

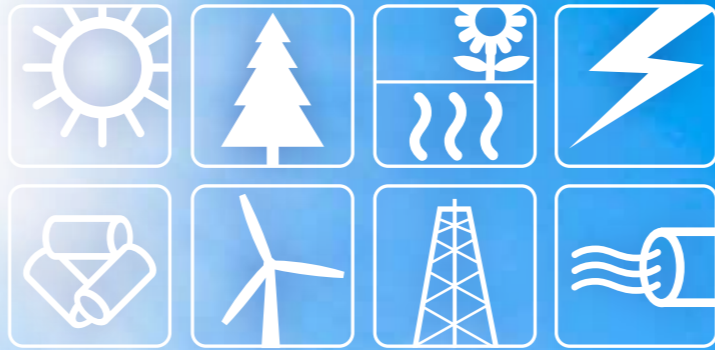
 **AKVATERM**



AKVA SOLAR

The sunny side of heating

AKVA SOLAR – Improving Your Solar Efficiency



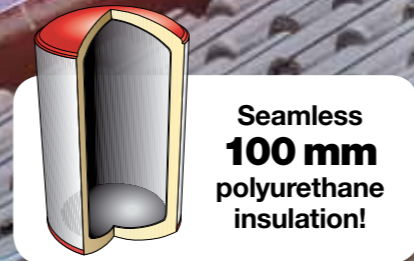
The AKVA SOLAR accumulator range is designed to meet the increasingly tightening ecological energy efficiency requirements. The AKVA SOLAR enables utilising your accumulator to all heating, and increases your annual solar gain. The solar energy collected can be utilized as the only heating source or 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

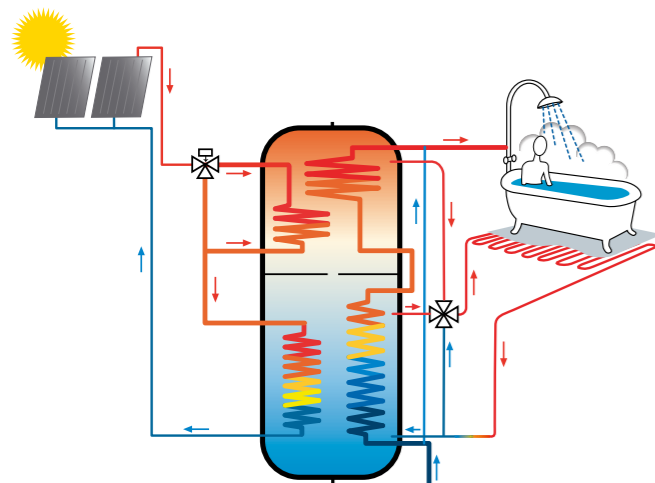
The sunny side of heating



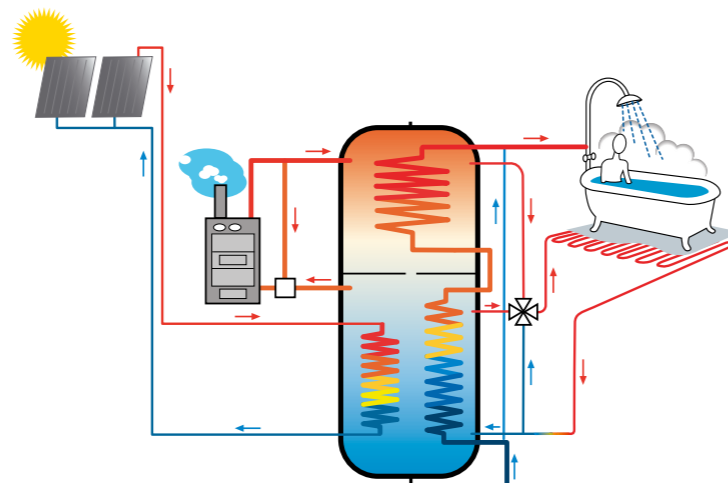
Seamless
100 mm
polyurethane
insulation!



