profit or for non-profit. The great disc-shaped hood of the collector allows optimal sunlight absorption. It is then converted directly into heat. Heat that is preserved, due to the isolating effect of the hood and the even flow distribution of the piping system.

Warm water is quickly pumped to the swimming pool with the help of the control system, which works as long as there is a temperature difference between the pool water and the water in the collectors.

The collector, pump and control system work as a fully integrated package. This system is based on well-considered, easily adjustable technology with an amazingly high efficiency rate when compared to other solar systems. As a result the users of your outside pool can swim with amazing comfort during the entire, extended bathing season.



SunDisc Collector

Diameter: 2.30m
 Frost-resistant
 Weight empty: $\pm 53\text{kg}$
 Weight full: $\pm 80\text{kg}$
 Maximum output: 2840 W*
 Warranty period: 10 year

*According certification UNI EN 12975-2:2006



Slimline Controller

Developed for the private market.
 Compares continuously temperature basin and collector.
 Maximum basin temperature adjustable.
 Controller and temperature sensors calibrated at the factory at 0.1 °C.
 Direct digital reading at 0.1 °C accurate.
 Provided with a time switch for flushing the collectors to prevent possible bacterial growth.
 Can switch pumps up to 1.5 kW.



Smartline Controller

Developed for the private and business market.
 Characteristics are similar to those of the Slimline, with the following additional feature:
 Efficiency (pump on) indication on the panel.
 Equipped with potential free contact for switching off the collector pump during backwash filter installation.
 Expandable with data acquisition system.
 Calculates fully automatically the energy savings in m³ of gas or kWh.



Smartline Plus Controller

Characteristics are similar to those of the Smartline, with the following additional feature:
 By prioritization, in combination with electric motor valves, heating individual basins.



Remote Panel

Can be connected to all SunDisc controllers.
 Intended for reading the basin temperature remotely.
 Elegant housing.
 Can be positioned both indoors and outdoors.
 Large display (25 mm digits).
 Indication "pump on" on panel.

Natural Comfort

Your SunDisc Solar System comes with an easily adjustable control unit. Allowing you to set the desired highest temperature so that later on you benefit from your preferred swimming pool temperature.

Starting with the moment when you set the desired temperature, two temperature gauges continuously compare the temperature in the swimming pool with the one in the collectors. The smallest difference will turn on the system. The system will automatically turn off as soon as the set temperature is reached. An extra display allows you to read the pool water temperature from an separate location. This display also shows whether the system pump is in use.

Your SunDisc Solar System also stays remarkably clean as practically no dirt remains on the collectors due to their convex shape.

Consequently the system is very low maintenance. If you would like to clean it sometimes, then you can easily do so because of the free set-up of the collectors. So you do not need to be an expert to get real enjoyment from your outdoor swimming pool.

On our website www.sun-disc.nl you will find examples of installed systems giving you a clear idea of the implementation possibilities. Additionally, you will see further information about the technology.

For questions in respect of our products, you may use our contact information or alternatively obtain the information from the representatives listed on our website.

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