AKVA SOLAR – Improving Your Solar Efficiency

The AKVA SOLAR accumulator range is designed to meet the increasingly tightening ecological energy efficiency requirements. The AKVA SOLAR enables utilising your accumulator to all heating, and increases your annual solar gain. The solar energy collected can be utilized as the only heating source or as a useful extra among other heat sources. The AKVA SOLAR model range can be connected to all heating systems – flexibility for you!

With the exception of the smallest model, the accumulators have three coils to which you can connect heat-transfer fluid from the solar collectors, in addition to the preheating and heating of household water. Water inside the accumulator is surrounded by unique, seamless, 100 mm polyurethane insulation that ensures water maintains its target temperature longer. The efficient guide tubes, optimal positioning of the coils and the two-chamber structure guarantee effective heat transfer.

Utilise free solar energy: Akvaterm’s AKVA SOLAR model range offers your heating the best solutions.

AKVA SOLAR
The sunny side of heating

Application examples, not to be used as a connection diagram as such.
AKVA SOLAR PLUS with solar collectors and an electric heater
AKVA SOLAR
The sunny side of heating

**COUPLINGS**
1. 1 1/4 " Accumulator coupling
2. 2 " Electric heater coupling
3. 1 " Drain coupling
4. 1 " Pressure relief / Air bleeder
5. 3/4 " Thermostat coupling
T. 10 mm inner diameter coupling (no through-connection) Sensor and measurement pocket

**COILS**
A. Ø22 Household water preheating, in
B. Ø22 Household water preheating, out
C. Ø22 Household water, in
D. Ø22 Household water, out
E. Ø18 Solar, in (PLUS)
F. Ø18 Solar, out (PLUS)
G. Ø18 Solar, in
H. Ø18 Solar, out

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DIAMETER mm</th>
<th>HEIGHT mm</th>
<th>COILS</th>
<th>RESISTOR COUPLING</th>
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</thead>
<tbody>
<tr>
<td>AKVA SOLAR 300 mini</td>
<td>650</td>
<td>2050</td>
<td>LK + AK</td>
<td>2</td>
</tr>
<tr>
<td>AKVA SOLAR 300</td>
<td>650</td>
<td>2050</td>
<td>2 x LK + AK</td>
<td>2</td>
</tr>
<tr>
<td>AKVA SOLAR 500</td>
<td>800</td>
<td>2050</td>
<td>2 x LK + AK</td>
<td>2</td>
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<tr>
<td>AKVA SOLAR 750</td>
<td>950</td>
<td>2050</td>
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<tr>
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<td>1050</td>
<td>2100</td>
<td>2 x LK + AK</td>
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<tr>
<td>AKVA SOLAR 1200</td>
<td>1150</td>
<td>2150</td>
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<tr>
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<td>1250</td>
<td>2150</td>
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<tr>
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<td>1400</td>
<td>2250</td>
<td>2 x LK + AK</td>
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<tr>
<td>AKVA SOLAR 2500</td>
<td>1500</td>
<td>2250</td>
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<td>AKVA SOLAR 3000</td>
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<td>2300</td>
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<tr>
<td>AKVA SOLAR 4000</td>
<td>1800</td>
<td>2450</td>
<td>2 x LK + AK</td>
<td>4</td>
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<tr>
<td>AKVA SOLAR 5000</td>
<td>2000</td>
<td>2500</td>
<td>2 x LK + AK</td>
<td>4</td>
</tr>
</tbody>
</table>

- Structural pressure 1.5; 3; 4 or 6 bar.
- LK = Household water or preheating coil LK 35, 9.4 m, 22 mm finned copper
- AK = Solar coil 12 m, 18 mm finned copper
- Thickness of the polyurethane insulation is 70 mm

- LK60 and larger coils are installed through hatch.
- AKVA SOLAR PLUS is equipped with: Extra solar coil 6 m (Ø18mm finned copper) and the SOLAR PLUS valve.

**Warm home**

Akvaterm is the leading European manufacturer of accumulator and cold water tanks. The accumulator tanks, cold water and special tanks developed by the company are the quality leaders in Northern Europe as well as internationally. Solutions for large- and small-scale projects, as well as new construction and renovations, can be found from Akvaterm’s extensive range of models. Akvaterm accumulator tanks are compatible with all established heating systems and they can generate heat for the heating system as well as hot domestic water simultaneously.

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We reserve the right to make changes