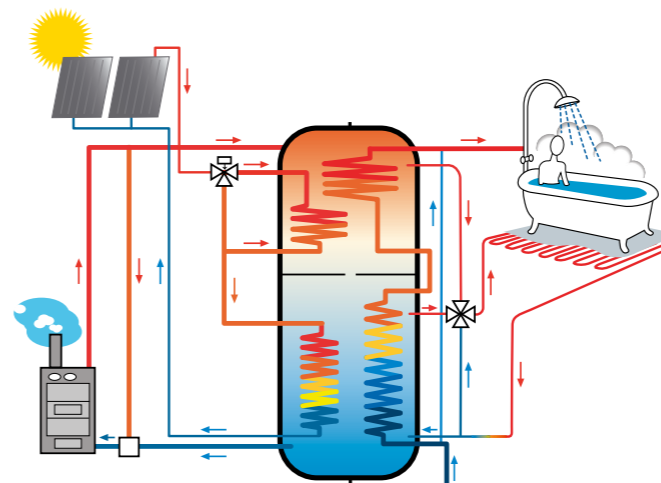
Application examples, not to be used as a connection diagram as such.



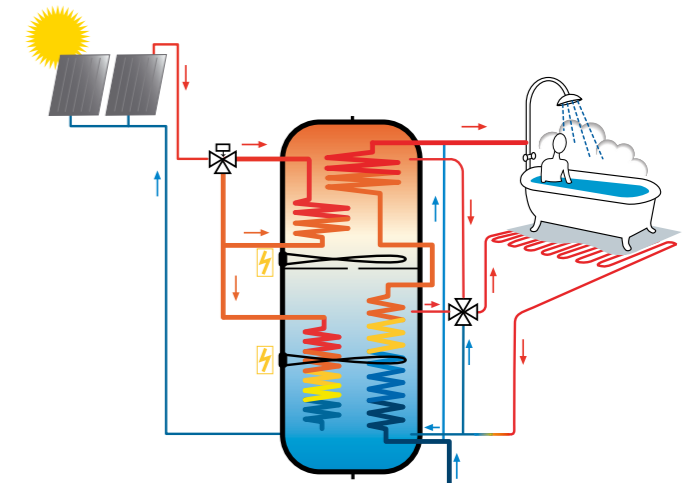
AKVA SOLAR PLUS with solar collectors



AKVA SOLAR with solar collectors and a fireplace



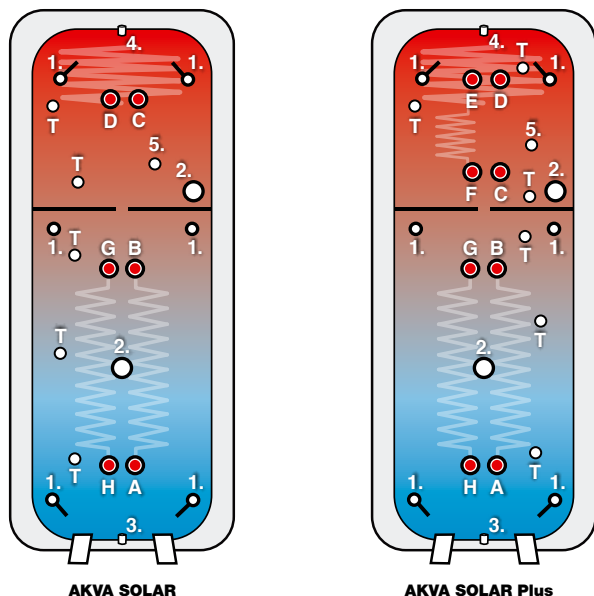
AKVA SOLAR PLUS with solar collectors and a wood-fired boiler



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

MODEL	DIAMETER mm	HEIGHT mm	COILS	RESISTOR COUPLING
AKVA SOLAR 300 mini *	650	2050	LK + AK	2
AKVA SOLAR 300*	650	2050	2 x LK + AK	2
AKVA SOLAR 500	800	2050	2 x LK + AK	2
AKVA SOLAR 750	950	2050	2 x LK + AK	2
AKVA SOLAR 1000	1050	2100	2 x LK + AK	2
AKVA SOLAR 1200	1150	2150	2 x LK + AK	2
AKVA SOLAR 1500	1250	2150	2 x LK + AK	2
AKVA SOLAR 2000	1400	2250	2 x LK + AK	3
AKVA SOLAR 2500	1500	2250	2 x LK + AK	3
AKVA SOLAR 3000	1600	2300	2 x LK + AK	3
AKVA SOLAR 4000	1800	2450	2 x LK + AK	4
AKVA SOLAR 5000	2000	2500	2 x LK + AK	4

- Structural pressure 1.5; 3; 4 or 6 bar.

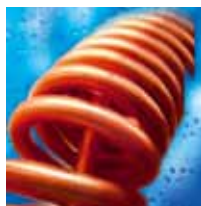
- LK = Household water or preheating coil LK 35, 9.4 m, 22 mm finned copper

- 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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