THE NATURWÄRMESPEICHER
Heat your home the natural way with our attractive green heat source
HEATING WITH WATER AND ICE?
NATURALLY!

What may at first appear a conflict of ideas is in reality only an apparent contradiction. Water contains a large amount of stored energy that we can utilise. Heat can be extracted from water until it freezes into ice.

The Naturwärmespeicher can be a small spring, a pond or a lake, depending on the amount of energy required. The air and the sun warm it up. But even in extended periods of cold weather, the Naturwärmespeicher can still heat your home. The pond ices over and becomes heat storage by virtue of the energy stored in it. An important concept considering that fossil fuels harm the environment and green fuels are far too valuable to simply be consumed for heating.

Thanks to the cleverly designed fan, the heat store quickly recharges itself even in short warm spells. So you are always cozy and warm even in winter.

During the daytime your Naturwärmespeicher absorbs energy directly from the sun. Using only a little renewable electricity, that energy can easily be used to produce warm water.
The Naturwärmespeicher floats in an attractively designed water feature. Because of its weight, it always remains stable even if you step on it. The water stores the highest or lowest temperatures over the course of a day. That increases efficiency and makes the green energy economically viable.

Because of the powerful fan, a lot of energy can be extracted from the outside air at the warmest times of the day and directly used or stored. The special design of the fan and the generously dimensioned air ducts mean that it is virtually silent in operation so that you don’t need to worry about complaints from the neighbours.

The ice store has a capacity sufficient for several days. It is a modular design and consists of a large reservoir at the bottom and the so-called “Powerfroster”. It has sufficient storage capacity for a day and makes the Naturwärmespeicher more adaptable and responsive. Only short heating periods are required to recharge the store and defrost the ice again.

One thing is certain: heat pumps using the Naturwärmespeicher as a heat source deliver top performance in ecological and economic terms.

The Naturwärmespeicher and its environment
The Naturwärmespeicher is a lake, a pond, or a fountain depending on what you need. You design it so that it enhances your surroundings, whether as a natural-looking pond or a design feature.

Efficiency tops the lot
Natural heat is at the heart of green energy systems. The Naturwärmespeicher uses ambient heat so cleverly that only a very small amount of renewable electricity is needed to keep the system running. An especially efficient feature of the storage plant is temporary heat storage at source.

Because EFFICIENCY is decisive

THE NATURWÄRMESPEICHER

A DECORATIVE FEATURE FOR YOUR GARDEN.
COOLING ECONOMICALLY THE NATURAL WAY

In summer, the Naturwärmespeicher is kept cool by the night-time temperatures. Our specially developed super-silent fan runs at night to utilise the effect. So even on hot summer days the Naturwärmespeicher supplies cold water for cooling your house.

And if on the odd occasion the natural cooling process should not be sufficient, the heat pump provides additional cooling capacity to supplement the natural cool of the night.

COOLING NIGHT

6 pm–8 am

COOLING DAY

8 am–6 pm

CONVERTIBLE ACCORDING TO YOUR NEEDS

The Naturwärmespeicher provides for your independence from fossil fuels for heating. Furthermore, it offers an elegant eco-friendly air-conditioning solution. Combining both functions in a single device, the Naturwärmespeicher is a highly decorative feature adding that certain something to your premises.

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<thead>
<tr>
<th>MODEL</th>
<th>CAPACITY</th>
<th>DIMENSIONS</th>
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<tbody>
<tr>
<td></td>
<td>4 – 7 kW</td>
<td>Diameter 1.8 m</td>
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<tr>
<td></td>
<td>6 – 10 kW</td>
<td>Diameter 2.2 m</td>
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<td></td>
<td>8 – 16 kW</td>
<td>Diameter 2.6 m</td>
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<tr>
<td></td>
<td>16 – 32 kW</td>
<td>Diameter 3.8 m</td>
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<tr>
<td></td>
<td>16 – 32 kW</td>
<td>5.0 m x 2.5 m</td>
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<tr>
<td></td>
<td>32 – 64 kW</td>
<td>5.0 m x 5.0 m</td>
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<tr>
<td></td>
<td>32 – 64 kW</td>
<td>Diameter 6.0 m</td>
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<tr>
<td></td>
<td>64 – 128 kW</td>
<td>10.0 m x 5.0 m</td>
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<tr>
<td></td>
<td>128 – ... kW</td>
<td>10.0 m x ... m</td>
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<tr>
<td></td>
<td>320 – 640 kW</td>
<td>Diameter 20 m</td>
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Installation depth of the Naturwärmespeicher: approx. 2.0 m

A PLEASANT CHILL

cutting-edge

cosy warmth