



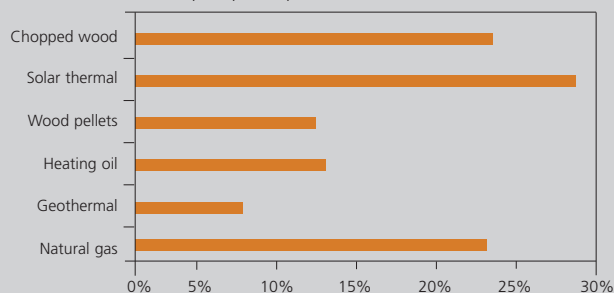
SWIMMING POOL ABSORBERS

NO MORE SHIVERING IN THE POOL, THANKS TO SOLAR THERMAL

Anyone who has a swimming pool in their garden will be familiar with the problem – it's a lovely sunny day, yet the water in the pool is still too cool for a swim to be truly relaxing. Swimming pool absorbers are an ideal solution. The water is heated up by the sun's energy as it passes through, then fed directly back into the pool. Energy demand is at its highest in the summer, when the sun is at its strongest, making the system highly efficient. The swimming pool will be optimally heated up from an operating temperature of as little as 30° C in the absorber.

- A particularly economical way of heating up swimming pool water
- Technically uncomplicated system
- Compact module dimensions
- Easy to install on all angles of roof (flat and sloping roof)
- Low purchase and running costs compared to standard pool heating
- Meets requirements for the "Blue Angel" environmental mark
- 5-year guarantee

Preferred forms of heating for German homeowners
(n=1000, multiple options possible)



The trend towards solar thermal heating

German homeowners all agree that solar thermal (27.9 %) is their preferred form of heating. Natural gas (23.1 %) and chopped wood (22.7 %) come second and third. According to the study conducted by the Bielefeld-based SOKO Institute, environmental aspects play a key role in this outcome. The majority of those interviewed moreover believe that heating costs will rise yet further in the future and therefore regard investing in a solar thermal system as a particularly profitable option.



A Product of

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Swimming pool absorbers consist of dark mats made from UV and weather-resistant plastic hoses. The dark colour of the tubes helps to attract the sun's heat (absorption) and prevents heat from being lost (emission). Instead, the thermal energy is transferred to the water that is circulating inside the plastic hoses. As the water is pumped directly from the pool to the absorber and straight back again when it has been heated up, no heat accumulator is needed.



Technical Data

Length (mm)	3150
Width (mm)	1240
Operating temperature (°C)	5-90
Permissible operating pressure at 20 °C (bar)	25
Permissible operating pressure at 80 °C (bar)	8
Absorber area (m ²)	3.5
Filling capacity (ltr.)	12
Recommended flow rate per absorber (ltr./h)	350
Weight (kg)	10

▪ Durable material

The high-quality material from which the absorber mats are made repels limescale and dirt. Sturdy tubes in addition assure a long operating life.

▪ Flexible to assemble and install

The absorbers are available in single and double banks. If required, several absorbers can moreover easily be interconnected. When expertly installed, the absorbers offer a relatively small area exposed to the wind, even on various angles of roof.

▪ Low temperature range

Unlike solar thermal collectors for water heating or heating backup, swimming pool absorbers normally operate in a relatively low temperature range of no more than 20 °C above the ambient temperature. However, this is entirely adequate for heating the pool.



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